

**MINUTES**  
**OF THE 165<sup>TH</sup> MEETING**  
**OF THE UNIVERSITY GRANTS**  
**COMMISSION HELD ON THE**  
**10<sup>TH</sup> FEBURARY, 1975**

**U.G.C. NEW DELHI**

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Minutes of the 165th meeting of the University Grants Commission held on 10th February, 1975.

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The following were present:

Professor Satish Chandra	- Vice-Chairman (in the Chair)
Shri K.N. Channa	- Member
Professor Rais Ahmed	- Member
Professor M. Santappa	- Member
Professor R.S. Sharma	- Member
Dr. Anarjit Singh	- Member
Professor B.M. Udgaonkar	- Member
Shri K.T. Chandy	- Member
Shri E.K. Chhabra	- Secretary

SECRETARIAT

Dr. D. Shankar Narayan	- Addl. Secretary
Dr. J.N. Kaul	- Joint Secretary
Dr. G.A. Dasgupta	- Joint Secretary
Shri S. Visvanath	- Deputy Secretary
Dr. S.C. Goel	- Deputy Secretary
Dr. G.S. Mansukhani	- Deputy Secretary
Dr. M.L. Mehta	- Deputy Secretary
Dr. P.N. Hajela	- Deputy Secretary
Shri R.P. Bhattacharjee	- Finance Officer

Dr. Ajit Mazoomdar, Professor S. Gopal and Professor J.B. Chitanbar had expressed their inability to attend the meeting.

Item No. 1 : To receive the minutes of the meeting of the Commission held on 9th & 10th December, 1974.

The minutes of the 164th meeting of the University Grants Commission held on 9th and 10th December, 1974 were confirmed subject to the following:

"Item No.5:

Observation No.1 may be read as follows:

"The Commission agreed that participation of students in the deliberative organs of the university was important for proper functioning of the universities. While generally endorsing the recommendations of the Gajendragadkar Committee in this regard, the Commission felt that where a "Students' Council" is not provided for provision should be made for

representation of students on the Academic Council. Care has, however, to be taken that areas relating to examinations, appointment of academic staff, etc., do not come within the purview of students' participation.

Democratisation of higher education, it was felt, was not merely participation of the students in the working of the Universities, but, more important, it was opening up of opportunities of access to higher education to students from under-privileged backgrounds. These opportunities will have to be widened, keeping in view the available facilities and resources."

"Item No.17:

Second para of the resolution may be read as follows:

"Refresher Courses/Short-term Institutes may be organised by the universities and should be directed towards improvement of curricula, teaching methods and examination reforms proposed to be introduced by the universities. Specific proposals for this purpose may be invited from the universities having affiliated colleges."

Arising out of the minutes, the Commission desired that a brochure on the work plan of Faculty Improvement Programme, as indicated in Appendix IV of the minutes, may be revised in the light of changes suggested at the meeting and brought out after it is suitably edited.

It was also suggested that the sub-committee appointed by the Science Research Council may make specific recommendations with regard to the teacher fellowships required for enabling teachers from universities and colleges to work in institutions like IITs, National Laboratories, TIFR etc."

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- Item No. 2 : (a) To approve the action taken on certain matters.  
(b) To receive the items of information.  
(c) To receive the statement of proposals which could not be accepted by the Commission.

(a) The Commission approved the action taken on items listed in Appendix I\*.

(b) --

(c) This was noted.

Arising out of Item No. 2a(29), the Commission agreed that a committee may be appointed to co-ordinate the implementation of various cultural exchange programmes and also bilateral exchange programme under this scheme.

The Commission noted the increase in the number of cultural exchange programmes which the UCC has to implement and agreed that a proposal to strengthen the secretariat for this purpose may be brought up before the Commission.

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Item No. 3 : To approve the statement of grants released after the last meeting of the Commission held on 9th & 10th December, 1974.

The Commission approved the grants released after the meeting of the Commission held on 9th & 10th December, 1974 (Appendix II)\*.

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Item No. 4 : To receive a statement of expenditure incurred by the University Grants Commission during 1974-75 upto 31.12.1974.

This was noted.

In this connection it was desired that a six-monthly statement be placed before the Commission with regard to the availability and utilisation of foreign exchange.

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Item No. 5 : To receive a statement indicating the progress of issue of Utilisation Certificates during the period ending 15th January, 1975.

This was noted.

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\* Not enclosed.

Item No. 6 : To consider the report of the Committee appointed to review the work of the cell on the Sociology of the North Eastern Hill Area in the Department of Sociology, Delhi University.

The Commission considered the report of the Committee appointed to review the work of the cell on the Sociology of the North-Eastern Hill Area in the Department of Sociology, Delhi University, and desired that while assistance to the University may be continued on the present level for 1975-76, the proposals may be examined as part of the development proposals of the Centre of Advanced Study in Sociology.

The Commission further desired that a committee may be appointed to suggest measures for strengthening contacts with other border hill areas and special steps that may be taken to create opportunities for students of these regions to take up advanced studies in appropriate institutions in the country.

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Item No. 7 : To receive the report of the Working Group constituted by the Ministry of Health and Family Planning to study in depth the problems relating to the College of Medical Sciences of Delhi University.

This was noted.

The Commission desired that the Ministry of Health and Family Planning may be requested to take an early decision with regard to the future of the Medical College of Delhi University, and if this College is to be supported by the Delhi University as a University-maintained institution it should have an autonomous status and the funds required for the Medical College and the hospital attached to it may be provided by the Government of India outside the normal V Plan allocation of the UGC.

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Item No. 8 : To receive the recommendations of the Expert Committee appointed by the University Grants Commission to work out the broad outlines and structure of courses relevant for the rural environment in the degree courses.

The Commission generally accepted the recommendations of the committee and desired that steps may be taken to implement its recommendations in a phased manner. The Commission further desired that an 'implementation committee' may be set up to identify universities and colleges for the implementation of the programme. The universities may also be requested to take necessary steps in this direction. It would be desirable to introduce such courses in consultation with the employing agencies or related user departments in the region and to co-ordinate them with vocational courses to be introduced under 10 + 2 + 3 pattern.

The Commission further desired that a Group may be constituted within the Commission to consider the progress of implementation of 10 + 2 + 3 or 10 + 2 + 2 + 1 pattern. This Group may also establish liaison with the State Governments and the Ministry of Education, Government of India. The Group will also be requested to suggest guidelines for the colleges which may be recognised for having 3-Years Honours course or to provide for one year 'bridge' courses so as to maintain adequate standards. This Group may also look into the problems of the Central Universities (Aligarh Muslim University, Banaras Hindu University and Visva-Bharati) for introduction of 10 + 2 + 3 pattern.

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Item No. 9 : To consider the recommendations made by the Sub-Committee on COHSIP about selection of colleges for participation in the programme and the guidelines for the implementation of the programme recommended at the conference of Principals of Colleges.

The Commission generally accepted the recommendations of the Conference of Principals of Colleges selected for participation in the College Humanities and Social Sciences Improvement Programme, and noted the colleges recommended by the Selection Committee for participation in the Programme on the basis of approved criteria.

It was agreed that regional committee may be constituted to provide guidelines and consultation to these colleges to implement various activities under the COSIP and COHSIP Programmes.

The Commission further desired that a study may be taken up with regard to the availability and utilisation of various audio-visual aids required for improvement of teaching in the colleges and universities.

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Item No. 10: To consider the recommendations of the four workshops held on a zonal basis to work out details of action programmes on urgent academic issues viz. (a) Autonomous Colleges, (b) Examination Reforms, (c) Development of postgraduate education in colleges for implementation during the 5th Plan.

The Commission noted that the recommendations made at the four zonal workshops were generally in line with the thinking of the Commission and desired that these may be circulated to the universities for discussion and guidance. It was further agreed that such of the recommendations on which the specific views or decision of the Commission were required, would be brought up before the Commission at a later meeting.

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Item No. 11: To consider the question of bringing out a brochure on the recommendations of the workshops organised by the University Grants Commission on Examination Reform.

The Commission, while generally approving the brochure on examination reform, desired that the same may be printed and circulated to the universities after incorporating the suggestions made at the meeting.

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Item No. 12: To consider further the proposal of the Government of India for making National Service for a specified period as a pre-condition for the award of a degree.

The Commission desired that a committee may be appointed to consider the suggestion now received from the Government of India and the Committee's report be placed before the Commission within three months.

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Item No.13: To consider a proposal of the Government of Bihar for declaring Mithila University, Darbhanga, as an institution fit to receive grants from the Central Government, the Commission or any other organisation receiving any funds from the Central Government under Section 12(A) of the UGC Act.

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The Commission desired that a Committee may be appointed to review the information received from the Government of Bihar in relation to the rules prescribed under Section 12A of the UGC Act.

Item No.14: To consider the question of providing assistance to Institutions deemed to be universities under Section 3 of the UGC Act for the post of Development Officers during the Fifth Plan.

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The Commission while agreeing that the Institutions deemed to be universities may not be debarred from obtaining assistance for creation of a post of Development Officer during the V Plan, felt that each case may be examined on merit.

Item No.15: To consider the proposal of the Gorakhpur University for the construction of 300 boys hostel at an estimated cost of Rs.28 lakhs during the Fifth Plan period.

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The Commission accepted the proposal of the Gorakhpur University for the construction of a 300 boys hostel so as to enable it to negotiate with the HUDCO to obtain a loan which would be treated as a 'matching' share on the condition that the expenditure involved (UGC grant) would be the first charge on the V Plan allocation of the university and within the overall limit prescribed for utilisation of funds for construction of buildings.

In this connection, the Vice-Chairman mentioned that a proposal has been received from the Banaras Hindu University for permission to undertake construction of a hostel for the Teachers Training College, estimated to cost Rs.2,23,717/- which had earlier been accepted in the IV Plan. The Commission agreed that the University may be permitted to go ahead with the construction of this hostel on the usual conditions.



Item No.16: To consider the proposal of the Tata Institute of Social Sciences, Bombay, for the construction of a Teachers Hostel.

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The Commission accepted the proposal of the Tata Institute of Social Sciences, Bombay, for the construction of a Teachers' hostel on the usual sharing basis i.e., 50:50 on the condition that the expenditures involved would be the first charge on the V Plan allocation of the Institute and within the overall limit prescribed for utilisation of funds for construction of buildings.

Item No.17: To note the date and place for the next meeting of the Commission.

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It was noted that the next meeting of the Commission will be held on 10th March 1975.

Item No.18: To consider the recommendations made by the Expert Committee appointed by the Commission to evaluate the work of the Centre of Exploration Geophysics, Osmania University.

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The Commission accepted the recommendations of the Committee set up for evaluating the work of the Centre for Exploration Geophysics, Osmania University, and agreed to provide a non-recurring grant of Rs.10,000 in addition to the spill-over of IV Plan and a recurring grant of Rs. five lakhs per annum up to the end of the V Plan period, on the condition that the recurring expenditure would be taken over as 'committed' expenditure by the University and the Government of Andhra Pradesh w.e.f. 1.4.1979 when the Commission's assistance would cease.

Item No.19: To consider the recommendations made by the Standing Committee for the College Science Improvement Programme.

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The Commission accepted the recommendations as given in Appendix III.

Item No.20: To consider further the report of the Visiting Committee appointed to review the progress and requirement of funds for the Water Resources Development Training Centre, Roorkee University.

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Consideration of this item was postponed.

Item No.21: To consider the proposal of Delhi University for permission to start the construction of extension to the library building for the Department of Business Industrial Management.

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The Commission agreed that the Delhi University may be permitted to undertake the construction of extension to the Library building for the Department of Business and Industrial Management which had been agreed to earlier.

Item No.22: To consider the recommendation made by the Law Panel for equating LL.M. with the M.Phil. course for purposes of award of scholarships.

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Consideration of this item was postponed.

Item No.23: To receive the minutes of the first meeting of the Editorial Committee of the University Grants Commission "Journal of Higher Education" held on 6th December 1974.

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This was noted.

Item No.24: To consider the report of the Expert Committee appointed by the University Grants Commission to examine the proposals of the Mysore University for development of Postgraduate Courses at the University Postgraduate Centre at Shimoga, during the Fifth Five Year Plan period.

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Consideration of this item was postponed.

Item No.25: To consider the recommendations of the Advisory Committee on organisation of Summer Institutes in English Language Teaching during 1975.

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This was noted.

The Commission was of the view that the norms already accepted by it for organisation of such institutes may be continued to be followed.

Item No.26: To consider the question of providing assistance for development programmes to Teachers Training Colleges during the Fifth Plan period.

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Consideration of this item was postponed.

Item No.27: To consider the proposal of Delhi University regarding the construction of four buildings for the School of Correspondence courses and Continuing Education at an estimated cost of about Rs.35 lakhs.

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Consideration of this item was postponed.

Item No.28: To consider the recommendations made by the Panel on History at its meeting held on 15th January 1975.

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The Commission accepted the recommendations of the Panel on History regarding advanced and short-term research proposals as per Appendix IV.

The Commission accepted the Panel recommendation that the University Grants Commission will provide academic staff for the purpose of excavation and/or for publication of the report whereas the cost of the excavation work will be met by the Archaeological Survey of India. The Commission desired that the proposal of Prof. B.B. Lal may be further examined in the light of the above and authorised the Chairman to take action in the matter.

Item No.29: To consider the recommendations made by the Panel on Philosophy at its meeting held on 16th & 17th October 1974.

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Consideration of this item was postponed.

Item No.30: To consider the Report of the Committee appointed by the Commission to advise on the Programme for celebrating 400th Anniversary of Ram Charit Manasa in the Universities.

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The Commission agreed that the amount available out of investment of Rs.3 lakhs for programmes in connection with the 400th Anniversary of Ram Charit Manasa may be utilised as follows:

1. The annual amount of Rs.30,000 may be utilised in equal proportion on (a) organisation of visiting lectures by eminent scholars/specialists and (b) organisation of symposium at selected University Centres.
2. The first symposium may be organised at the Delhi University. A Standing Committee may be constituted for selecting the subject, the scholars and the Centres.
3. Lectures of high academic value may be published.
4. A book, highlighting features on Tulsidas may be brought out. A sum of Rs.10,000 may be earmarked by the Commission for the purpose.

The Commission also accepted the recommendation made by the Committee with regard to research project in Hindi as per Appendix V.

Item No.31: To consider the guidelines for the development of Correspondence courses in the Fifth Plan.

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Consideration of this item was postponed.

Item No.32: To consider the recommendations of the Panel of Scientists and the Science Research Council regarding research projects to be supported during V Plan period.

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The Commission accepted the recommendations of the Panel of Scientists and the Science Research Council and agreed to provide necessary assistance for the implementation of the research projects as given in Appendix VI. The Commission further agreed that where it was suggested that the proposals may be examined with the help of committees, necessary action may be taken for having the proposals evaluated accordingly.

Item No.33: To consider certain establishment matters of University Grants Commission.

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The Commission agreed that additional house building advance of Rs.8,175/- at 75 times of his pay may be sanctioned to Shri S.P. Bhatia, as a special case, subject to completion of necessary formalities by him as required under the rules. The Commission also agreed that he may be granted extension of time limit upto 3rd April 1975 for completion of his house.

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R.K. Chhabra  
Secretary

Satish Chandra  
Vice-Chairman

Appendix III to the minutes of  
the U.G.C. meeting held on 10th  
February, 1975 (Item No. 18)

The recommendations made by the Standing Committee for the College Science Improvement Programme and accepted by the U.G.C.

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- i) The U.L.P. Departments and selected colleges which have completed the first phase of their activities may be encouraged and assisted financially over the next two years to take up suitable follow-up activities. Proposals for this purpose may be invited from the concerned university departments and colleges, while inviting proposals for follow-up activities UIP's emphasis should be given for development of materials for production on a large scale and to introduce new curricula and courses of study, evaluation techniques and examination reforms. In case of colleges follow-up proposals should give definite, indication and concrete plan for achieving autonomous status, inter-departmental programmes.
- ii) The curriculum materials produced by UIP's and colleges may be brought together with the help of designated UIP's subject departments so that such materials should be produced on a large scale to be made available to the entire university system.
- iii) Regional conferences and workshops may be organised to bring together groups of colleges implementing COSIP for purposes of exchange of ideas, improvement of individual programmes and to make concerted efforts towards attaining autonomous status. A beginning may be made by organising such a Conference in the Southern Region either at Hyderabad or at Madurai.
- iv) A comprehensive publication may be brought out giving therein subjectwise details of the various activities undertaken by the U.L.P.s and colleges under COSIP which have contributed to improve science instruction.

- v) The list of items fabricated, the related manuals and list of experiments that could be undertaken, availability of such equipment for purchase by other institutions, should also be consolidated in the form of a booklet for use by all institutions.
- vi) The U.L.Ps may be used as an effective mechanism for developing college facilities under the general programme of assistance to colleges, particularly in respect of smaller colleges and colleges in the backward areas.
- vii) The following subject departments in the universities mentioned against each may be requested to formulate suitable proposals for undertaking U.L.Ps from 1975-76. These proposals could be examined and action taken to these projects initiated from the academic year 1975-76:-

A	PHYSICS	(i)	University of Bangalore
		(ii)	" Bombay
		(iii)	" Gauhati
		(iv)	" Karnataka
		(v)	" Kurukshetra
		(vi)	" Madurai
		(vii)	" Meerut
		(viii)	" Ranchi
		(ix)	" Osmania
		(x)	" Calicut
B	CHEMISTRY	(i)	" Bangalore
		(ii)	" Burdwan
		(iii)	" Gauhati
		(iv)	" Karnataka
		(v)	" Saugar
		(vi)	" Gujarat
C	BIOLOGICAL SCIENCES	(i)	" Gorakhpur
		(ii)	" Mysore
		(iii)	" Sri Venkateswara
		(iv)	" Marathwada
D	MATHEMATICS	(i)	" Jodhpur
		(ii)	" Gorakhpur
		(iii)	" Saugar
		(iv)	" I.I.T., Kanpur jointly with Kanpur University.

A suitable University Leadership Programme in Geology is suggested to be worked out on an inter-university basis in consultation with the Panel on Earth Sciences.

(viii) As regards the selection of additional colleges to participate in the COSIP from 1975-76 about 75 colleges may be identified in the first instance out of which at least 50 colleges could be approved for taking up the programme. Only those colleges which have an enrolment of at least 300 science students in three-year B.Sc. course and 200 science students in two-year B.Sc. course could be considered for taking up the programme.



Appendix IV to the minutes of  
the U.G.C. meeting held on 10th  
February, 1975 (Item No. 28)

I. Advanced Research/Projects Recommended by the History Panel

S.No.	Name	Topic	Amount recommended
1.	Professor G.R.Sharma, Professor and Head of Department Ancient History & Culture and Archaeology, Allahabad University.	Horizontal Excavations at Kausambi.	Rs. 20,000/- for publication of work already done.
2.	-do-	Investigations into the archaeology of the Vindhyas and the stone age in the adjoining region of the Ganga Valley and the problems of the Seasonal Migrations.	Rs. 10,000/- for publication of work already done.
3.	Dr. P.S. Gupta, Professor, Delhi University.	Studies in British Imperialism East of Suez 1918-1947.	Rs. 17,100/-
4.	Dr. N. Radhakrishna Sarma, Reader, Osmania University.	Salvage Archaeology: Area getting submerged under Srisaïlam Hydro- electric Project.	Rs. 30,000/- for photo- graphy, acquiring of surface finds, survey and documentation.
5.	Shri Amalendu Dc, Jadavpur University.	A.K.Fazlul Huq and his times (1873-1947)	Rs. 6,000/-
6.	Shri V.N. Misra, Reader, Deccan College, Poona.	Investigations into the pre-history of rock-shelters at Bhimbatka Central India.	Rs. 20,000/-
7.	Dr. S. Sattu, Professor & Head Department of History and Archaeology, Karnatak University.	Classical Kannada Literature as a source of history (9th to 16th century) - Phase I.	Rs. 10,000/- for producing the first volume.

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II. Short Term Research Projects Recommended by History Panel.

S.No.	Name	Topic	Recommendations and support recommended
1.	2.	3.	4.
1.	Dr. Kanai Lal Hazra Lecturer Calcutta University	Royal Patronage to Buddhism from the sixth century B.C. to the Twelfth Century A.D.	Rs.2,000/-
2.	Shri Laxmi Shankar Nigam, Lecturer D.B.D.K. College Balodabazar (Ravi Shankar Univ.)	Historical Geography of Sourther Kosal	Rs.2,500/-
3.	Sh. M.L.K. Murty Lecturer Deccan College Poona.	Explorations and excavations in the South eastern and Western Andhra Pradesh.	Rs.5,000/- for exploration only.
4.	Sh. P.C. Parikh Professor M.V. Mahila College Rajkot (Saurashtra Univ.)	A historical survey of the sculptures of Saurashtra (from 323 B.C. to 1300 A.D.)	Rs.2,000/-
5.	Shri H.C. Varma Lecturer Delhi University Delhi.	The role of routes in the North-West Frontier of Medieval India.	Rs.2,500/-
6.	Dr. P.L. Maity Lecturer Tamralipta Mahavidyalaya, P.O. Tamruk (Distt. Midnapore).	Studies in the Social History of Medieval Bengal (1575-1765)	Rs.3,000/-
7.	Miss Roma Mitra Sr. Lecturer Miranda House College Delhi.	History of the Socialist Movement in India 1952-1974.	Rs.3,000/-
8.	Mrs. P.R. Rao Lecturer Stella Maris College Madras.	'The Evolution and development of Bombay ( A social, Economic, Educational and Cultural Study) 1818-1840 (for Ph.D.)	Rs.2,000/-
9.	Shri P.V. Kate Sr. Lecturer, Nutan Mahavidyalaya Sailu (Marathwada Univ.)	Impact of Nizam's Regime on Marathwada (for Ph.D.)	Rs.1,000/-

1.	2.	3.	4.
10.	Sh. S.N. Tiwari Lecturer B.V. College of Arts and Science Banasthali Vidyapeeth (Rajasthan University)	The Role of Business community in Rajasthan - 1850 to 1947 (for Ph.D.)	Rs.2,000/-
11.	Dr. M.J. Thanki Tutor, D.K.V. Arts & Science College, Jamnagar, (Saurashtra University)	History of Jadejas and Gohils of Old Saurashtra and other relations with each other.	Rs.2,000/-
<u>Supplementary (History):</u>			
1.	Sh. Mohammed Yahya Cotton College, Gauhati.	Sufism in Eastern India. (for Ph.D.)	Rs.5,000/-
<u>Music:</u>			
1.	Shri Ravindra Roy B.I.T.S., Pilani.	Orch' stration in Indian Music (for Ph.D.)	Rs.2,000/-
<u>Fine Arts:</u>			
1.	Sh. O.P. Agarwala Lecturer Dayanand College (Rajasthan University)	Development of Landscape Arts in Indian Painting (for Ph.D.)	Rs.2,500/-

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Appendix V to the minutes of the  
U.G.C. meeting held on 10th  
February, 1975 (Item No. 20)

Project for financial support by the  
Commission for research in Hindi.

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<u>University</u>	<u>Project</u>	<u>Financial provision</u>
1. Andhra	A comparative study of Ramcharitmanasa and Telugu Ramayanas.	A Senior Fellowship along-with a contingent grant of Rs.2000/- per annum for a period upto three years plus an additional grant for the project amounting to Rs.5,000/- for two years.
2. Banaras	Human Values in the works of Tulsidas.	A senior fellowship along-with a contingent grant of Rs.2,000/- per annum for a period upto two years plus an additional grant for the project amounting to Rs.5,000/- for two years.
3. Gujarat Vidyapith	Influence of Tulsidas on Gandhian Thought	-do-
4. Jamia Millia Islamia	Urdu Translation of Ram Charitmanasa and the works of Tulsidas - a critical study.	-do-
5. Poona	Marathi Translations of Ram Charitmanasa and other works of Tulsidas - a critical study.	-do-

Appendix VI to the minutes of  
the U.G.C. meeting held on 10th  
February, 1975 (Item No.32)

Research proposals accepted by the Commission.

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S.No.	Principal Investigator	Title	Grants recommended
1.	2.	3.	4.
<b>PHYSICS</b>			
1.	Dr. M.P. Verma Head of the Deptt. Agra College, Agra (Agra University).	Dielectric Behaviour of Ionic, Covalent and ferroelectric crystals.	S.R.F. - 1 Rs 600/-p.m. Desk Calculator - 1 Rs.2000/- Other Expenditure Rs.5000/-p.a. Total:Rs.44,600/- for 3 years.
2.	Dr. A. Alluraiah Asstt. Professor Regional Engineering College, Warangal (Andhra University)	Digital Electrometer	S.R.F.-1 Rs.600/-p.m. Contingency Rs.2000/-p.a. Books & Journals Rs.6000/- Equipment, Components etc. Rs.36,000/- Total: Rs.69,600/- for 3 years.
3.	Prof. V. Venkateswara Rao, Head of the Deptt. of Physics Regional Engineering College, Warangal (Andhra University).	Development of systematic automatic design programme for the component and three component objectives with special emphasis on photographic systems.	S.R.F.-1 Rs.600/-p.m. Contingency Rs.2,000/-p.a. Computation Rs.5,000/-p.a. Total:42,600/- for 3 years.
4.	Dr. N.G. Puttaswamy Reader Bangalore University	Mossbauer effect study of Binary Alloys.	S.R.F.-1 Rs.600/-p.m. Contingency Rs.2,000/-p.a. Instruments Technician-1. Equipment (with one multi- channel analyser) Rs.175000/- Total:Rs.215200/-for 3 years.
5.	Dr. P.k. Misra Head, Berhampur Univ.	Properties of Solids	J.R.F.-2 Rs.400/-p.m. Computation Rs.5,000/-p.a. Contingency Rs.5,000/-p.a. Total:Rs.61,200/-for 3 years
6.	Dr.L.Satapathy and Dr.(Mrs.) Mamata Satapathy Berhampur University.	a) Study of four-body co-relations in medium heavy nuclei. b) Phenomological and microscope studies of variation of Intrinsic shape in the ground state bands of deformed and soft nuclei and the phenomon of Phase transition.	J.R.F. -2 Rs.400/-p.m. Contingency Rs.5,000/-p.a. Computation Rs.5,000/-p.a. Total:Rs.61,200/- for 3 years.

1	2	3	4
7.	Prof. M.C. Joshi Bombay University	Heavy Ion Implementation in Solids(Semiconductors).	S.R.F. - Rs 600/- p.m. Technical Asstt. - 1 Consumables Rs 10,000/- p.a. Contingency Rs 20,000/- p.a. Total: 1,24,000/- for 3 years.
8.	Prof. M. De Calcutta University	Apodisation and optical filtering in partially coherent light.	S.R.F. - 1 Rs 600/- p.m. JRF - 1 Rs 400/- p.m. Contingency Rs 2,000/- p.a. -do- Rs 1,500/- p.a. Technical Asstt. - 1(Rs250/-p.m. Equipment Rs 45,000/- Total: Rs 1,01,700/- for 3 years
9.	Prof. J.C.Palathingal Calcutta University	Theoretical investigation of Nuoclear structure and experimental measurements and life times of Nuclear excited.	Computation Rs 4,500/- Materials Rs 15,000/- Contingency Travel etc. Rs 7,500/- Total: Rs 27,000/- for 3 years Staff: Rs 2,70,000 (Acad.& Tech.)
10.	Dr.C.S.G.K. Setty Delhi University	Studies of the Ionosphere	Equipment Rs 2,00,000/- Contingency Rs 10,000/- p.a. Total: Rs 5,00,000/- for 3 years
11.	Shri H.Saha Kalyani University	Photoelectrical properties of Ods Solar cells	JRF - 2 Rs 400/-p.m. Equipment Rs 77,000/- Computation Rs 5,000/- p.a. Contingencies Rs 1,500/- p.a. Total: 1,32,200/- for 3 years
12.	Dr. N. Umakantha Reader Karnatak University	Development of student laboratory. Experiments in Nuclear Physics.	Equipment Rs 30,000/- Total Rs 30,000/- for 3 years.
13.	-do-	Polarization effects on the energy loss of electrons.	Total grant of Rs 30,000/- approved for the project under S.No.12 is also be utilised for this purpose
14.	Prof.K.Venkataramiah Osmania University	Fabrication of Wide Line Nuclear Magnetic Resonance Spectrometer and study of single and polycrystall- ine Non-Metallic solids.	J.R.F. -1 Rs 400/- p.m. Technician - 1 (Rs250-500) Equipment Rs 60,000 Chemicals, Glassware, travel and contingency Rs 20,000/-p.a. Total Rs 1,62,600/- for three years.
15.	Prof. D.Krishnamurti Mysore University	Basic Research on liquid crystals	J.R.F. -2 Rs 400/- p.m. Tech.Asstt. - 2 Contingency Rs 15,000/-p.a. Equipment Rs 1,10,000/- Total: Rs 2,16,200/- for 3 years. p.t.o.

1	2	3	4
16.	Dr.D.L.Radhakrishna Setty Mysore University	Nuclear & Electron Magnetic Resonance spectroscopy.	
17.	Dr. H.S. Gurn Panjabi University	Stellar structure:Evolution and Pulsation.	S.R.F. - 1      Rs 600/- p.m. Contingency      Rs 2,000/- p.a. Computation      Rs 10,000/- p.a. Total: Rs 57,600/-for 3 years.
18.	Dr.M.K. Srivastava Roorkee University	The study of scattering of atoms Ions and molecules by charged particles impact.	S.R.F. - 1      Rs 600/- p.m. Computation      Rs 30,000/- Books and Journals      Rs 1,000/- p.a. Travel contingency      Rs 2,000/- p.a. Total: Rs 60,600/- for 3 years.
19.	Dr. H.S. Shah South Gujarat University	Optical & Magneto-optics of displaced metals.	J.R.F. - 2      Rs 400/- p.m. Tech.Asstt. 1 Equipment      Rs 46,000/- Books and Journals      Rs 30,000/- Contingency      Rs 1,500/- p.a. Total: Rs 1,02,400/- for 3 yrs.
20.	Departmental Project Visva Bharati	Theoretical studies in the quantum phenomena of particles, solids, liquids and radiation.	Books & Journals Rs 15,000/-p.a. Travel      Rs 10,000/-p.a. Total: Rs 75,000/- for 3 yrs.
21.	Dr.V.S.Ananthanarayanan Indian Institute of Science Bangalore.	Construction of a different- ial micro-calorimeter for application to Biologically important systems.	S.R.F. - 1      Rs 600/- p.m. Tech.Asstt. - 1 Lab. Asstt. 1 (Two years only) Contingency Rs 2,000/- p.m. for two years only Equipment      Rs 26,500/- Books and Journals Rs 25000/-  Working expenses - Rs 10,000/- Total Rs 90,300/- for 3 years.
22.	Prof. M. Vijayan Indian Institute of Science Bangalore.	X-ray crystallographic and other investigations on the structure of Biologically and med'ci- nally important molecules.	Equipment      Rs 1,60,000/- Contingency      Rs 10,000/- p.a. Total: Rs 1,90,000/-

p.t.o.

1	2	3	4
23.	Prof. R.K. Poddar Calcutta University	Molecular Biology: Biophysical Aspects	S.R.F. - 2 Rs 600/- p.m. Tech. Asstt. -1 (About Rs 450/-p.m.) Equipment Rs 1,50,000/- Contingency Rs 15,000/- p.a. Contingency Rs 2,000/- p.a. Total: 2,66,400/- for 3 years.
24.	Dr. K.P. Joshi Indore University	Effective interactions in Nuclei and Realistics Interactions.	Computation Rs 5,000/- p.a. Books and Journals Rs 2,500/- p.a. Total: 22,500/- for 3 years.
25.	Dr. S. Guha School of studies in Physics Vikram University	Instabilities in solid state Plasmas.	J.R.F. - 2 Rs 400/- p.m. Books and Journals Rs 7,500/- Computation Rs 9,000/- Travel and Contingency Rs 12,000/- Total: Rs 59,700/- for 3 years.
26.	Dr. G.M. Srinivasan St. Joseph's College Tiruchirappalli.	Estimation of internal pressure in liquids, liquid mixtures and sometimes and theory of liquid state.	Frequency counter Rs 10,000/- Contingency Rs 5,000/-p.a. Total: Rs 25,000/- for 3 years.
27.	Prof. V.D. Gupta Lucknow University	An experimental and Theoretical study of Conformation, Conformational statistics and conformation transition in macromolecules with special emphasis on biopolymeric systems.	S.R.F. - 1 Rs 600/- p.m. Computer time Rs 6000/- Travel Rs 3500/- Materials Rs 6000/- Total Rs 37,100/- for 3 years.
28.	Prof. V.T. Deshpande Osmania University	Design and fabrication of X-ray powder diffractometer and X-ray measurements of Lattice parameters, Thermal expansion, Debye Temperatures and amplitudes of Atomic Vibrations of some rare Earth compounds.	Equipment - 30,000/- Contingency Rs 10,000/- p.a. Total: Rs 60,000/- for 3 years.
29.	Prof. G. Sivaram Sastry Osmania University	Studies on Electrons Spin resonance Spectra of some Transitions metalions.	S.R.F. - 1 Rs 600/- p.m. J.R.F. - 1 Rs 400/- p.m. Contingency Rs 3,500/-p.a. Equipment Rs 28,000/- Total: Rs 75,700/- for 3 years.



CHEMISTRY

S. No.	Principal Investigator	Title	Grants Recommended
1.	2.	3.	4.
1.	Prof. P.S. Radhakrishnamurthy, Head of the Department of Chemistry Berhampur University.	Redox Reactions with Ferricyanide.	J.R.F.-1 Rs.400/- p.m. Contingency-Rs.5000/- p.a. Total: Rs.30,600 for three years.
2.	Prof. R.P. Rastogi, Head, Gorakhpur University.	Thermodynamic Studies of Membrane Phenomena.	S.R.F.-1 Rs.600/- p.m. J.R.F.-1 Rs.400/- p.m. Contingency-Rs.5000/- p.a. Total: Rs.52,200/- for three years.
3.	Dr. Rup Dutta B.I.T.S., Pilani.	Effect of exchange cation on the catalytic activity of Indian clay minerals.	Equipment Rs.6500/- J.R.F.-1 Rs.400/- p.m. Contingency Rs.2000/- p.a. Total: Rs.28,100/- for three years.
4.	Dr. Naseer Ahmed Reader, Aligarh Muslim Univ.	Synthesis and use of Pseudo Contact N.M.R. Shift Reagents.	S.R.F.-1 Rs.600/- p.m. J.R.F.-1 Rs.400/- p.m. Contingency- Rs.5000/- p.a. Total: Rs.52,200/- for three years.
5.	Dr. Nurul Islam Reader, Aligarh Muslim Univ.	Optical spectra electrical conductances, densities, viscosities, diffusivity, thermodynamic and electrochemical measurements of molten salt systems and their technical applications.	S.R.F.-1 Rs.600/- p.m. J.R.F.-1 Rs.400/- p.m. Contingency-Rs.5000/- p.a. Total: Rs.52,200/- for three years.
6.	Dr. M.A. Beg, Reader Aligarh Muslim Univ.	Reactions of Transition metal Halides in the Solid State.	S.R.F.-1 Rs.600/- p.m. J.R.F.-1 Rs.400/- p.m. Contingency-Rs.5000/-p.a. Total: Rs.52,200/- for three years.

1	2	3	4
7.	Dr. G.S. Gupta Reader, Aligarh Muslim Univ.	Chemical studies in the indigenous medicinal & aromatic plants.	J.R.F.-1 Rs.400/- p.m. Contingency-Rs.2500/- p.a. Total: Rs.23,100/- for three years.
8.	Dr. J.P. Singhal, Reader, Aligarh Muslim Univ.	Adsorption and reactions of pesti- cides, organics and Trace metals on Clays & Soils.	S.R.F.-1 Rs.600/- p.m. J.R.F.-1 Rs.400/- p.m. Contingency-Rs.5000/-p.a. Total: Rs.52,200/- for three years.
9.	Prof. V. Pandu Ranga Rao, P.G. Centre, Guntur, Andhra University.	Studies on metal chelate compounds and their solvent entra- cation and catalytic activity.	J.R.F.-1 Rs.400/- p.m. Contingency-Rs.5000/-p.a. Total: Rs.30,600/- for three years.
10.	Dr. Kalluri Subba Rao, Reader, Banaras Hindu Univ.	Cellular prolifera- tion and hypertrophy in developing brain - the possible effects of undernutrition.	Equipment: Rs.12,000/- Lab. Asstt. 1 Animal House Attendant - 1 Contingency: Rs.500/-p.a. Total: Rs.45,000/- for three years.
11.	Dr. A.K. Banerjee Delhi University	Homogeneous catalysis by transition metal complexes.	J.R.F.-1 Rs.400/-p.m. Contingency:Rs.2500/-p.a. Total: Rs.23,100/- for three years.
12.	Dr. K.B. Pandeya, Delhi University	Coordination Chemistry of Trace elements in Human Body.	J.R.F.-1 Rs.400/- p.m. Contingency-Rs.2500/- p.a. Total: Rs.23,100/- for three years.
13.	Dr. A.N. Maitra, Delhi University.	Studies on the mechanism of the inhibition action of some organic compounds on the acid corrosion of metals.	Equipment: Rs.5000/- J.R.F.-1 Rs.400/- p.m. Contingency:Rs.2500/-p.a. Total: Rs.28,100/- for three years.
14.	Prof. S.S. Sandhu, Head, Guru Nanak Univ.	Studies of the inter- action of metal ions with model Biological molecules.	S.R.F.-1 Rs.600/- p.m. J.R.F.-1 Rs.400/- p.m. Contingency:Rs.5000/-p.a. Total: Rs.52,200/- for three years.

1.....2.....3.....4.....

15. Dr. R.K. Datta, A molecular orbital J.R.F.-1 Rs.400/- p.m.  
Lecturer, study of the Computations  
Jadavpur University bending of some etc. Rs.3000/-p.a.  
simple organo Total: Rs.24,600/- for  
metallia compounds. three years.

16. Prof.F.V. Gopala Rao A study of liquid S.R.F.-1 Rs.600/- p.m.  
Jadavpur University state. Contingency: Rs.3000/-p.a.  
to be added to earlier grants: Rs.30,600/-

It has been noted that Professor Gopala Rao has been sanctioned grants for other project. The grant approved including one J.R.F. and contingency of Rs.2,000/- p.a. for two years. He may be asked to concentrate on "Dynamical properties of liquid state and an Acoustic study of the Liquid State". This project may be merged with the earlier project. Total grants recommended for the combined project is:

S.R.F.-1 Rs.600/-p.m.  
J.R.F.-1 Rs.400/- p.m.  
Contingency: Rs.5000/-p.a.  
Total: Rs.52,200/- for three years.

7. Prof.M.N. Das & Studies on Electro- S.R.F.-1 Rs.600/- p.m.  
Dr. K.K. Kundu, lyte Solutions in J.R.F.-1 Rs.400/- p.m.  
Jadavpur University. Nonaqueous Media- Contingency: Rs.5000/-p.a.  
Equilibrium Rs.67,800/- for three yrs.  
Properties and Reaction Rates.

8. Prof.(Mrs.)K.K. Photochemistry of Equipment: Rs.25,000/-  
Rohatagi Mukherjee Biologically S.R.F.-1 Rs.500/- p.m.  
Jadavpur University important molecules. J.R.F.-1 Rs.400/- p.m.  
Contingency: Rs.5000/-p.a.  
Total: Rs.77,200/- for three years.

9. Dr. Amalendu Das Investigations on J.R.F.-1 Rs.400/- p.m.  
Reader, Mucins. Contingency: Rs.2,000/-p.a.  
Jadavpur University Total: Rs.21,600/- for three years.

10. Dr.K.K. Mahalanabis, Studies on the J.R.F.-1 Rs.400/- p.m.  
Lecturer in Organic Chemistry of Contingency: Rs.2,500/-p.a.  
Chemistry, Isotriazole ring Total: Rs.23,100/- for  
Jadavpur University. systems. three years.

1	2	3	4
21.	Dr. Ramagopal Bhattacharyya, Jadavpur University.	Isolation and studies on the structure and bonding of some biologically active metal complexes with special reference their fungicidal and mosquitosterilising properties.	J.R.F.-1 Rs.400/- p.m. Contingency-Rs.3000/-p.a. Total: Rs.24,600/- for three years.
22.	Prof. G.S. Misra, Jabalpur Univ.	Redox Polymerization.	S.R.F.-1 Rs.600/- p.m. J.R.F.-1 Rs.400/- p.m. Contingency-Rs.5000/-p.a. Total: Rs.52,200/- for three years.
23.	Prof. R.C. Kapoor, Head, Jodhpur University	Kinetics of Oxidations by metal ions.	J.R.F.-2 Rs.400/-p.m. Contingency-Rs.4000/- p.m. Total: Rs.43,200/- for three years.
24.	Dr.K.N. Mehrotra, Jodhpur University	Physical properties and industrial application of transition metal soaps.	J.R.F.-1 Rs.400/- p.m. Contingency-Rs.2,500/-p.a. Total: Rs.23,100/- for three years.
25.	Dr. P.O. Jain, Reader Kurukshetra Univ.	X-ray diffraction and three-dimensional Crystal structure determination of substances of chemical biochemical and Solid State interest.	J.R.F.-2 Rs.400/- p.m. Contingency; travel, computations etc. Rs.6000/-p.a. Total: Rs.49,200/- for three years.
26.	Dr. D.M. Puri Reader, Kurukshetra Univ.	Formation Constants and reaction mechanism of transition metal complexes.	J.R.F.-2 Rs.400/- p.m. Contingency:Rs.4000/- p.a. Total: Rs.43,200/- for three years.
27.	Dr. H.R. Pujari, Reader, Kurukshetra Univ.	Synthetic studies on Bridgehead Nitrogen hetero cycles as potent anthelmintics.	J.R.F.-1 Rs.400/- p.m. Contingency-Rs.2500/- p.a. Total: Rs.23,100/- for three years.
28.	Dr.S.S. Pawar, Reader in Biochemistry, Marathwada Univ.	Effect of multiple intoxication of xenobiotics and drugs on the hepatic mixed function oxidase system.	J.R.F.-1 Rs.400/- p.m. Contingency-Rs.3000/-p.a. Total: Rs.24,600/- for three years.

	2	3	4
9. Dr.K.G. Marathe, Reader in Organic Chemistry, Poona University.	Photochemical and tracer studies in semi-synthetic steroid and penicillin system and related N.S.O. heterocycles.	Equipment: Rs.6000/- (to be fabricated) J.R.F.-1 Rs.400/- p.m. Contingency- Rs.2500/-p.a. Total: Rs.29,100/- for three years.	
Dr. N.S. Narasimhan, Poona University.	Synthesis of Hetero cyclic compounds.	J.R.F.-1 Rs.400/- p.m. Contingency: Rs.2,500/-p.a. Total: Rs.23,100/- for three years.	
Dr. J.P. Tandon, Reader, Rajasthan Univ.	Studies of Organic derivatives of boron containing boron- nitrogen bond.	J.R.F.-2 Rs.400/- p.m. Contingency: Rs.4,000/-p.a. Total: Rs.43,200/- for three years.	
Dr. R.K. Bansal, Rajasthan Univ.	Synthesis of some novel Hetero Cyclics through Ylide-Intermediates.	J.R.F.-1 Rs.400/- p.m. Contingency: Rs.2000/- p.a. Total: Rs.21,600/- for three years.	
Prof. R.C. Mehrotra Vice-Chancellor, Delhi University.	Apparently covalent compounds of highly electropositive elements and their applications in Biological systems.	Equipment: Rs.1,00,000/- and fittings: Special Chemicals:Rs.10,000/- (NR) S.R.F.-2 Rs.600/- p.m. J.R.F.-2 Rs.400/- p.m. One Lab.Attendant, One Lab. Technician:Rs.6,000/p.a. working expenses:Rs.10,000/- p.a. Total: Rs.2,32,400/- for three years.	
Dr. S.N. Tandon Roorkee Univ.	Studies on synthetic inorganic Ion Exchangers.	S.R.F.-1 Rs.600/- p.m. J.R.F.-1 Rs.400/- p.m. Contingency: Rs.5,000/-p.a. Total: Rs.52,200/- for three years.	
Dr. S.K. Srivastava Roorkee Univ.	Studies on inorganic Ion exchange membrane.	J.R.F.-2 Rs.400/- p.m. Contingency: Rs.4,000/-p.a. Total: Rs.43,200/- for three years.	
Prof. R.D. Patel Head, Sardar Patel Univ.	Laevulinic Acid from Sucrose and Novaldiamine from laevulinic Acid.	J.R.F.-1 Rs.400/- p.m. One Chemical Assisitt. Contingency: Rs.5,000/- p.a. Total: Rs.29,600/- for three years.	

1	2	3	4
37.	Prof. G.V. Bakore, Professor, Udaipur Univ.	Kinetic studies of Fast Reactions in Selection study of some Electron Transfer Reactions of Transition Metal Ions with compounds of Biological Significance.	Equipment: Rs.50,000/- S.R.F.-1 Rs.600/- p.m. J.R.F.-1 Rs.400/- p.m. Contingency-Rs.5000/- p.a. Total: Rs.1,02,200 for three years.
38.	Dr. K.S. Suresh Reader, Udaipur University	Synthesis of Antima- terial drugs.	J.R.F.-1 Rs.400/- p.m. Contingency-Rs.2,000/- p.a. Total: Rs.21,600/- for three years.
39.	Prof. N. Appala Raju Sri Venkateswara University.	Investigations of some important subsidiary elements in a ores of Rayalaseema and other parts of Andhra Pradesh.	S.R.F.-1 Rs.600/- p.m. Contingency-Rs.3,000/- p.a. Total: Rs.30,600/- for three years.
40.	Dr.S. B. Rao Reader, Srivenkateswara University.	Extraction Polaro- graphic studies.	Equipment: Rs.35,000/- S.R.F.-1 Rs.600/- p.m. J.R.F.-1 Rs.400/- p.m. Contingency:Rs.5,000/- p.a. Total: Rs.87,200/- for three years.
41.	Prof. A.K. De, Head, Visva Bharati	Studies on Synthetic Inorganic Ion exchanges.	Equipment Rs.15,000/- S.R.F.-1 Rs.600/- p.m. J.R.F.-1 Rs.400/- p.m. Contingency:Rs.5000/- p.a. Total: Rs.67,200/- for three years.

Total Proposals accepted:  
Grants recommended over a  
period of three years:

41

Rs.18,56,200/-

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Biological Sciences

S.No.	Principal Investigator	Title	Grants recommended
1	2	3	4

BOTANY

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|----|--|--|--|
| 1. | Dr. O. Saxena<br>Department of Botany<br>Gujarat University.   | Biochemical aspects of seed deterioration in peanut.                                       | This may be considered as second priority proposal.  |
| 2. | Dr. S.M. Jorapur<br>Karnatak University  | Cytotaxonomical and Cytochemical studies of orchids.                                       | J.R.F. 1      Rs 400/- p.m.<br>Contingency      Rs 2000/- p.a.<br>Travel      Rs 2000/- p.a.<br>Total Rs 27,600 for 3 years.                             |
| 3. | Dr. M.Y. Nayudu<br>Reader in Botany &<br>Dr. D. Adinarayana<br>Reader in Chemistry<br>Sri Venkateswara Univ. | Search for new Phytoalexins & Related Compounds.   | J.R.F. - 2      Rs 400/- p.m.<br>Chemicals      Rs 3000/- p.a.<br>Field work &      Rs 2000/- p.a.<br>Contingencies<br>Total: Rs 29,200/- for two years. |
| 4. | Dr. M.M. Laloraya<br>Reader in Botany<br>Gujarat University  | Phytochrome and photomorphogenic reactions in the control of photomorphogenesis in plants. | J.R.F. - 2      Rs 400/- p.m.<br>Contingency      Rs 3000/- p.a.<br>Total: Rs 40,200/- for 3 yrs.  |
| 5. | Dr. T.N. Eharadwaja<br>Deptt. of Botany<br>Govt. College, Ajmer<br>(Rajasthan University)                    | Cyto-taxonomic and Experimental studies of the Pteridophytic Flora of Rajasthan            | J.R.F. - 1      Rs 400/- p.m.<br>Contingency      Rs 3000/- p.a.<br>Travel      Rs 1000/- p.a.<br>Total: Rs 27,600 for 3 years.                          |

ZOOLOGY

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|----|--|---|---|
| 6. | Dr. B.R. Singh<br>Bihar University                                     | Development of air breathing organs and Oxygen utilisation of some air-breathing fishes in India. | J.R.F. - 2      Rs 400/- p.m.<br>Chemicals and<br>Glassware      Rs 2,500/- p.a.<br>Contingency      Rs 4,000/- p.a.<br>Total: Rs 50,700/-<br>for three years.  |
| 7. | Dr. G.K. Lehri<br>Lecturer<br>Regional College of<br>Education, Bhopal | Biochemicals aspects of fish productivity and their application in Madhya Pradesh fisheries.      | Investigator should concentrate only on "Hormones and reproductive behaviour of fishes" for this<br>J.R.F. - 1      Rs 400/- p.m.<br>Contingency      Rs 2,000/- p.a.<br>recommended<br>Total: Rs 21,600/- for three years. |

2	3	4
9. Dr. Ashok Gosh Calcutta University.	To study the Physiology of reproduction in boulicoot rats and to develop methods of sterilization to control their population.	J.R.F. - 2 Rs 400/- p.m. Contingency Rs 5,000/- p.a. Total: Rs 46,200/- for three years.
10. Dr. S.R.V. Rao Delhi University	Ostagenetical studies on rodentrs from the Indian sub-continent.	Salaries of supporting Staff: Rs 15,000/- p.a. Contingencies Rs 10,000/- p.a. Total: Rs 75,000/- for three years.
11. Dr. V.K.K. Prabhu Kerala University	Exogenous insect hormone analogues in insects developmental biology .	S.R.F. - 1 Rs 600/- p.m. J.R.F. - 1 Rs 400/- p.m. Other Rs 10,000/- p.a. expenses Total:Rs 67,200/- for 3 years.
12. Prof. A.B.Das Visva Bharati	Enzymatic Mechanisms underlying the Thermal Accilimation of Perip-laneta Americana(Linn)	J.R.F.- 1 Rs 400/- p.m. Equipment Rs 8,000/- Chemicals & Glassware Rs 5,000/- p.a. Contingencies Rs 1,000/- p.a. Total: Rs 41,600/- for 3 years
13. Prof. D.N. Kamat Shivaji University	Studies on the diagnostic role of esterase in experimental nephrotic syndrome edema.	Equipment: Rs 3,500/- J.R.F. Rs 400/- p.m. Contingency Rs 2,000/- p.a. Total Rs 30,100/- for 3 years
14. Dr. A.G. Satryanesan Senior Research Officer Institute of Medical Science B.H.University.	Endocrine and neuree-hdocrine physiology in some fresh water fishes with special refer-ence to reproduct-ion and water pollution.	J.R.F. - 2 Rs 400/- p.m. Other purposesRs 10,000/- p.a. Total: Rs 61,200/- for 3 year
15. Dr. D. Chandramohan Research Associate Marine Biological Station Annamalai University	Studies on the Marine Antagonistic strepotmycetes.	Equipment: Rs 25,000/- J.R.F. - 1 Rs 400/-p.m. Lab. Asstt. - 1 Rs 210-310 Contingency Rs 5,000/- p.a. and Chemicals Total Rs 65,600/- for 3 years
16. Prof. V.V.Modi Head, Department of Microbiology M.S.University of Baroda	Studies on carotine bio-synthesis by Blakesleastrispora, with emphasis on the beta factor & other factors & sti-mulate carotene production to incease the yield of B-carotine obtained by formentation of cereal grains.	Research Assistants - 2 (C.S.I.R. Scale) * Equipment Rs 30,000/- Contingency Rs 3,000/- p.a. Total: Rs 69,000/-for 3 years *Fermenter



1	2	3	4
16.	Prof. T. Ramakrishna Indian Institute of Science, Bangalore.	Effect of Chelating agents on the growth and Enzyme systems of Rous Sagona Virus.	S.R.F. - 1 (Rs 600/- p.m.) Equipment Rs 5,000/- (1 Incubator) Working expenses: Rs 10,000/- p.a. Total: Rs 56,600/- for 3 years
17.	Dr. (Mrs) Kunthala Jayaraman, Department of Biological Sciences Madurai University	Transcriptional regula- tion of Eucaryotic deve- lopment.	S.R.F. - 1 Rs 600/- p.m. One Lab. Tech. Equipment Rs 1 1/4, 000/- Chemicals and Glassware Rs 10,000/- p.a. Total: Rs 73,600 for 3 years.
18.	Dr. V.R. Muthukkaruppan Deptt. of Biological Madurai University.	Development of Immune Functions in Fishes	Equipment Rs 26,000/- S.R.F. -1 Rs 600/- p.m. Supplies and Chemicals Rs 5,000/- p.a. Total: 62,600/- for 3 years.

GENETICS

19.	Dr. (Mrs) M.G. Padma Reader Deptt. of Genetics Osmania University		Equipment Rs 20,000/-- J.R.F. - 1 Rs 400/- p.m. Lab. Technician - 1 Contingency Rs 1,000/- p.a. Chemicals Rs 5,000/- p.a. Total: Rs 92,900/- for 3 years
20.	Prof. G.M. Reddy Deptt. of Genetics Osmania University.		Equipment Rs 40,000/- J.R.F. - 1 Rs 400/- p.m. Technician - 1 (Rs 150-330) Chemicals Rs 5,000/- p.a. Contingency Rs 5,000/- p.a. Total Rs 99,100/- for 3 years
21.	Dr. S. Subramanyam Reader in Genetics Osmania University		Equipment Rs 10,000/- Junior Scientific Asstt. - 1 One Technician (Rs 140-290) Chemicals & Animal Feed Rs 5,000/- p.a. Total: Rs 57,500/- for 3 years.

A.T.O.

MATHEMATICS

S.No.	Principal Investigator	Title	Grants recommended
1.	Prof. K.N. Srivastava M.A. College of Technology, Bhopal.	Stress distribution in composite Solids.	S.R.F.-1 Rs.600 p.m Contingency-Rs.2,000/- p.a. Total: Rs.27,600/- for three years.
2.	Dr. O.S. Srivastava, Department of Mathematics, Gorakhpur University.	Shock waves in a * dusty medium.	J.R.F.-1 Rs.400 p.m Contingency-Rs.1,500/- p.a. Total: Rs.12,600/- for two years.
3.	Dr.J. Krishna Rao Deptt. of Mathematics, Saurashtra University, Rajkot.	Gravitational radiation and gravitational collapse.	J.R.F.-1 Rs.400/- p.m. Contingency-Rs.1,500/- p.a. Total: Rs.20,100/- for three yrs.

Total number of Proposals accepted: 3  
Total amount recommended: Rs.60,300/-

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting:  
Dated: 10th February, 1975  
Time : 10.00 A.M.  
Place: UGC Office, New Delhi.

A G E N D A

- Item No.1: To receive the minutes of the meeting of the Commission held on 9th & 10th December, 1974.
- Item No.2: (a) To approve the action taken on certain matters.  
(b) To receive the items of information.  
(c) To receive the statement of proposals which could not be accepted by the Commission.
- Item No.3: To approve the statement of grants released after the last meeting of the Commission held on 9th & 10th December, 1974.
- Item No.4: To receive a statement of expenditure incurred by the University Grants Commission during 1974-75 upto 31.12.1974.
- Item No.5: To receive a statement indicating the progress of issue of Utilisation Certificates during the period ending 15th January, 1975. P1-2
- Item No.6: To consider the report of the Committee appointed to review the work of the cell on the Sociology of the North Eastern Hill area in the Department of Sociology, Delhi University. P. 3-4
- Item No.7: To receive the report of the Working Group constituted by the Ministry of Health and Family Planning to study in depth the problems relating to the College of Medical Sciences of Delhi University. P.5-6

- Item No.8: To receive the recommendations of the Expert Committee appointed by the University Grants Commission to work out the broad outlines and structure of courses relevant for the rural environment in the degree courses. P.7-27
- Item No.9: To consider the recommendations made by the Sub-Committee on COHSIP about selection of colleges for participation in the programme and the guidelines for the implementation of the programme recommended at the conference of Principals of Colleges. P.28-46
- Item No.10: To consider the recommendations of the four workshops held on a zonal basis to work out details of action programmes on urgent academic issues viz (a) Autonomous Colleges, (b) Examination Reforms (c) Development of postgraduate education in colleges for implementation during the 5th Plan. P.47-66
- Item No.11: To consider the question of bringing out a brochure on the recommendations of the workshops organised by the University Grants Commission on Examination reform. P.67-78
- Item No.12: To consider further the proposal of the Government of India for making National Service for a specified period as a pre-condition for the award of a degree. P.79-85
- Item No.13: To consider a proposal of the Government of Bihar for declaring Mithila University, Darbhanga as an institution fit to receive grants from the Central Government, the Commission or any other organisation receiving any funds from the Central Government Under Section 12(A) of the U.G.C. Act. P.86-92
- Item No.14: To consider the question of providing assistance to Institutions deemed to be universities under Section 3 of the U.G.C. Act for the post of Development Officers during the Fifth Plan. P.93-94
- Item No.15: To consider the proposal of the Gorakhpur University for the construction of 300 boys hostel at an estimated cost of Rs.28 lakhs during the Fifth Plan period. P.95-97

Item No.16: To consider the proposal of the Tata Institute of Social Sciences, Bombay for the construction of a Teachers Hostel. p.98-99

Item No.17: To note the date and place for the next meeting of the Commission.

Any other item.

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'CHUGH'

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting:  
Dated: 10th February, 1975  
Time : 10.00 A.M.  
Place: UGC Office, New Delhi.

A G E N D A

- Item No. 18: To consider the recommendations made by the Expert Committee appointed by the Commission to evaluate the work of the Centre of Exploration Geophysics, Osmania University. P.100-121
- Item No.19: To consider the recommendations made by the Standing Committee for the College Science Improvement Programme. P.122-133
- Item No.20: To consider further the report of the Visiting Committee appointed to review the progress and requirement of funds for the Water Resources Development Training Centre, Mookerjee University. P.134-135
- Item No.21: To consider the proposal of Delhi University for permission to start the construction of extension to the library building for the Department of Business Industrial Management. P.136
- Item No.22: To consider the recommendation made by the Law Panel for equating LL.M. with the M.Phil course for purposes of award of scholarships. P.137-139

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'CHUGH'

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting:  
Dated: 10th February, 1975  
Time : 10.00 A.M.  
Place: UGC Office, New Delhi.

A G E N D A

- Item No.23: To receive the minutes of the first meeting of the Editorial Committee of the University Grants Commission "Journal of Higher Education" held on 6th December, 1974. P.140-146
- Item No.24: To consider the report of the Expert Committee appointed by the University Grants Commission to examine the proposals of the Mysore University for development of Postgraduate Courses at the University Postgraduate Centre at Shimoga, during the Fifth Five Year Plan period. P.147-168
- Item No.25: To consider the recommendations of the Advisory Committee on organisation of Summer Institutes in English Language Teaching during 1975. P.169-182
- Item No.26: To consider the question of providing assistance for development programmes to Teachers Training Colleges during the Fifth Plan period. P.183-185
- Item No.27: To consider the proposal of Delhi University regarding the construction of four buildings for the school of Correspondence Courses and continuing education at an estimated cost of about Rs.35 lakhs. P.186-192.

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'CHUGH'

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting:  
10th February, 1975  
10.00 A.M.  
UGC Office, New Delhi.

Dated:  
Time :  
Place:

A G E N D A

- Item No.28: To consider the recommendations made by the Panel on History at its meeting held on 15th January, 1975. (p.203-206)
- Item No.29: To consider the recommendations made by the Panel on Philosophy at its meeting held on 16th & 17th October, 1974. (p.207-218)
- Item No.30: To consider the Report of the Committee appointed by the Commission to advise on the Programme for celebrating 400th Anniversary of Ram Charit Manasa in the Universities. (p.219-224)
- Item No.31: To consider the guidelines for the development of Correspondence Courses in the Fifth Plan. (p.225-233)

.....



CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION.

Meeting;  
Dated; 10th February, 1975.  
Place: UGC Office, New Delhi.  
Time: 10.00 AM.

AGENDA

- Item No. 32: To consider the recommendations of the Panel of Scientists and the Science Research Council regarding research projects to be supported during V Plan period. p 234-248.
- Item No. 33 : To consider certain establishment matters of University Grants Commission. p 249-250.
-

UNIVERSITY GRANTS COMMISSION

Minutes of the 164th meeting of the University Grants Commission held on 9th and 10th December, 1974.

...

The following were present:

Professor Satish Chandra	- Vice-Chairman (in the Chair)
Dr. Ajit Mazumdar	- Member
Shri K.N. Channa	- Member
Professor Rais Ahmed	- Member
Professor S. Gopal	- Member
Professor M. Santappa	- Member
Professor R.S. Sharma	- Member
Professor B.M. Udgaonkar	- Member
Professor J.B. Chitambar	- Member
Shri K.T. Chandu	- Member
Shri R.K. Chhabra	- Secretary

SECRETARIAT

Dr. D. Shankar Narayan	- Addl. Secretary
Dr. J.N. Kaul	- Joint Secretary
Dr. S.K. Dasgupta	- Joint Secretary
Shri S. Visvanath	- Deputy Secretary
Dr. S.C. Goel	- Deputy Secretary
Dr. G.S. Mansukhani	- Deputy Secretary
Shri S.P. Gupta	- Deputy Secretary
Dr. M.L. Mehta	- Deputy Secretary
Dr. T.N. Hajela	- Deputy Secretary
Shri R.P. Bhattacharjee	- Finance Officer

Dr. Amarjit Singh had expressed his inability to attend the meeting.

Item No. 1 : To receive the minutes of the meeting of the Commission held on 24th November 1974.

The minutes of the 163rd meeting of the University Grants Commission held on 24th November, 1974 were confirmed.

The Commission desired that the Delhi University may be requested to send to the Commission the list of teachers, both in the University and its colleges, who had been given extension beyond the age of 60 or 63 years as the case may be, after 1st January 1973 along with the date on which the extension was approved by the University.

...

p.t.o.

- Item No. 2 : (a) To approve the action taken on certain matters.
- (b) To receive the items of information.
- (c) To receive the statement of proposals which could not be accepted by the Commission.

(a) The Commission approved the action taken on items listed in Appendix I\*.

(b) --

(c) This was noted.

...

- Item No. 3 : To approve the statement of grants released after the meeting of the Commission held on 11th November, 1974.

The Commission approved the grants released after the meeting of the Commission held on 11th November, 1974 (Appendix II)\*.

...

- Item No. 4 : To receive a statement indicating the progress of issue of Utilization Certificates during the period ending 15th November, 1974.

This was noted.

...

- Item No. 5 : To further consider the demands made in the first All-India Convention of National Students Union held in Bombay and those made by the All India Students Federation at its conference held in Cochin.

It was noted that the views expressed by the 1st All-India Convention of National Students' Union held in Bombay and by the All-India Students' Convention at its conference in Cochin on some vital issues of Indian higher education were in general agreement with the Commission's own thinking. It was mentioned in this connection that the Commission had already initiated, within the resources

available, several measures to implement some suggestions made at these conferences.

The Commission made the following further observations:

1) The Commission agreed that participation of students in the working of the universities would be an important step in the process of democratisation of higher education. While generally endorsing the recommendations of the Gajendragadkar Committee in this regard, the Commission felt that where a 'Students Council' is not provided for, provision should be made for representation of students on the Academic Council. Care has, however, to be taken that areas relating to examinations, appointment of academic staff, etc., do not come within the purview of students' participation.

Democratisation of higher education, it was felt, was not merely participation of the students in the working of the universities, but, more important, it was opening up of opportunities of access to higher education to students from under-privileged backgrounds. These opportunities will have to be widened, keeping in view the available facilities and resources.

2) The Commission reiterated its earlier decision that capitation fee for purposes of admission to institutions of higher learning was bad in principle and unproductive in practice. It was, however, recognised that institutions will have to raise adequate resources for their efficient functioning and maintenance of standards. The following general principles may be observed if institutions decide to raise funds for their maintenance and development:

- (a) Contributions may be accepted from students on a voluntary basis. It will be a good practice not to accept any contribution from students at the time of admission.
- (b) Admission to institutions should be strictly on merit and in accordance with the conditions prescribed by the university and the institution concerned.
- (c) Additional resources may be raised, in consultation with the university, by a differential fee structure and may be spread over the entire duration of the courses offered by the institution.

- (d) A certain proportion of seats should be reserved for meritorious students who, because of financial difficulties, cannot maintain themselves in such institutions. Such students should be provided exemption from fees and necessary financial support to pursue their courses of studies.
- (e) Contributions raised by the institutions should be used only for maintenance and development of the institutions in consultation with the university concerned.

The question of such institutions receiving general "grant-in-aid" from the State Governments should be further examined.

3) The Commission emphasised the urgent need for organising remedial courses for students coming from deprived education backgrounds. Such remedial courses should not only help them to reach the level of competence required for admission to specialised institutions but should also help them in the mastery of the language which is the medium of education in the institutions concerned. It was recognised that any worthwhile result can be achieved in this direction only with the help of State Governments which should be requested to make a major contribution for this purpose.

4) It was noted that the Commission had already formulated certain guidelines for the establishment of new universities. These guidelines do take into account the higher education needs of rural areas. Establishing a university in a rural area will not necessarily make it a fit instrument of rural development merely by its location.

...

Item No. 6 : To receive the proceedings of the meeting of the Committee on linking education and work experience.

The Commission desired that the final report of the Committee's work may be awaited.

...

Item No. 7 : To consider the recommendations of the Committee appointed to examine the proposal of the M.S. University of Baroda for assistance for the publication of Gaekward Oriental Series.

The Commission agreed to provide support to the M.S. University of Baroda for the publication of Gaekward Oriental Series. It was noted that the estimated expenditure on this account over the next four years would be about Rs.1,80,000 and that the University had agreed to provide Rs. one lakh for this programme. The Commission agreed to provide a grant to cover the deficit subject to a maximum of Rs.80,000. This amount would be debitable to the V Plan allocation of the University.

...

Item No. 8 : To consider the recommendations of the Standing Committee on New Universities and University Centres made at their meeting held on 21st November 1974.

The Commission accepted the recommendations of the Standing Committee on New Universities/University Centres as per Appendix III.

...

Item No. 9 : To consider the question of awarding approved construction works of projects financed by the University Grants Commission to Public Undertakings.

The Commission agreed that if a university desired to award the work of building construction to the National Building Construction Corporation or similar public undertaking, the university may do so by negotiation. It was understood that negotiations are actually based on 'actual cost' plus a certain percentage as overhead cost including the profit of the undertaking. The Commission was of the view that before finalising the agreement, the universities should obtain acceptance of the Commission with regard to the 'actual cost' of construction which would be based on the estimates accepted by the P.W.D. A provision could, however, be made in the agreement for revising the actual cost, if necessary, on the basis of statutory price rise in respect of specific items and wages of the labour. It was also desired that the public undertaking concerned should itself undertake the civil work directly and should not sub-contract such work.

The Commission while accepting the proposal of the Aligarh Muslim University in this regard desired that the buildings so completed by the N.B.C.C. should be got test-checked with the help of the C.P.W.D. with regard to the construction work and costs involved.

...

Item No.10: To consider the proposal of the Jawaharlal Nehru University for construction of a second school building.

The Commission desired that the proposal of the Jawaharlal Nehru University for provision of a second school building may be considered by the visiting committee along with the V Plan proposals of the University.

...

Item No.11: To consider the proposal of the Meerut University for financial assistance towards the construction of Guest House already completed by the University during the Fourth Plan.

The Commission agreed to provide assistance to the Meerut University for construction of a Guest House already completed subject to the sharing basis as provided in the fourth plan provided further that the amount payable will be a charge on the V Plan allocation of the University.

...

Item No.12: To consider a proposal regarding implementation of University Leadership Project in Mathematics at Bombay University under COSIP.

The Commission accepted the proposal of the Bombay University to take up the University Leadership Project in Mathematics under the College Science Improvement Programme and agreed to provide for the purpose a grant Rs.5 lakhs over a period of three years. The Commission desired that the specific purposes and items for which this amount will be utilized may be indicated by the University. It was noted that any academic positions created under this programme will be for the duration of the project.

...

Item No.13: To consider the appointment of the members of a Jury for making final selections of scientists for awards instituted by the Commission from out of the endowment made available by the Hari Om Ashram Trust, Nadiad.

The Commission decided that the Jury for making final selection of scientists for awards instituted by the Commission from out of the endowment made available by the Hari Om Ashram Trust, Nadiad, may consist of the following:

1. Vice-Chairman, UGC.
2. Dr. Amarjit Singh
3. Professor Rais Ahmed
4. Professor J.B. Chitambar
5. Professor M. Santappa
6. Professor B.M. Udgaonkar
7. Two other persons to be nominated by
8. the Vice-Chairman.

...

Item No.14: To consider the question of financial assistance towards introduction of short-hand and typewriting classes in universities and colleges.

The Commission felt that while the colleges should be encouraged to provide facilities for short-hand and typewriting classes for their students, no separate grant should be paid for the purpose by the Commission; such courses should be organised on a self-supporting basis.

...

Item No.15: To consider further the question of pattern of education namely 10+2+3.

The Commission noted that it had already endorsed the recommendations of the Central Advisory Board of Education for adopting a general pattern of 10+2+3 for the first degree course. The Commission endorsed the views of the C.A.B.E. that where a university desired to have a 2-year Pass Course on the pattern of 10+2+2 years, it could do so but in such cases, adequate provision should be made available for such graduates who wish to pursue postgraduate studies by offering



them suitable 'bridge' or 'link' courses. Where universities opt for both General Pass and Honours first degree courses, the Colleges which propose to offer such Honours courses should be carefully selected on the basis of facilities and standards maintained by them.

...

Item No. 16: To note the date and place for the next meeting of the Commission.

It was noted that the next meeting of the Commission will be held on 10th February 1975.

...

Item No. 17: To consider the work plan for Faculty Improvement Programme.

The Commission generally accepted the plan of work (Appendix IV) proposed for implementation of Faculty Improvement Programme during the fifth plan period viz.;

- I University Leadership Projects
- II Refresher Courses/Short-term Institutes
- III Teacher Fellowships
- IV National Associateships

Refresher Courses/Short-term Institutes may be organised by the University and should be directed towards improvement of curricula, teaching methods and examination reforms to be introduced by the universities. Specific proposals for this purpose may be invited from universities having affiliated colleges.

The organisation of the advanced level institutes and the specific topics of such institutes may be determined in consultation with the subject panels. The Commission further agreed that 6 - 8 Summer Institutes in English may be organised during the current academic year.

The Universities and colleges and wherever necessary the State Governments concerned should be requested to provide academic leave to teachers sponsored and selected for the teacher fellowships.

The Commission also desired that a committee may work out the details relating to facilities to be created for in-service teachers to improve their qualifications beyond M.A./M.Sc. level through correspondence courses.

The Commission agreed that the proposals from universities for organising Seminars, Symposia and Workshops etc., may be considered once a year prior to the beginning of the academic year.

...

Item No. 18: To consider the recommendations made by the panels in the Humanities and Social Sciences at their meetings held in September/October 1974.

The Commission generally accepted the recommendations of the Humanities and the Social Sciences Panels and made the following observations:

1. Workshops on modernizing the undergraduate and postgraduate syllabi in various disciplines with a view to integrating in them work experience and a measure of relevance may be organised on a regional basis. It is most important that the Workshops should be preceded by adequate preparatory work and that all the components of the academic community should be represented in these Workshops.
2. The question of developing museums and providing audio-visual aids to the department of History/Archaeology may be brought up separately before the Commission at a later meeting.
3. The proposal to support studies in the history of science outside the V Plan allocation of the Universities may be accepted in principle and the History Panel may be requested to identify a few departments of history/archaeology for the purpose.
4. The Commission agreed to set up a separate panel in Social Work and to call the present panel on Sociology and Social Work as the Panel on Sociology and Social Anthropology.
5. In-service training and further education of college teachers in various disciplines should be developed under the Faculty Improvement Programme.
6. The Commission accepted in principle the development of suitable reading materials for B.A. (Hons.) and M.A. students in Economics and desired that the Economics Panel may prepare a specific proposal towards this end. The question of preparing suitable text-books in Economics with special reference to regional economics may be referred to the Publication Committee.

7. The question of giving special support to some selected universities to publish doctoral dissertations of distinctive merit in some discipline may be considered by the Publications Committee.

8. The question of restricting the LL.M. Course only to full-time students may be discussed by the visiting committees with the concerned universities. Equivalence of the LL.M. Course with M.Phil. Courses may be considered after qualifications of lecturers, consequent on the revision of salary scales, have been considered by the Commission.

9. The universities selected for special assistance under the programme of examination reform are free to bring law departments within the purview of this programme. The matter may, however, be referred to the examination reform committee for advice.

10. A small committee may be set up to prepare a status report on teaching in modern Indian languages and the themes suggested by the Linguistics Panel.

The Commission also desired that an expert group may be set up to consider the long-term goals, immediate objectives and methodology of teaching of foreign languages in India, including English.

It was felt that the question of setting up of review committees on classical Indian languages may be postponed for some time.

11. The Commission approved a grant of Rs.2.12 lakhs for advanced research projects of 11 teachers as per details given in Appendix V. Shri Karumuri V. Subbarao's proposal for a workshop may be referred to the committee which will consider proposals for summer institutes/workshops/seminars etc.

12. The Commission approved a grant of Rs.3,04,150 for research projects of 126 university and college teachers as detailed in Appendix VI.

.....

Item No.19: To consider the report of the Committee appointed by the UGC to examine the proposal of Rajasthan University for financial assistance towards the introduction of correspondence courses at the postgraduate level:

Item No.20: To consider the report of the Committee appointed by the UGC to examine the proposal of University of Andhra for financial assistance towards the introduction of correspondence courses at the postgraduate level.

Item No.21: To consider the report on the proposal of the Utkal University for the introduction of correspondence courses.

These items were withdrawn.

...

Item No.22: To consider the recommendation made by the Sub-Committee on COHSIP about selection of colleges for participation in the programme and the guidelines for implementation of the programme recommended at the Conference of Principals of Colleges provisionally selected for participation in the programme.

Consideration of this was postponed to the next meeting.

...

Item No.23: To consider further the proposal of the Government of India for making National Service for a specified period as a pre-condition for the award of a degree.

Consideration of this was postponed to the next meeting.

...

Item No.24: Review of U.G.C. Programmes.

The Commission generally reviewed the progress made in respect of its programmes during the past two years.

The points arising out of the discussions are given in the note at Appendix VII.

...

p.t.o.

Item No.25: Any other item.

(a) Evaluation of Junior Fellows

The Commission further considered the procedure to be followed for evaluating the work of the junior research fellows who at present are drawing Rs.400 per month, but at the end of two years would be eligible to receive Rs.500 per month. The Commission agreed to the following procedure in this regard:

A research fellow who has completed two years of junior fellowship should be required to submit a report indicating the work done and the progress made in his approved research project. This report should be accompanied by an assessment report from the supervisor of the candidate. These reports may then be referred to two experts who may be requested to indicate (a) whether in the light of the work already done by the candidate, he may be given the increased amount of the fellowship, or (b) may be allowed to continue on the existing basis for another year when his work could be again evaluated, or (c) whether the candidate's work may be assessed after an interview, or (d) the fellowship may be discontinued because of the unsatisfactory progress.

The Commission also desired that the supervisor concerned, while forwarding the assessment report of the research fellow, should indicate the total number of students working for Ph.D. under his guidance at the time of reporting, the name of the students, date of registration and the topic of research of the scholars.

(b) V Plan proposals from Colleges

The Commission noted that the guidelines for preparation of development proposals for improvement of undergraduate educational facilities in affiliated colleges during the V Five Year Plan period have been circulated. The colleges have been requested to send their proposals through the university concerned and also to send a copy of their proposals to their State Governments. It was agreed that the State Governments be requested to communicate to the concerned universities their views on the proposals of the colleges within a specified period. The universities while forwarding the proposals to the Commission with their recommendations would also convey the

views of the State Government on each proposal. This procedure may not be necessary in respect of schemes where the colleges do not expect a matching share to be provided by the State Government or do not expect the State Government to meet in full or share the "committed" expenditure which has to be continued after the Commission's assistance ceases at the end of V Plan.

R.K. Chhabra  
Secretary

Satish Chandra  
Vice-Chairman

The main recommendations of the Standing Committee on new universities and university centres as accepted by the Commission are given below:-

I. Establishment of a University at Rohtak.

...

On further considering the proposal of the Government of Haryana for the establishment of a teaching-cum-affiliating university at Rohtak immediately, the Committee was not in favour of establishment of a new university at Rohtak at present. Instead, it was suggested that the Kurukshetra University Act should be amended in such a way that the unitary character of the University is maintained and at the same time a new organizational set up like the Directorate for undergraduate education in colleges is set up as a wing of the Kurukshetra University to deal with the affiliating functions in respect of the colleges that are now affiliating functions in respect of the colleges that are now affiliated to the university consequent upon their transfer from the Panjab University. Suitable provision should also be made in the Act so that it would be possible for such a Directorate for Collegiate Education and for the Postgraduate Centre at Rohtak to function at a high academic level and in an autonomous manner, within the University framework.

II. Upgrading the Postgraduate Centres at Guntur (Andhra University) and Warangal (Osmania University) as fullfledged Universities in Andhra Pradesh.

...

The two existing above Postgraduate Centres should first be enabled to function as autonomous centres academically, administratively and financially. It would be necessary for the Universities of Andhra and Osmania and the State Government to consider how best this could be achieved. The question of bringing about structural changes in the Acts of Osmania and Andhra Universities may also be considered by the State Government so that on the one hand the required autonomy for the Postgraduate Centres be conferred and on the other a separate wing under the aegis of the Universities be brought into being for discharging its affiliating functions for undergraduate education in colleges. The Fifth Plan Visiting Committees which would visit these Centres may also be requested to suggest the measures for the development of these Centres.

III. Establishment of a Science and Technological University in Tamil Nadu.

...

/condition  
that the

It was noted that the Tamil Nadu Government had revised its proposal in conformity with the suggestions and conditions laid down by the U.G.C. and the Government of India from time to time and felt that there was a prima-facie case for setting up such a unitary university as it will pave the way for optimum utilisation of the existing institutions that will form the ~~new~~ university. The proposal was, therefore, accepted in principle, on the / proposed University should also include under it the Department of Chemical Technology, Leather Technology, Textile Technology and Architecture and Town Planning of the University of Madras

IV. Declaration of Gandhigram Rural Institute as an Institution deemed to be a University.

...

A Visiting Committee be sent to Gandhigram to examine the proposal and make recommendations. The Government of Tamil Nadu may also be consulted in this matter, simultaneously, to arrive at a mutually acceptable decision.

V. Establishment of a University Postgraduate Centre at Tellicherry (Calicut University). (Item No.7 of the minutes)

...

It was noted that the U.G.C. had already agreed in principle to the starting of a postgraduate centre in Tellicherry subject to the proviso that the Commission would not be able to give any financial assistance for the purpose in the Fourth Plan and the question of assistance to the Postgraduate Centre in Tellicherry will be considered on the basis of a report of an Expert Committee which would visit the University in due course. The Commission also noted that the Postgraduate Centre had started functioning and the Commission had agreed to the creation of one post of Professor in English. In view of this, a Visiting Committee may be constituted to consider the question further, and advise regarding introduction of various courses and financial assistance required during V Plan period.

VI. Establishment of a Postgraduate Centre at Tripura.

...

Since the present proposal made by the Calcutta University is in conformity with the advice given earlier, the Commission agreed that the Calcutta University be allowed to go ahead with the establishment of a Postgraduate Centre at Tripura, and a Visiting Committee may be appointed by the Commission to assess the developmental and financial requirements of the Centre.

.....



The work plan for Faculty Improvement Programmes  
during V Plan period.

The faculty improvement programme would consist of the following activities:-

- I. University Leadership Projects.
- II. Refresher Courses/Short-term Institutes
- III. Teacher Fellowships
- IV National Associateships.

Details regarding the scope of each of these activities during the Fifth Plan period are given below:

I University Leaderships Projects.

During the Fifth Plan period, every university which has more than 25 affiliated colleges providing undergraduate courses may be invited to take up a University Leadership Project in each of the major subjects so that the instructional facilities and methods in the colleges could be improved in relation ~~to~~ the courses evaluated by each university and the college teachers being provided with a variety of opportunities to improve their competence as teachers. On this basis, about 40 additional University Leadership projects may be initiated in science subjects and a similar number in the humanities and social science subjects during ~~the Fifth Plan period.~~ ~~The adequacy~~ ~~of~~ ~~the~~ ~~present~~ ~~number~~ ~~could~~ ~~be~~ ~~reviewed~~ ~~during~~ ~~the~~ ~~course~~ ~~of~~ ~~the~~ ~~Fifth~~ ~~Plan~~ ~~period.~~ ~~The~~ ~~present~~ ~~number~~ ~~would~~ ~~enable~~ ~~at~~ ~~least~~ ~~10~~ ~~University~~ ~~Leadership~~ ~~Projects~~ ~~to~~ ~~be~~ ~~initiated~~ ~~in~~ ~~each~~ ~~of~~ ~~these~~ ~~two~~ ~~groups~~ ~~annually~~ ~~for~~ ~~the~~ ~~next~~ ~~four~~ ~~years.~~ Each ULP would be for a duration of 3 years.

~~of~~ ~~this~~ ~~number~~ ~~could~~ ~~be~~ ~~reviewed~~ ~~during~~ ~~the~~ ~~course~~ ~~of~~ ~~the~~ ~~Fifth~~ ~~Plan~~ ~~period.~~

II Refresher Courses/Short-term 'Institutes'

These Institutes would be generally in the nature of the Summer Institutes so far organised by the Commission, but the universities would be enabled to organise such institutes at any time convenient to them throughout the year, preferably during the vacations. These institutes/refresher courses may be of four types:

- (a) University/State based institutes generally of six weeks duration: Individual universities or a group of universities within a State having affiliated colleges may be assisted to organise each year at least one institute each in a science subject and in a social science subject, depending upon the number of teachers in its affiliated colleges. Since the number of teachers and the number of

affiliated colleges in the different universities and States would vary considerably, provision may be made as follows in determining the number of institutes to be held each year:

- (i) one institute each in science subjects and social science subjects, if the total number of teachers in the subject in degree classes is less than 150;
- (ii) two institutes each in science subjects and social science subjects, if the number of teachers in the subject concerned in degree classes is between 150 and 400;
- (iii) three institutes each in science subjects and social science subjects, if the number of teachers as above is over 400.

On this basis, it is estimated that each year about 75 to 80 Institutes would be held each in (a) science subjects and (b) humanities and social science subjects.

Each such institute of about six weeks' duration may have 50 college teachers as participants. The UGC may provide a maximum grant of Rs.35,000/- for each such institute. Any extra expenditure should be met by the University/participating colleges.

(b) Refresher Course/Institutes through Correspondence Method.

The programme is intended mainly for the undergraduate college teachers for raising their qualifications and to give them subject-matter competence through correspondence course so as to enable them to become better teachers. The correspondence course may be organised in inter university collaboration basis in each state. The course material to be sent to the participating teachers may be prepared by combined efforts of the subject departments concerned in the State/the universities. But the responsibility of coordinating the work to cover the entire population of college teachers in that subject in the State would be entrusted to one of the departments of the collaborating universities in the State.

Besides the provision of courses through correspondence, over one academic year, the participating teachers may be required to have about 2-4 weeks' contact classes and laboratory work in the form of a short-term institute to be organised by each of the participating departments of the universities in the State for the benefit of the teachers coming from the colleges affiliated to that particular university. The programme of Faculty Improvement through correspondence courses may be viable in such subjects where the number of teachers to be covered is 250 or more in a particular State. The universities may organise correspondence courses for one year or in a sequential manner covering 1-3 years depending upon ins convenience and the facilities available. The contact programme of 2-4 weeks

would provide the college teachers a forum for discussing their difficulties and for additional seminars, lectures and practical work.

The estimated expenditure on preparation of course materials etc. to be sent to the participating teachers may be about Rs.5,000/- in a particular subject and the expenditure for the organisation of a contact class of 2 or 4 weeks' duration may vary from Rs.15,000 to Rs.25,000 per annum.

(c) All India Advance Level Institutes.

The All-India Advanced Level Institutes would enable teachers from universities/colleges from different regions to avail themselves of the opportunities for getting acquainted with the latest developments in the subject concerned through lectures, seminars, discussions and possibly through project work. One or two such All India Advanced Level Institutes may be organised in each major subject annually. It would be desirable for a college teacher to participate at the advanced level institute after he has attended at least one institute organised in his State by his University. The total number of participants in an all India advanced level institute may be limited to 50 and the duration may be about six weeks. The participants from university departments in such all India advanced institutes should not exceed 25 per cent and such university teachers may nor may not have attended summer institutes etc. earlier. The location of the all India advanced level institutes can be determined on a regional basis to be organised in universities (affiliating or unitary), IITS and other institutions of National importance.

About ten such advanced level institutes of six weeks' duration may be organised annually in science subjects and an equal number in Humanities including Social Sciences. The organisation of an advanced level institute of six weeks' duration may involve an expenditure of Rs.60,000/- to Rs.70,000.

(d) About ten Institutes in English Language Teaching may be organised each year for the benefit of teachers of English in the colleges. The English language Institutes may be of 6-8 weeks' duration to be located in different regions so as to cover as many college teachers as possible region-wise. Out of ten such institutes to be organised in each year, 2-3 may be of an advanced level on an All India basis for specialised purpose. The estimated cost for each regional institute may be about Rs.30,000 to Rs.35,000 and that of an all India advanced level institute about Rs.60,000 to Rs.70,000.

### III. Teacher Fellowships.

Teacher Fellowships are specifically meant to provide opportunities for teachers to work towards either an M.Phil. or M.Litt. or Ph.D. degree. Accordingly, the teacher fellowships may be of two types :

- (a) short term fellowship of one year's duration: and
- (b) long term fellowship of a duration not exceeding 3 years.

as The persons to be nominated and selected for long term teacher fellowships should preferably be below the age of 35 years so that the benefit of their training would be available for a long duration. In the case of short term fellowships of one year duration, preference may be given to teachers who are below the age of 45 years. Such teachers for either the long term or short fellowships should be sponsored by the colleges, which should protect their total emoluments for the period of their deputation and also give them necessary increment due and give an undertaking that such teachers would be taken back to their substantive posts without affecting their seniority etc. The teachers may be required to give an undertaking to serve such institution for a period of at least five year on their return to the college. Similarly, in the case of teachers nominated for one year teacher fellowships, the college should give the same terms as for long term teacher fellowships. The teacher may be required to give an undertaking that he would serve the institution for a minimum period of three years on his return to his substantive post. In either case, the UGC would provide funds to the college concerned for appointing suitable substitutes in place of teachers nominated for these fellowships. The Commission would also provide to the teacher concerned a living expense allowance of Rs.250 per month, provided the teacher undertakes to utilise the fellowships in a university not located in his normal place of duty.

should For both these categories of fellowships, a number of university departments and other research institutions should be recognised as approved institutions. The number of teacher fellowships either long term or short term to be accepted by any one of the designated departments to be identified for the purpose would be about 50 covering all subjects. The selection of the teachers would be made by the departments concerned on the basis of the nominations to be received by them. Such departments may be assisted with a contingency grant of Rs.1,000 time and to Rs.2,000 per annum per teacher fellowship. the number of such IV National Associateships. department

The present scheme of national associateships provides for 200 persons to be maintained on the roll of national

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associateships for a period of five years and provide for each national associate an opportunity of visiting other institutes upto three times. each visit of a duration not exceeding three months.

In addition to this long term national associateship programme, short term national associateship programme may be initiated wherein teachers may be selected for a single visit during a year to work in any of the universities/research institutions having specialised facilities connected with their research work over a period of 8 to 12 weeks.

Annually 100 such associateships may be awarded and the fellows be required to complete their visit within a period of 12 months from the date of selection. The other requirements and financial provisions of the short term national associateship programme would be the same as in the case of the present national associateship programme.

#### Operational Procedure.

The programme stated above have been suggested to provide to the teachers in colleges a wide variety of opportunities for improving their qualifications and competence and for the exchange of ideas through group discussions. The organisation of an all India advanced level institution in English Language Teachings, and national associateship will be the responsibility to be taken up centrally. In the implementation of programmes like University Leadership Projects, Teacher Fellowships (after identification of the departments/universities) efforts may be made to decentralise the organisational aspects giving considerable autonomy to each university. The university concerned would be required to set-up a suitable machinery for coordinating the organisation of various types of programmes under Faculty Improvement.

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Appendix V to the minutes  
of the UGC meeting held on  
9-10 December, 1975 (ter

Projects recommended by the Panels for  
assistance under the scheme 'Support for  
Advanced Research.

Sl No.	Name & Designation of the Investigator.	Title of the proposed work/duration	Financial assistance recommended
<u>SUBJECT - LAW</u>			
1.	Mr. M. Ghose, Prof. of Law, S.V. University	Ceiling on agricultural property in Andhra Pradesh	Books, Journals F.W. Cont. 5,000/-
<u>POLITICAL SCIENCE/PUBLIC ADMINISTRATION</u>			
2.	Mr. C.A. Perumal, Prof. & Head of Pol. Science Deptt. Madras Univ.	Socio-political ideas of perior E.V. Ramaswami Naicker (2 years)	1 Res. Asstt. F.W. Books & Journals other exps. 20,000/-
<u>ECONOMICS</u>			
3.	Dr. C.D. Singh,, Prof. & Head of Commerce Bhagalpur Univ.	The impact of bank financing of agriculture in the Distt. of Bhagalpur (1½ years)	Res. Asstt. 1 Investigators 4 Steno-Typist F.W. Questionnaire 45,000/-
4.	Dr. M. Sebastian, Prof. & Head of Economics St. Joseph's College Tiruchirappalli	Correlation between prices & production in agriculture in the districts of Tanjore, Tiruchi & Pudukkottai of Tamilnadu (3 years)	Clerical Assistance T/FW other exps. Books & Journals Stat & Postage Frt. of questionnaire equipment others 56,000/-
<u>SOCIOLOGY</u>			
5.	Dr. S.R. Choudhury, Principal, Marwari College, Bhagalpur	The socio-economic condition of workers employed in the Tassar, Silk & Dyeing Industry of Bhagalpur City in Bihar (2 years)	2 Investigators Stationery Equipment Books Printing of questionnaire 12,000/-

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SANSKRIT

6. Dr. E.R. Sreekrishna  
Sarma,  
Prof. & Head of Sanskrit  
Deptt. S.V. Univ. Sankara Kosa. Books, Journals, 25,000/-  
1 Res.Asstt.

ORIYA

7. Dr. G.C. Misra,  
Prof. & Head of the  
Dept. of Oriya,  
S.V. Univ. Bibliography of Oriya 1 Res.Asstt. 10,000/-  
periodicals of one hundred Books  
years 1850-1950) and its Journals  
socio-cultural impact on F.W.  
Orissa (2 years)

LINGUISTICS

8. Karumuri V.  
Subbarao,  
Reader in Ling.  
Delhi Univ. India as a Lingui- Resch.Asstt. 65,000/-  
stics Area-study in  
linguistics and Work shop  
sociolinguistic Travel & Hospit  
typology (3 years) Honorarium  
Miscs. conti-  
gency head

9. Dr. R. Sudarsanam  
Assoc. Prof. of  
English & Head  
of Ling. Deptt.  
Agril. Univ.  
Tamil Nadu A comprehensive study  
of the linguistic  
Treatment of Message  
in oral and written  
communication in Tamil  
by scientists by AIR  
TV and print for  
purposes of extension  
education and formal  
education (3 years) 1 Res.A. 10,000/-  
F.W.  
Books &  
Journals.

HINDI

10. Prof. S.T. Narasi-  
mchari Head of Deptt.  
of Hindi, S.V. Univ. Encyclohaedis of 1 Res. Asstt. 20,000/-  
Western literary  
terms in Hindi Books Journals  
Stat. Misc.





Appendix VI to the minutes of  
meeting of the UGC held on 9-10 Dec., 1975  
(Item No. 18)

Teachers recommended by the Panels for second award during 1974-75 under the UGC Scheme of Financial Assistance to the Teachers in the Universities and Colleges for undertaking Short Term projects in the Humanities and Social Sciences.

S.No.	Name and Designation of the Teachers	Title of approved work	Amount Recommended	Purpose	% of grant recommended to the demand made by the Teacher	Remarks
1	2	3	4	5	6	7
<u>LAW</u>						
1.	Sh.S.S. Singh 37 years Lecturer T.R.S.Govt. College, Rewa(A.P.Univ.)	The law of intervention with special reference to Bangladesh (for Ph.D.)	2,500/-	Books Journal & F.W.	40%	
2.	Shri K.S.Rao, 33 years, Lecturer Evening College of Law. Hyderabad (Osmania Univ.)	Application of the rules of natural justice in disciplinary proceedings against students	3,500/-	Books & F.W.	78%	
<u>POLITICAL SCIENCE</u>						
3.	Sh.Moin Shakir 32 years Lecturer Marathwada Univ.	Political outlook of the student leaders of Marathwada	2,000/-	F.Work & Questionnaire	100%	
4.	Dr Kedar Nath Agrawal, Lecturer K.S.Saket P.G. College, Faizabad (Gorakhpur Univ)	Centre State Relation - Legislative and Administrative set up in 2 or 3 States under presidents rule - A case study (1950-356)	5,000/-	Books & F.Work & Comp.Work	100%	
5.	Sh.S.N. Darye 26 years Lecturer S.B. College of Arts & Commerce, Aurangabad (Marathwada Univ)	Politics of Marathwada : A study of Political development from 1948-1972 (for Ph.D.)	1,500/-	Books, F.Work	50%	

1	2	3	4	5	6	7
1.	Sh. R.N. Mishra, Lecturer Rajendra College, Bolangir (Sambalpur Univ)	The patterns of political Development of Orissa since 1952	2,000/-	Books F. Work	100%	
2.	Dr. M.M. Rahman, Lecturer Silver Jubilee Govt. College, Kurnool (S.V. Univ)	Regionalism and caste in Indian politics - A case study of Andhra Pradesh	5,000/-	Books F.W. questionnaire	100%	
3.	Sh. Vinod Sethi Lecturer, ARSD College, Delhi (Delhi University)	Judicial Attitude towards the freedom of the press (for Ph.D.)	2,000/-	Books & Journals & FW	40%	
4.	Sh. S.K. Sharma, Lecturer, PGDAV College Delhi (Delhi University)	Changing political structure in a district (for Ph.D.)	3,000/-	Books & FW	85%	
5.	Sh. N.D. Mrigendra Lecturer, Dibrugarh University	Organisation and working of the education deptt. in Assam (1921-1937) A study of its decision making process	2,000/-	Books F. Works.	100%	
6.	Sh. Gopal Singh Asstt. Prof. Himachal Pradesh University	Etiology of Political violence a case study of Gujarat & Bihar (comparative)	2,000/-	Field work	40%	
<u>PUBLIC ADMINISTRATION</u>						
7.	Sh. S.R. Kakade Lecturer, GRI College, Ambajogai (Maharashtra)	Difficulties of Sch. Castes in the integration of our Society	5,000/-	Books F.W. Comp.	100%	
8.	Sri K. Murli Manohar Lecturer, KM Arts & Sc. College, Warangal, (Osmania Univ)	Municipal administration in Andhra Pradesh - a case study of Warangal Municipality	2,500/-	F. Work & Books	55%	

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 1 ..... 2 ..... 3 ..... 4 ..... 5 ..... 6 ..... 7 .....

14. Dr. Ravindra Sharma, Lecturer, Rajasthan Univ.	Recruitment training and promotion of village level workers in Rajasthan	2,000/-	Books & Journals F.W. and questionnaire	90%
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LIBRARY SCIENCE

15. Sh. N.B. Pangannaya Lecturer, Mysore University	Provision and utilisation of Library facilities by the students and teachers in colleges in South Kanara Dist. in Karnataka State.	2,500/-	Questionnaire & F.W.	50%
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16. Miss K. Navalani Reader, Punjabi Univ.	College Library standards in the Punjab	2,500/-	Books Journals Questionnaire & F.W.	50%
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JOURNALISM

17. Sh. S.R. Jagtap, Lecturer, Poona Univ.	Role of TV in Community Development	2,000/-	F.W. and Questionnaire	100%
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COMMERCE

18. Sh. Mossa A Baker, Lecturer, Calicut Univ.	Role of small scale industries in the economic development of Kerala (for Ph.D)	5,000/-	Books F.Work & Comp.Work	75%
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19. Sh.V.S. Agrawal Lecturer, Jodhpur Univ.	Financial management in mgt. small industries - a study in working capital management with special reference to industrial estates in Rajasthan (for Ph.D.)	1,500/-	Books, F.Work	100%
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20. Sh.R.K. Tandon, Associate Prof. of Business Management (Punjab Agril, University)	Marketing innovations in selected companies (for Ph.D.)	3,000/-	F.W.	100%
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21. Sh.P. Murali, Lecturer, S.V. Univ, College, Triupati	Financial Management in cooperative and private sugar Mills in Andhra Pradesh (for Ph.D.)	3,000/-	Books, F.Work	62%
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1	2	3	4	5	6	7
22.	Sh. J.D. Singh, Lecturer, Bhagat Singh, College, Delhi.	Marketing planning a comparative study of public and private sector in India, (for Ph.D.)	3000/-	Books Journala Questionnaire	60%	
23.	Sh. V. Kumar, Lecturer, S.R. College of Commerce, Delhi	Inter-corporate investments in India, (for Ph.D.)	1,500/-	F. Work Questionnaire	Study consult Company Law books for other relevant literature.	
24.	Sh. H.V. Joshi, Lecturer, Kanya Mahavidyalya Sangli, (Shivaji Univ)	Managorial problems of engineering small-scale industrial units in Sangli Dist.	1,150/-	F. Work & Questionnaire	100%	
25.	Sh. R.N. Misra, Principal, College of Accountancy and Management Studies, Cuttack, (Utkal University)	Problems of rural industrialisation in the small scale sector in Orissa- a study of pilot project companies & Panchayat sector industries (for Ph.D.)	5,000/-	Books & F.W.	66%	
26.	Sh. A.G. Patrudī Lecturer, Ravinshaw College, Cuttack (Utkal University)	Developments in disclosures of information in published statement	1,000/-	F.W.	25%	
27.	Sh. B.L. Varshney, Lecturer, Govt. Coll, Shahdol (APS Univ.)	Rewa Sambhag main sahari vipnan (Sheidol) zile ke sandharath main (for Ph.D.)	2,000/-	Books F.W. & Computation	50%	
<u>ECONOMICS</u>						
28.	Sh. G. Dasaradha Rama Rao, Associate Lect. Andhra Univ.	Rural Unemployment (for Ph.D.)	3,000/-	Field work & Questionnaire	66%	
29.	Sh. G. Subrahmanyam Lecturer in Commerce Andhra University	A study of financial Administration of Andhra University (for Ph.D.)	1,500/-	Books & Questionnaire	33%	
30.	Sh. A. Chakraborty 35 years, Lecturer Jadavpur University	Econometric estimation of Rail & Road Transport cost function for the Indian Economy	4,000/-	Books, F. Work & Comp. work	80%	

1	2	3	4	5	6	7
31.	Sh. Misar Ahmad, Lecturer, Kashmir Univ.	Problems & Prospects of small scale & cottage industries in Kashmir (for Ph.D.)	1,000/-	Books, F.Work	66%	
32.	Sh. Harbhajan, Singh Bal, Field Officer, Panjab Agril. Univ. Ludhiana	Impact of new technology on the distribution of agricultural income in Panjab (for Ph.D.)	3,000/-	Books F.W.	75%	Provided he is doing teaching work.
33.	Sh. N.S. Azad, Lecturer, Punjabi Univ.	Small farmers in Panjab- a study of production constraints & Potentialities	5,000/-	Books F.W.	99%	
34.	Sh. P.J. Acharya, Lecturer A.M.A.L. College Anknapalli, (Andhra Univ.)	Long-term finance and agricultural develop- ment (for Ph.D.)	4,000/-	F.W. & C.W.	80%	
35.	Sh. V.K. Jain, Asstt. Prof. in Commerce, SSIFG, College, Vidisha (Bhopal University)	A study of costs and returns on selected farms in Vidisha Distt. (M.P.) (for Ph.D.)	1,000/-	Books & Reports	66%	
36.	Sh. S.S. Bhunia, Sr. Lecturer & Head, Tamralipta Mahavidyalaya, P.O. Tamruk, Distt. Midnapur (W.B.)	Betel-vine cultivation in West Bengal-Position, problems & Prospects	3,000/-	Books F.W.	60%	
37.	Dr. G. Bhattacharya Sr. Lecturer, Women's College, Agartala, Tripura, (Calcutta Univ.)	Refugee rehabilitation & its impact on Tripura's Economy (for Ph.D.)	1,000/-	Books F.W.	100%	
38.	Dr. Mukh Lal Singh Lecturer, Ranchi University	Unemployment in rural areas of Jharkhand (Bihar)	3,000/-	Books F.W. & C.W.	60%	
39.	Sh. A.K. Sen Gupta Lecturer St. Paul's Cathedral Mission College, Calcutta (Calcutta Univ)	Analysis of income distribution in a multi sector model Indian Empirical Exploration	2,000/-	Books F.W. & C.W.	99%	

1	2	3	4	5	6	7
40.	Sh. M.W. Hanif, Sr. Lecturer & Officiating Head, D.B.S. College Dehradun (Garhwal Univ)	Some aspects of planning & programming for Economic develop- ment in India since 1951 (for Ph.D.)	2,000/-	Books, Journals & F.W.	40%	
41.	Sh. N. Anantha- pedmaribhan. Principal & Sr. Professor in Geography, Muthurangan Govt. Arts College, Vellore (Madras Univ.)	The impact of planning on development of social services- A case study of Kanyakumari District (Tamil Nadu)	1,500/-	Books & <del>Journal</del> Questionnaire	60%	
42.	Prof. Shivshankar Mishra, Prof. Saraswati Bhuwan, College of Arts & Commerce, Aurangabad (Marathwada Univ)	A study of Monopoly procurement of cotton in Maharashtra	5,000/-	F.W. & C.W.	72%	
43.	Sh. Krishna Eknath Patil, Lecturer, CP & Bazar College, Nagpur (Nagpur University)	Timber Industry of Vidarbha since 1956-57 (for Ph.D.)	2,500/-	F.W. Books	83%	
44.	Sh. K.K. Kulk, Lecturer in Architecture, Visvesvaraya Regional College of Engineering Nagpur (Nagpur University)	the effect of socio economic conditions of cooperative housing consumer on the physical environment of cooper- ative Housing	3,000/-	F.W. Books.	60%	
45.	Sh. M.R. Shankarwar, Lecturer, Dr. Ambedkar College, Nagpur (Nagpur Univ.)	The untouchables (Scheduled Castes) in Vidarbha - A socio Economic Survey (for Ph.D.)	2,000/-	Books F.W.	42%	
46.	Sh. S.H. Ghoshdury, Lecturer, Diphu Govt. College, Diphu (Gauhati Univ.) Assam.	Role of agriculture in the economic development of the hill areas of Assam.	2,000/-	F.W. & Questionnaire	40%	

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SOCIOLOGY

47.	Sh. M.K. Rao, Associate Lect. Andhra Univ.	Social change and politics, in a fishing village of Penlakota Visakha-Patnam Di, A.P.	2,500/-	Books Journals & F.W.	50%
48.	Smt. P. Gupta, Lecturer, Gorakhpur Univ.	Socio-cultural aspects of differential fertility in Gorakhpur City (for Ph.D.)	2,000/-	Books, F.W.& C.W.	66%
49.	Sh. U.B. Bhoite, Lecturer, Marathwada Univ.	A study of intellectuall, role & life of college teachers (for Ph.D.)	1,500/-	Books & F.W.	100%
50.	Sh. J.C. Sharma, Lecturer, Tata Inst. of Social Scs. Bombay	Growth of Welfare agencies in greater Bombay	3,000/-	Question- naire CW & FW	75%
51.	Sh. P. Ramchandran, Reader, T.J.S. Scs. Bombay	Demographic correlates of urban communities by size.	3,000/-	C.W. F.W. & questionnaire	66%
52.	Dr. O.P. Garg, Head of the Deptt. Vardhaman College, Bijnor (Agra Univ.)	Political affiliation of workers in an industrial City.	1,500/-	Books F.W.	98%
53.	Sh. K.P. Khare, Lecturer, Govt. Degree College, Sidhi (MP) (A.P.S. University)	A study of continuity & change among scheduled caste community with special reference to Rewa Dist. of M.P. (for Ph.D.)	3,000/-	Books, F.W.	55%
54.	Miss R. Kshama, Psy. Social Worker, All India Inst. of Mental Health, Bangalore	Incidence of Drug addictions among college students in Bangalore.	2,500/-	Question- naire & F.W. F.W.	71% she is a teacher
55.	Sh. V.G. Pendharker Indore Christian College, Indore (Indore Univ.)	Occupational aspriation of students (for Ph.D.)	2,500/-	Books, F.W. & Questionnaire	80%

2	3	4	5	6
6. Mrs. K.V. Muley, Saraswati Bhawan College, Aurangabad, (Marathwada Univ)	Muslim attitudes towards Hindus - a Socio Psychological study of a muslim minority community in Aurangabad	2,500/-	Books & F.W.	100%
7. Dr. A. B. Saran, Reader, & Head Anthropology Deptt. Ranchi College, Ranchi (Ranchi Univ)	Impact of special privileges granted to scheduled castes in the district of Nawada (Bihar) since independence	3,000/-	Books F.W.	60%
8. Sh. V. C. Jain, Lecturer, Madhav College, Ujjain (M.P.) Virkam Univ.)	Socio-economic conditions of Digambar Jains in Malwa (for Ph.D.)	1,500/-	Books & F.W.	100%
9. Sh. M. L. Chauhan Field Guide, Vidya Bhawan Rural Instt. Udaipur (Udaipur Uni.)	Forms of exploitation and social inequality at village level (for Ph.D.)	2,500/-	Books, F.W.	35% subject to his being a teacher
<u>Sanskrit</u>				
10. Dr. P. Sriramanamurti Reader Andhra Univ.	Contribution of Andhra to Sastras in Sanskrit.	2,000/-	Books, F.W.	40%
11. Sh. S. C. Chakrabarti, Lecturer, Rabindra Bharati,	The rules for inter- pretation (Paribhasa) of the Smritasutra (for Ph.D.)	1,000/-	Books,	33%
12. Sh. S. Bhattacharya, Lecturer, P. B. College, Calcutta (Calcutta Univ.)	Law of contract with special reference to sale and partnership in ancient India (for Ph.D.)	800/-	Books, & Journals	92%
13. Km. Rani Sharma, Lecturer, DAV College, Hassangarh, (Kurukshetra Univ.)	Vratas in the Smrities and the Purans.	1,000/-	Books	20%
14. Dr. G. N. Rajguru Reader, Panjab Univ.	A critical study of Paras Bhag (M.S.)	2,000/-	Photo copies & F.W.	40%
15. Dr. Durga Vishwanath Dixit Lecturer, Poona Univ.	Hindi Plays staged by the Marathi Theatrical companies (1850 to 1940)	1,500/-	F.W. & Books	50%



	2	3	4	5	6
66. Sh. P.K. Annamma Lecturer M.E.S. Kalladi College P.O. Palghat (Calcutta Univ.)		The concept of devotion in Hindu & Xtian Philosophy with special reference to Meera Bai and St. Little Flower (for Ph.D)	2,000/-	Books & F.W.	40%
67. Sh. B.D. Lal Lecturer Jagjivan College Gaya Magadh University		Hindi Journalism during the period of Bhartendu' (from 1850 to 1900)	1,000/-	-do-	33%
68. Sh. G.P. Joshi Lecturer Nagpur Mahavidyalay Nagpur (Nagpur Univ.)		Mauritious main Hindi Bhasha aur Sahitya ke/Sarvekshan/Vikass (for Ph.D.)	1,000/-	-do-	48%
69. Dr. Jia Lal Handoo Sr. Lecturer Govt. College Hoshiarpur (Panjab Univ.)		Ahindi Bhashi Kashmir ke Hindi Kavi	2,000/-	-do-	50%
70. Sh. Raghunath Vasudeo Bivalkar, Lecturer PNG Arts, JDE Commerce & NSC Science College, Nasik Road, Poona (Poona Univ.)		Rao Gulabsinha and his hindi literature(for Ph.D.)	1,000/-	-do-	100%
71. Sh. M.M. Jawliya Lecturer Govt. College Bhilwara (Rajasthan Univ.)		Hindi Bhasha aur Sahitaya ke Vikas main Arya Samaj ki Patra-Patrikao ka Yegdan (for Ph.D)	1,000/-	-do-	76%
<u>ENGLISH</u>					
72. Sh. S. Marathe Lecturer (Poona Univ.)		Work book containing practical exercises for students of Modern English structure (including Language Syntax, Spoken English)	1,000/-	Stationery	20%
73. Dr. (Mrs.) A.T. Bhatia Lecturer Lakshmbai College (Delhi Univ.)		Preparation of a work-book for the teaching of writing in English on the basis of students errors at the under-graduate level	600/-	Stationery & Questionnaire	50%

1	2	3	4	5	6
74.	Dr. G. Nageshwara Rao Lecturer S.V. University	Existential Angst in Modern Drama	2,000/-	Books & Journals	45%
<u>APATHI</u>					
75.	Dr. P.B. Mande Reader Marathwada Univ.	A study of Folk Deities and rituals	2,000/-	Books & Journals	50%
<u>MAIAYAIAM</u>					
76.	Sh. P.M. Joseph Lecturer St. John's College Anchal, P.O. Kerala (Kerala Univ.)	Prakrit Loan words in Malayalam (for Ph.D.)	1,200/-	-do-	30%
<u>TAMIL</u>					
77.	Sh.N. Ramalingam Asstt. Prof. Yadava College Madurai (Madurai Univ.)	Critical Study of Kanda- puranam (for Ph.D.)	2,000/-	Books, Journals & F.W.	40%
<u>TELVUGU</u>					
78.	Sh. D. Sivaramanurti Lecturer V.S.K. Govt. College Visakhapatnam (Andhra Univ.)	A critical study of Sivabharatam (for Ph.D.)	500/-	Books	100%
79.	Sh. M.R. Rao Asstt. Lecturer Govt. College Razole (Andhra Univ.)	A critical assessment of Srisris poetical works (1925-70) (for Ph.D.)	1,000/-	Books	66%
<u>UDDU</u>					
80.	Smt. H. Riaz Lecturer Nagpur University Nagpur Univ.	Mohammad Ali Johar - His life and Shairi (for Ph.D.)	2,000/-	F.W.	40%

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81. Dr. A.N. Shaikh  
Asstt. Prof.  
Wadia College  
Poona(Poona Univ.)      Influence of Bedil on Urdu  
Poets.      2,000/-      F.W.      40%  
Books

LINGUISTICS

82. Sh. Mirza Akbar  
Ali Baig  
Tutor in Urdu  
Govt. City College  
Hyderabad(AP)  
(Osmania Univ.)      Mirza Abi Lutf-Life and  
Works      2,000/-      -do-      50%

LINGUISTICS

83. Dr. G.J. Roy  
Director  
Madurai Univ.      A description of the language  
of the Palliyas in Tamilnadu      2,500/-      F.W.      100%  
& Tapes

84. Sh. S.N. Salgarkar  
Reader  
Poona Univ.      Fabrication of Pitch extractor      5,000/-      equip.      100%

85. Sh. D.M. Joshi  
Reader  
Poona Univ.      Social & Regional Linguistic  
variations of coastal Saurashtra      5,000/-      F.W.      100%

86. Sh. P.B. Rao  
Res. Associate  
Poona Univ.      A detailed analysis of the Kuvil  
languages      4,500/-      F.W.      95%  
Equip. Subject  
to being  
his a  
teacher

87. Dr. R.P. Saxena  
Lecturer  
Nagpur Univ.      A descriptive Grammar of Momin  
Dialect of Nagpur District      1,200/-      F.W.      24%

88. Smt. D.A. Vandatt  
Lecturer  
S.G. University      A study of English as used in  
in economics (for Ph.D.)      3,500/-      Books      100%

89. Dr. V. Prakasam  
Lecturer  
Univ. College of Arts,  
& Commerce(Osmania Univ.)      A linguistic Analysis of C.  
Narayana Reddy's Writings  
(in Telugu)      2,000/-      Books  
&  
Journals      100%

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HISTORY

90.	Dr.(Mrs.) S. Gokhale Lecturer Deccan College Poona	The study of the inscription at Kanheri (Near Bombay)	2,000/-	F.W.	100%
91.	Dr. S.P. Sangar Reader Panjab Univ.	Indian Textiles in the 17th centurary	3,000/-	Books & F.W.	60%
92.	Lt.Col. M.G. Abhyankar Reader & Head of the Deptt. of Defence Studies, Poona Univ.	Evolution of warfare under the Marathas (1645-1680)(for Ph.D.)	3,600/-	F.W. Photo- graphs & Maps	100%
93.	Sri J.B. Pawar Lecturer G.K.G. College Kolhapur (Shivaji Univ.)	Chhatrapati Rajaram and the Maratha State (for Ph.D.)	2,000/-	Books & F.W.	37%
94.	Dr. S.N. Sen Head Vidyasagar College for Women, Calcutta (Calcutta Univ.)	Decline and fall of the Marathas Empire (1796-1813) in two volumes	2,000/-	F.W.	40%
95.	Sh. M.K. Manchanda Lecturer Evening College Jullundur (Guru Nanak Univ.)	India and America : A study of Indian Press Opinion of American Neutrality - 1914-1917(for Ph.D.)	2,500/-	Books & F.W.	62%
96.	Dr. S.B. Singh Lecturer Kurukshetra Univ.	History & Archaeology of <del>the Gupta Dynasty</del>	2,500/-	F.W.	84%

PSYCHOLOGY

97.	Dr.(Mrs.) Meera Verma Lecturer Allahabad Univ.	Development of Aggression in children	2,500/-	Test material	50%
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98.	Sh. S.S. Nathawat Lecturer Kurukshetra Univ.	A comparative study of mental health in creative and non-creative adolescents (for Ph.D.)	2,500/-	Test material Books	50%
99.	Sh. R.D. Helode Lecturer Nagpur Univ.	Retrocative interference as a function of personality dimensions (for Ph.D.)	3,000/-	Books & Tests	60%
100.	Prof. V.K. Kothurkar Prof. of Psychology Poona Univ.	adaptation of the torrance test of creative thinking	4,900/-	F.W. & Printing	100%
101.	Mrs. P.R. Girija Lecturer Univ. of Agril. Sc. Bangalore	Prediction of academic achievement from non-intellectual variables by using discriminant analysis	2,500/-	Compt. work & questionnaire	55%
102.	Sh. B.B. Asthana Lecturer St. John's College Agra(Agra Univ.)	Effects of maternal separation as a function of age and prefrontal lesions in free ranging rhesus monkeys.	5,000/-	Books, Animals & F.W.	100% subject Dr. S.D Singh *
103.	Sh. G.P. Thakur L.S. College Muzaffarpur (Bihar Univ.)	Development of a personality inventory to measure psych-sexual development	3,500/-	Books & F.W.	70%
104.	Sh. G.P. Choudhary Lecturer L.S. College Muzaffarpur(Bihar Univ.)	Patterns of attitude towards Gandhism (for Ph.D.)	3,000/-	Books & Journals	60%
105.	Sh. B.S. Tripathi Reader & Head D.J. College Baraut (Meerut Univ.)	Scholastic achievement as a function of intelligence creativity and some personality factors (for Ph.D.)	2,000/-	Books & Tests & F.W.	80%
106.	Smt. Kasturi Jachuck Lecturer Utkal Univ.	Two level theory of mental abilities and cumulative deficit in culturally deprived children	5,000/-	Books, Tests, F.W. & C.W.	66%
107.	Smt. S.L. Sahu Lecturer Utkal Univ.	Effect of socio-cultural deprivation on linguistic abilities	4,500/-	Test & F.W.	90%
108.	Dr. C.C. Bhattacharya Lecturer Calcutta Univ.	Bengali Adaptation of Wisc and Wias	2,500/-	Equip- ment	25%

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EDUCATION

109.	Sh. A.S. Sethi Asstt. Prof. School of Education H.P. University Simla	A study of a programme in English spelling in relation to visual and auditory presentation (for Ph.D.)	3,000/-	Tests, Tapes & F.W.	47%
110.	Sh. H.C. Sharma Asstt. Prof. School of Education H.P. University Simla	A study of a programme in a segment of hindi morphology in relation to sequencing and prompting (for Ph.D.)	3,000/-	Tests Books F.W.	49%
111.	Dr. H.G. Desai Reader & Head Saurashtra Univ.	Perception of self and other as related to pressure group membership of college students in saurashtra	3,000/-	Books, F.W. & C.W.	75%
112.	Dr. P. Noronha Lecturer S.V. Univ.	Metaphysical concepts and educational views according to Indian Philosophy	500/-	Books & journals	83%

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113.	Sh. I.U. Trivedi, Lecturer, Shri R.Ranade, College of Edn. Borsaj (Gujarat University)	Use of branching variety of programmed learning material mathematics as diognostic and remedial tools (for Ph.D.)	2,000/-	FW &Tests	42%
114.	Dr.(Miss)M.M. Shah Prof. Smt. B.C.J.College, of Education, Khambhat (Gujarat University)	An investigation into the status of a teacher perceived by himself, the students and the community.	700/-	FW Books & qust.	85%
115.	Sh.D.Srivastava, Lecturer D.S. National Coll. Unnao (Kanpur University)	Curricular learning as function of stress under different motivational conditions(for Ph.D.)	2,500/-	Books, 50% Journals FW & Tests	
116.	Km.I.Franklin, Lecturer I.T.College, Lucknow, (Lucknow Univ.)	A study of organizational climate and teacher morale in colleges of education in Gujarat State (for Ph.D.)	2,000/-	Books, 60% FW & qust.	
117.	Sh.M.N.Verma, Lecturer, J.V. Jain College, Saharanpur (Meerut University)	The effect of intemittent reinforcement and extra- version on programmed instruction achievement (for Ph.D.)	2,000/-	Books, FW & Tests	100%
118.	Sh.G.R. Sharma, M.R.E.C. College, Khurja, (Meerut University)	An experimental study of the correlates of teachers performance in simulated teachers at secondary level (for Ph.D.)	2,500/-	Books, FW & C.W.	45%
119.	Sh.S.P. Nishra, Lecturer, Regional College of Education, Ajmer (Rajasthan Uni.)	A comparative study of high and low achievers in Science, Commerce and Arts on Creativity Intelligence and anxiety (for Ph.D.)	2,500/-	Books, F.W. & C.W.	55%
120.	Sh.M.L.Sharma, Lecturer,Teachers Training College, Bikaner,(Raj.Univ.)	A study in the development of teacher competencies of the B.Ed. students-teachers in the training college of Rajasthan.	1,500/-	-do-	60%

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121.	Sh.S.Singh, Lecturer V.B. Teachers Coll. Udaipur (Udaipur University)	Relationship between the teacher's personality teaching success and behavioural changes in students (for Ph.D.) <u>EDUCATION</u>	15,00/-	C.W.	100%	
122.	Sh.P.R. Naladkar, Lecturer, Govt. College of Education, Ratnagir (Bombay Univ.)	Basic vocabulary in Marathi of children of standards I and II (for Ph.D.)	2,000/-	F.W.& Books	40%	
123.	Sh. Suresh Chandra, Panth, Lecturer, Regional College of Education, Bhopal (Bhopal University)	A study of the impact of education on the Beliefs, Attitudes and Behaviour of Muria School going Children of Bastar.	3,000/-	Books, F.W.& Questionnaire	90%	
<u>PHILOSOPHY</u>						
124.	Sh.S.M. Shaha, Lecturer, Poona Univ.	A critical and comp- arative study of the Philosophy of Kunda, Kunda.	2,000/-	Books & F.W.	25%	
125.	Sh.B.R. Nimawat, Lecturer, Govt. College, Banswara (Raj.) (Rajasthan Univ.)	Truth and Error (for Ph.D.)	1,000/-	Books	16%	
126.	Dr. S.N. Roy, Lecturer, St. Columba's College, Hazaribagh (Ranchi Univ.)	Concept of Religion in contemporary western philosophy (for D.Litt degree of Ranchi University)	1,000/-	Books, Journals	62%	



Appendix VII to the minutes of the UGC  
meeting held on 9th and 10th Dec., 1974  
(Item No.2A).

1. The Commission generally reviewed its working over the past two years since the reconstitution of the Commission under the UGC Amended Act. The discussions mainly related to a self-assessment of (a) the achievements; (b) the weaknesses; and also (c) efforts to be made to overcome these weaknesses and difficulties. The functioning of the Commission was considered under the three major items viz., (a) policies and programmes; (b) implementation; (c) secretarial support. The Commission felt that, on the basis of this self-evaluation, it had been able to make substantial progress in matter of laying down both policies and programmes aimed at the regeneration of higher education in the country in the context of the V Plan; putting forward a policy of restricting unplanned growth of universities and colleges; bringing the concept of planning to universities and colleges, and preparing them for introducing new areas for study and research. The Commission, therefore, felt that while it could feel justified in its achievements and need not feel diffident, there was still a considerable part of its work to which the Commission had to devote its thought and action.

Programmes  
& Policies

2. During the past two years, the Commission has reviewed the various policies and programmes of higher education so far followed by the Commission upto the end of the fourth plan. It was felt that several of the programmes developed by the earlier Commissions were of importance and had helped in raising university and college standards and facilities, several of these programmes as well as policies needed modification and re-orientation in the present context keeping in view the objectives and goals of higher education during the V Plan period. This evaluation, re-structuring and re-orientation of the programmes, as well as procedures of implementation had been undertaken with the help of the various standing and ad-hoc committees and expert panels so as to ensure participation by a wide section of the academic community. At the same time, inadequacy as well as uncertainty of the resources created difficulties in the fuller implementation and effectiveness of the Commission's programmes. Yet another important limitation in the full effectiveness of the programmes of the Commission related to the managerial and administrative procedures prevailing in the university system.

3. A major policy decision taken by the Commission related to providing more support for university research and revision in the emoluments of the research personnel and the university academic staff so as to attract and retain the best talent available within the university system.

4. The Commission noted that, besides re-orienting the existing programmes so as to make them more effective and widespread over the university system, the Commission had been able, in the past two years,, to initiate several new activities also. The Commission had formulated guidelines for comprehensive and multi-dimensional development of the universities as well as the affiliated colleges. The guidelines, besides indicating the general objectives and philosophy to be pursued during the V Plan period, also set out certain important directions of growth and development so as to bring in within the next five years the necessary re-structuring, flexibility and autonomy in the functioning of the various institutions. These directions specifically related to (a) autonomous colleges, (b) re-structuring of courses of study in relation to regional or local (rural) relevance, (c) examination reforms, (d) development of postgraduate facilities outside the university headquarters; and (e) inter-institutional coordination and development..

Implementation 5. The Commission noted that the experience over the past two years had also brought out certain inadequacies and gaps or weaknesses in its functioning. One of the major weaknesses related to a) the means of communication with the academic community, and b) involvement of academics at different levels, both with regard to the formulation of programmes as well as implementation of the programmes at the institutional level. The proposed journal to be published by U.G.C. on higher education would serve as a vehicle for such communication and flow of information in both directions. It will also enable open discussion on important emerging academic issues and feedback on the impact of the various activities funded by the Commission. Such a dialogue with the academic community should prove useful to the functioning of the Commission. It was felt that the Commission should establish multi-channel communications with the academics, not relying exclusively on Registrar's offices as at present. Regional conferences, seminars, etc. on important issues can elicit a cross section of the views of teachers, students, educational administrators and others concerned with higher educational programmes in the country. A beginning in this direction has been made through the regional workshops, but these need to be considerably expanded.

6. It would also be desirable for the members of the Commission to establish channels of communications and dialogue with the universities and colleges in the region so as to bring to the notice of the Commission problems of regional significance. The Commission's programmes should then be flexible and capable of adjustment so as to respond to such regional needs.

7. Similarly, it would be necessary to have greater inter-action with the State Governments. Regional meetings with Vice-Chancellors, State Grants Committees etc. would be useful for the purpose, as well as discussion of State educational plans.

While emphasizing the need for R&D projects in universities, care should be taken that the infra-structure created in universities does not mean over-emphasis on consultancy to the neglect of basic research.

8. The Commission also felt that the machinery for decision making, both within the Commission as well as in the university system, should be sharpened so that decisions could be taken at the appropriate time without delay, and action initiated for implementing such programmes when the situation really warrants.

It was felt that the question of providing some training in management/organisational techniques to administrators/senior faculty members in universities could be studied further. Similarly, the Commission felt that there was greater need for coordination and inter-facing of related programmes taken up in sciences, humanities and social sciences, engineering and technology having common purpose, objectives as well as mechanism of implementation. This would have much beneficial results at the institutional end also. It would also help in a comprehensive view of higher educational problems rather than encourage a number of parallel, disparate activities without inter-action.

9. The Commission also felt it necessary to establish a convention by which the academic community who serve as members of various committees should be kept informed of the decisions taken by the Commission on the recommendations made by them and also the implementation and evaluation of these activities from time to time. This would bring to the members of such committees a greater sense of participation.

Secretariat.

10. As regards the internal organisation of the Commission's secretariat, it was noted that some concerted efforts had been made in the past two years to reorganise the work into various cohesive divisions keeping in view the problems of development of different regions, inter-university collaboration, similarity of programmes and activities, and to lay equal emphasis both on general development schemes as well as selected programmes which would help in the improvement of standards and quality of education. The re-organisation of the work had also brought to the surface the urgent need for further strengthening of the secretariat and provide to the officers sufficient time to engage themselves in specific studies either in relation to the regional needs or in respect of specific programmes. Such studies within the office would increase the efficiency of the functioning and effectiveness of the programmes. It was agreed that a Research Wing should be set up in the U.G.C., to engage in research on important educational developments such as curriculum reforms, evaluation techniques, monitoring of research programmes particularly with regard to the R&D activities in the universities. Such a Wing should be staffed by seconding persons from universities. If necessary, some of the existing staff could also be seconded to this Wing. The staff of this Wing may not have to deal with the other day to day work of the Commission. A suggestion was made that for this a certain number of floating posts (Research Officers) may be created and the recruitment made on a tenure basis depending upon the requirements at any given time.

11. It was agreed that a Documentation-cum-Evaluation and Planning Unit be set up in the U.G.C. and the details of this may be worked out by a Committee.

12. Early steps may also be taken for the appointment of a Director for Science Research Council and its supporting staff. The Director should be able to help establishment of inter-phasing between universities, research laboratories and also help in formulating R&D projects.

13. It was felt that considerable thought and attention had not been given so far to several other important activities which concern the Commission's functions during the V Plan period. One of them related to the student amenities and welfare programmes. This was to some extent due to paucity of resources so far and the inadequacy of financial allocations to the Commission during the V Plan period. It had not been possible to make larger inputs for development of students amenities, even in the matter of providing hostel accommodation. While some funds have been made available for students hostels, non-resident student centres, study centres, health centres, book banks and student aid funds, the present inputs in each of these programmes have been at a very sub-critical level. Unless funds of an optimum size or "threshold level" can be channelised for these vital activities affecting the student life in their most formative years, no appreciable impact is possible. It was noted that some of these programmes were presently under review and the results of such reviews would help the Commission in concentrating on some of these programmes and channelising available resources so as to derive maximum benefits. The Commission would also have to give some thought to facilities for Sports and Games in the Universities and Colleges.

(enterprises  
etc.,

14. The Commission also considered the desirability of UGC making efforts to mobilising resources from private organisations, foundations public in view of the limited allocations which the Government of India itself can make available for the various programmes to be taken up by the Commission during the V Plan period. In this direction, a view was expressed, that providing tax relief may act as an incentive for such philanthropic organisations to make donations to the Commission either for specified purpose or for general activities taken by the Commission. It was agreed that this may be taken up with the Government of India.

15. Yet another important activity which should be taken up by the Commission related to making available to the students and the teachers necessary tools which would include text-books of quality and good standard, other reading material, laboratory manuals and teachers guides, books and journals as well as educational aids required for effective class-room and laboratory instructions. The programme of preparation of university level books which was taken up by the Commission during the Fourth Plan period, as an earmarked programme with the funds provided by the Ministry of Education, has not been able to keep pace mainly due to lack of funds. Since the Commission itself has a major responsibility in this direction, it should undertake, from the funds available to it, the programme of production of books required for university level. The types and title

of books required could be assessed with the help of subject panels, both for purposes of eliminating the existing gaps as well as for production of books with relevance to national needs.

16. Over the past two years a beginning has been made to identify a few locations where examination reforms could be initiated. These institutions should serve as focal points of examination reforms and help establishing an effective net work and thus have a multiplier effect enabling other universities and institutions also to implement such reforms with confidence. It is true that any such reform programmes could have multiplier effect only where major institutions are involved and can share their experience with other institutions. The evaluation techniques developed by these centres and the Question Banks developed by them should be available for use widely. The Commission should obtain such materials and techniques so developed and make them available to other institutions and also help such institutions in implementing these reforms. The idea of 'question bank', which by its very nature has to be dynamic, will become acceptable to the extent it has enough flexibility to provide for the individual teacher's initiative also. The extent to which 'question banks' could be used as a source for different examinations would vary from institution to institution. The programme of examination reform should make it possible for any institution with a worthwhile programme to obtain support on the basis of critical assessment of the approach as well as the possible outcomes. The examination reforms can be expected to succeed most in situations where they are individualised in relation to the students and staff composition of the institution concerned and these could be further revised on the basis of exchange of experience of a large number of institutions implementing such reforms.

17. Similarly, the existing apprehensions about grading, on the basis of internal evaluation and new examination methods, could also be removed gradually by establishing acceptable norms for reliable grading of students performances. It may also lead to a practice of institutions giving detailed transcripts indicating the students performance in different subjects as against the present system of overall classification of students into divisions.

18. The Commission felt that since considerable part of the UGC funds are utilised by universities and colleges for construction of buildings for various purposes, the Commission should give sufficient thought to the kinds of buildings, norms, building materials, maintenance of buildings to ensure economy and better utilisation and keeping in tune with the local environments. An expert committee could look into these aspects and provide necessary guidelines for various construction programmes.

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting:

Dated: 10th February, 1975

Item No.2(a): To approve the action taken on certain matters.

.....

- (1) Recommendations of the Committee appointed by the University Grants Commission for selection of National Lecturers for the year 1974-75.

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The Commission invited nominations in respect of suitable scholars from universities, members of panels in Science, Humanities and Social Science subject and National Lecturers (1973-74) in order to select the National Lectures for the year 1974-75. Subsequently, a Committee consisting of the following members was constituted to consider these nominations and select scholars to be invited to participate in the programme for the year 1974-75:

1. Professor Satish Chandra,  
Vice-Chairman,  
University Grants Commission.
2. Professor B.M. Udgaonkar,  
Tata Institute of Fundamental Research,  
Bombay.
3. Professor M. Santappa,  
Director,  
Central Leather Research Institute,  
Madras.
4. Professor R.S. Sharma,  
Department of History,  
University of Delhi,  
Delhi-7.
5. Professor J.B. Chitambar,  
Principal,  
Allahabad Agricultural Institute,  
Naini, Allahabad.

The Committee met on 11th November, 1974. It felt that subsequent to the selection of National Lecturers there should be sufficient time at the disposal of the individual scholars participating in the programme to complete their assignment to visit universities for the purpose of delivering lectures and also to review the academic programme of the department concerned. The Committee also felt that generally a 12 month period from the date of issue of the printed bulletin, which gives details about National Lecturers, by the Commission may be made available to the National Lecturers to complete their programme of visits. The Committee has recommended 44 names against 30 places available in order to facilitate consideration of alternate names in case any of the scholars in the first priority list is unable to accept the invitation.

The minutes of the meeting of the Committee alongwith the names recommended by the Committee listed in order of preference is attached (Annexure). The scholars in the first priority list have been requested to accept the National Lecturership.

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(2) Award of Scholarships - M.Phil Courses at Meerut University.

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The Commission accepted the proposal of the Meerut University in the IVth plan period to provide 10 Scholarships @ Rs. 250/-p.m. in each of three divisions of the M.Phil Courses viz. Physical Science Division, Biological Science Division and Behavioural Science Division, on the basis of the recommendations of the IVth plan Visiting Committee.

The University Grants Commission on a reference from the Meerut University for providing assistance for the above mentioned scholarship during the Vth plan, has agreed to provide financial assistance towards the existing M.Phil Scholarships awarded in 1973-74, if the duration of such scholarships ends during 1974-75 subject to the condition that it will be a first charge on the Vth plan allocations (Spill over item).

- (3) Construction of Store Room for explosive Chemicals in Chemistry Building, Burdwan University.

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In April, 1972 the Commission accepted the proposal of the Burdwan University for the construction of a Store Room for explosives - Chemistry Building, within its overall Fourth Plan allocations. The University could not take up the project during the IVth Plan period and approached the Commission in June, 1974 to treat the project as a spill-over scheme.

The proposal of the Burdwan University for the construction of a Store-room for Explosives Chemicals - Chemistry Building at an estimated cost of Rs.35,998/- has now been accepted on the condition that the Commission's share on 50:50 basis will be limited to Rs.17,999/- and that this would be treated as Fifth Plan Scheme of the University.

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- (4) Visva-Bharati - Grant-in-aid for the purchase of furniture for the Library Building (Patha Bhavana).

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The Commission had earlier accepted the plans and preliminary estimates for the construction of Library Building (Patha Bhavana) for Children at the Visva-Bharati at an estimated cost of Rs.36,300/-, subject to the condition that the share of the Commission for the purpose would be limited to Rs.35,146/- as provided within the Fourth plan allocations or the actual cost of construction, whichever is less. The above amount of Rs.36,300/- did not include any provision for furniture. The Visva-Bharati subsequently approached the Commission for a grant of Rs.5,000/- for providing furniture for the above building. Since the amount asked for was covered within 20% of the approved civil cost, the proposal of the Visva-Bharati for the purchase of furniture for Library Building (Patha Bhavana) at an estimated cost of Rs.5,000/- was accepted, on the condition that this would be a first charge on the Fifth Plan allocations of the University.



- (5) Sambalpur University - Grant-in-aid for the purchase of living room furniture for the 2nd Boys' Hostel.

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In January, 1973 the Commission accepted the proposal of the Sambalpur University for the construction of 2nd Boys' Hostel at an estimated cost of Rs.5,83,600/- on the condition that the share of the Commission on this amount would be limited to Rs.2,91,800/- (i.e. 50% of the estimated cost). An amount of Rs.2,85,000/- has already been released to the university towards the above project.

In November, 1974 the Sambalpur University informed that the 2nd Boys' Hostel had been completed and occupied by the students and the university requested for a grant for the purchase of living room furniture.

Accordingly, the proposal of the Sambalpur University for the purchase of living room furniture for the 2nd Boys' Hostel has been accepted at an estimated cost of Rs.25,000/- (i.e. Rs.250/- per student for 100 students), on the condition that the share of the Commission for the proposal will be limited to Rs.12,500/- and the same will have to be accommodated by the university within its Fifth Plan allocations.

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- (6) Dibrugarh University - Appointment of a Professor in the Department of Chemistry - Fifth Five Year Plan.

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On the recommendations of the 4th Plan Visiting Committee, the Commission had sanctioned additional staff of one Professor, One Reader and three Lecturers for the Department of Chemistry at the Dibrugarh University. The posts of one Reader and three Lecturers were only filled up by the University during the 4th Plan period and the University could not fill up the post of one Professor, since no suitable candidate was available for this post. In September, 1974, the Dibrugarh University requested the Commission to permit the University to fill up the above mentioned post of Professor in the current plan. The proposal of the

University has been accepted, subject to the condition that this post will have to be accommodated by the University within its 5th Plan allocations. Assistance towards the salary of Professor will be provided to the University on 100% basis upto the end of the 5th Plan period i.e. upto 31st March, 1979 and thereafter this post will have to be maintained by the University/State Government.

- (7) Grant of higher initial salaries to the teachers against the posts approved by the Commission for Science/Humanities and Social Science Departments during the 4th Plan Period.

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The Calcutta, Gauhati, Dibrugarh and Utkal Universities had earlier forwarded the details of teachers selected by them for appointment against the different posts sanctioned for various Science, Humanities and Social Sciences Departments under the 4th Plan Development Schemes by the Commission on higher initial salary involving more than 5 advance increments. In view of the qualifications, experience and emoluments already drawn by these teachers and also in view of the recommendations of the selection committees of the universities concerned the appointments of the following teachers on a higher initial start in their respective scales have been accepted:-

S. No.	Name of teacher, designation department and University.	Starting salary offered	Grade	No. of increments recommended by the University.
1.	2.	3.	4.	5.
1.	Professor R.K.Poddar, Professor, Pure Physics Department, Calcutta University.	Rs.1480/-p.m.	Rs.1100-1600	Seven

1.	2.	3.	4.	5.
2.	Dr. Suryya Kanta, Barpujari, Reader, Chemistry Department, Gauhati University.	Rs.1000/-pm	Rs.700-1250	Six
3.	Dr. D.K. Singh, Reader, Geography Department, Utkal University.	Rs.1000/-pm	Rs.700-1250	Six
4.	Prof. K.N. Saikia, Professor, Law Department, Dibrugarh University.	Rs.1480/-pm	Rs.1400-1600	Seven
5.	Shri P.K.B. Nayar, Reader, Sociology Department, Dibrugarh University.	Rs.1000/-pm	Rs.700-1250	Six
6.	Dr. S.M. Dubey, Reader, Sociology Department, Dibrugarh University.	Rs.1000/-pm	Rs.700-1250	Six
7.	Dr. S. Swarup, Professor, Political Science Depart- ment, Dibrugarh University.	Rs.1480/-pm	Rs.1100-1600	Seven
8.	Dr. R.K. Mehrotra, Reader, Economics Department, Dibrugarh University.	Rs.1000/-pm	Rs.700-1250	Six
9.	Shri N. Goswami, Lecturer, History Department, Dibrugarh University.	Rs.640/-pm	Rs.400-950	Six
10.	Dr. D.K. Barua, Reader, English Department, Dibrugarh University.	Rs.1000/-pm	Rs.700-1250	Six

1..	2.	3.	4.	5.
11.	Shri Parag Chaliha, Professor, Assamese Department, Dibrugarh University.	Rs.1540/-pm	Rs.1100-1600	Eight
12.	Dr. S.N. Goswami, Lecturer, Assamese Department, Dibrugarh University.	Rs.640/-pm	Rs.400-950	Six

(8) Deoghar College, Deoghar (Bhagalpur University) - Financial assistance towards construction of Men's Hostel building.

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Under the 4th Plan scheme of Rs.3 lakhs for the development of undergraduate education in colleges the Commission in May, 1971 accepted the proposal of the Deoghar College, Deoghar for the construction of a Men's Hostel at an estimated cost of Rs.2,51,323/- with Commission's share being limited to Rs.1,18,321/- (on prorata basis) or 50% of the actual expenditure whichever is less. The College was requested to complete the project by 30.4.1972.

From the College no progress report of work and expenditure was received till September, 1974 the Commission's sanction for the project lapsed due to the non-implementation of the same within one year of its sanction and the college was informed accordingly.

In November, 1974 the college intimated that the trenches and seiling work on the project were completed before the lapse of one year of Commission's sanction and that further work on the project could not be carried out due to the reasons that the matching share for the project was not released by the Bihar Government and also that a temporary ban was imposed by the Commission on construction projects which had not gone beyond the plinth level.

On receipt of the matching share for the project from the State Government the college approached the Commission for the revival of its sanction to the project.

Under the above circumstances and also keeping in view the fact that the college had incurred some expenditure on the project before the expiring of one year of Commission's sanction the Commission has accepted the proposal of the Deoghar College, Deoghar to revive its sanction to the construction of Men's Hostel at an estimated cost of Rs. 2,51,323/- with its share as limited to Rs. 1,18,321/- or 50% of the actual expenditure whichever is less.

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- (9) Revival of Commission's sanction to the construction of Staff Quarters (20 nos.) at Dhenakanal College, Dhenakanal, Orissa, (Utkal University)

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The Commission accepted the proposal of Dhenakanal College, Dhenakanal, Utkal University, for the construction of 20 Staff Quarters at an estimated cost of Rs. 4,18,670/- on 50:50 sharing basis in October, 1971. In the absence of any Progress Report from the College, within one year from the date of approval of the project as required under the conditions governing the grant, the project stood lapsed and the college was informed accordingly on 1st October, 1974.

The Director of Public Instructions (P.E.), Orissa and the Principal of the college have informed that the project is now near completion (work is being done by the State P.W.D.) with the financial assistance from the State Government and requested for the revival of the project. The college, however, failed to send the progress reports though the work was in progress.

Keeping in view the position as explained by the Director of Public Instruction, Orissa, the sanction regarding the construction of staff quarters at an estimated cost of Rs. 4,18,670/- with Commission's share limited to Rs. 2,09,335/- or 50% of the actual expenditure, whichever is less, has been renewed and a grant of Rs. 1,90,000/- on the basis of the progress report has since been released.

- (10) Revival of the sanction for construction of Staff Quarters (25 nos.) at Vikram Deb College, Jeypore, Orissa (Berhampur University).

.....

In December, 1972 the Commission accepted the proposal of Vikram Deb College, Jeypore, for construction of Staff Quarters (25 nos.) at an estimated cost of Rs.4,13,926/- with Commission's share as Rs.2,06,962.50 or 50% of the actual cost whichever is less. As the project was not implemented within one year of Commission's sanction, it was considered as having been lapsed under the normal rules of the Commission. The Director of Public Instruction (Higher Education) Orissa, informed that in the case of Government Colleges, the construction works are undertaken by P.W.D. after completion of certain codal formalities which take a considerable time. In the light of the position explained by the Director of Public Instruction and in view of the fact that the college is a government college and the construction work is being executed by the P.W.D., it has been decided that Commission's sanction to the project may be revived subject to the same terms and conditions as were communicated to the college earlier.

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- (11) Revival of the sanction of University Grants Commission towards the construction of Staff Quarters (17 nos.) at Angul College, Angul (Utkal University).

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The Commission accepted, in July, 1973, the proposal of Angul College, Angul (Utkal University) for the construction of Staff Quarters at an estimated cost of Rs.5,47,091/- with Commission's share as Rs.2,65,000/- or 50% of the actual expenditure, whichever is less. The sanction of the University Grants Commission lapsed in October, 1974 due to its non-implementation within one year's time of its approval as per normal rules of the Commission.

On a clarification received from the Director of Public Instruction (Higher Education) Orissa, regarding the delay in the implementation of the project due to various procedural formalities, and also because, this is a Government College and the work will be executed by the State P.W.D., the Commission's sanction has since been revived subject to the terms and conditions as communicated earlier and also that the project will be completed within one year of the renewal of Commission's sanction. The decision to this effect has been conveyed to the college in December, 1974.

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- (12) North Eastern Hill University -  
Creation of teaching post.

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The Commission at its meeting held on 11th February, 1974 (item No.17) agreed to the creation of the posts of one Professor, two readers and four lecturers to enable the North Eastern Hill University to start the postgraduate classes in English w.e.f. October, 1973. The Commission also agreed to the creation of 14 Professorships to help the university to start the preparatory work on the establishment of various schools proposed by the university.

The Vice-Chancellor requested the Commission for the creation of more posts of readers and lecturers for starting various postgraduate courses in the university. Keeping in view the urgent needs of the university, the creation of 12 posts of readers and 15 posts of lecturers has been sanctioned for the courses already started by the university.

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- (13) Aligarh Muslim University - Construction  
of 36 quarters for Class Four Staff of  
Hospital attached to Medical College.

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The Commission had approved on 3.3.72 the construction of 36 quarters for class IV Staff of Hospital attached to Jawaharlal Nehru Medical College of Aligarh Muslim University at an estimated cost of Rs.3,32,600/- after CPWD scrutiny.

As the University did not start the work, the project attracted the provision of Circular No. 33-S/64(CD) Part-II dated 3.9.73 which inter alia imposed ban on construction works which were not started or the progress had not reached the plinth stage.

As the University had awarded the work to NBCC (a Public Undertaking) on 31.8.1973 before the issue of orders conveying ban on such projects on 3.9.73 and university had spent sufficient amount viz. Rs. 14,410/88 upto 30.6.1974 on the project, also keeping in view the inadequate number of staff quarters for Class IV employees as compared to the number of employees in service, the Commission agreed to the university undertaking the work.

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- (14) Nomination of a representative of the University Grants Commission on the General Council and Executive Board of the Indian School of Mines, Dhanbad.

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The Commission at its meeting held on the 3rd February, 1971 (Item No.42) agreed that Professor S.S. Saluja, Head of the Department of Mining, Banaras Hindu University may be the representative of the University Grants Commission on the General Council and Executive Board of the Indian School of Mines, Dhanbad.

The Indian School of Mines, Dhanbad has intimated that the term of Dr. S.S. Saluja expired on August 16, 1974 and has requested that the University Grants Commission may nominate its representative to serve on the General Council and Executive Board of the School for a further period of Five Years from August 16, 1974. Dr. U Aswathanarayana, Professor of Geology, Saugar University has been nominated as the representative of the University Grants Commission on the General Council and Executive Board of the Indian School of Mines, Dhanbad for a period of Five Years from 16-8-1974. The Indian School of Mines, Dhanbad and Dr. Aswathanarayana, Professor of Geology, Saugar University have been informed accordingly.

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- (15) Seminar in connection with the Celebration of 2500th Nirwan Mahotsav of Bhagwan Mahavira at Poona University.

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As recommended by the Advisory Committee on Seminar, Symposia etc. as well as the Conveners of the Panels in Humanities and Social Sciences subjects the Commission had earlier agreed to provide financial assistance to the universities of Karnatak, Udaipur and Viswa-Bharati for holding Seminars in connection with the Celebration of 2500th Nirwan Mahotsav of Bhagwan Mahavira.

In addition to these three universities, on a request received from the Vice-Chancellor, it has been agreed to provide a grant of Rs.5,000/- to the Poona University for holding a Seminar on Syadvada and Saptabhangi Naya to Celebrate the 2500th Anniversary of the Mahanirvan of Bhagwan Mahavira.

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- (16) Provision of Rs.95,000/- for furniture in the newly constructed building for the Department of Fine Arts, Institute of Technology, Banaras Hindu University.

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On the recommendation of a Visiting Committee the Commission approved the construction of a building for the Department of Fine Arts, Institute of Technology, Banaras Hindu University at the estimated cost of Rs.7,31,100/- including Rs.19,348/- for the furniture during the IV Five Year Plan. The building is nearing completion. The total cost of construction (Civil portion) is likely to be around Rs.5.4 lakhs. The Banaras Hindu University approached the Commission for sanctioning a grant of Rs.96,700/- for providing furniture in the newly constructed building.

While approving the original estimate for building a provision of Rs.19,348/- was approved for this purpose which was found to be adequate. The requirement of the University for furniture was found to be reasonable, and a revised provision of Rs.95,000/- has been approved. This will constitute as first charge of the V Plan allocation to the university for Engineering & Technology.

(17) Establishment of Examination Reform Units in the selected Universities.

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The Commission at its meeting held on 11th March, 1974 (Item No.7) considered the minutes of the Joint meeting of the U.G.C. Implementation Committee on Examination Reform with the conveners of the Examination Reform Committees of the 12 selected Universities along-with recommendations on the quantum of assistance to the 12 selected universities towards their examination reform programme. The Commission agreed to make available upto Rs.5 lakhs to each of the selected universities during the Fifth Plan period towards the implementation of the Examination Reform Programme. The proposals received from the following universities for assistance towards examination reform programme during the V Plan as detailed below have been accepted on condition that the Commission's assistance would be available upto Rs.5 lakhs for the period ending 1978-79 to each University. If, it is, decided to continue the unit after the V Plan period, the expenditure will have to be met by the University/State Government. The grants already paid or likely to be paid for examination reform programme will be a first charge on the allocation of Rs.5 lakhs.

The work of the unit will be reviewed after a period of two years and the further continuation of the unit during the Fifth Plan period will be subject to the work being satisfactory and the University being satisfied regarding the impact of the unit on its examination reform programme.

1. ANDHRA UNIVERSITY:

i)	Assistant Registrar	One
ii)	Statistician	One
iii)	Junior Stenographer	One
iv)	L.D.C.	One

2. MYSORE UNIVERSITY:

A.	i)	Coordinator/Asstt. Registrar.	One
	ii)	Statistician	One

- iii) Stenotypist in the One  
usual scale
- iv) L.D.C. of the One  
University
- B. Workshops Rs.25,000/-
- C. Furniture, Equipment Rs.10,000/-  
Books & contingencies.
3. RAJASTHAN UNIVERSITY:
- A. 1) Coordinator/Asstt. One  
Registrar.  
ii) Statistician One  
iii) Stenographer One  
iv) L.D.C. One
- B. T.A./D.A., Seminars/ Rs.1,50,000/-  
Workshops, Contingencies  
(Rs.30,000/-p.a.) printing  
of reports etc.
4. SAUGAR UNIVERSITY
- A. 1) Coordinator (Rs.400-900) One  
ii) Statistician (Rs.400-950) One  
iii) U.D.C.-cum-Typist in the One  
usual  
iv) L.D.C.-cum-Typist scale of One  
University.
- B. 1) Workshops/Seminars Rs.50,000/-  
ii) Printing of Question Rs.75,000/-  
Bank, Stationery etc.  
iii) Contingent expenditure Rs.25,000/-
- C. N.R. ITEMS:  
Typewriters, Calculators, Rs.20,000/-  
Duplicators etc.
5. POONA UNIVERSITY:
- i) Statistical Analyst(Rs.400-950)- One  
ii) Clerk-cum-Typist (Rs.115-215) - One

6. PUNJAB UNIVERSITY:

i)	Assistant Registrar (Rs.400-950)	-	One
ii)	Statistician (Rs.400-950)	-	One
iii)	Stenotypist (Rs.145-300)	-	One
iv)	L.D.C.(Rs.110-250)	-	One

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(18) U.G.C. Panel on Mass copying and use of unfair means in the university examinations.

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In June, 1972 the Commission appointed a Panel Jointly with the Inter-University Board (now Association of Indian Universities) to go into the question of mass copying and use of unfair means in the University Examinations. The Panel made some interim recommendations. In the meantime the Commission endorsed the recommendations of an expert committee appointed by the Ministry of Education and Social Welfare as outlined in the brochure- Examination Reform - A 'Plan of Action'. It was felt that action along the lines indicated in the brochure will mitigate some of the evils that have crept into the examination system. Consequently, the panel has been dissolved and the members informed accordingly.

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(19) Regulation of overtime allowance on the basis of revised rates consequent upon the decisions taken by the Government of India on the recommendations of the Third Pay Commission as accepted by the Government of India.

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On the basis of the recommendations of the Third

F.T.O.

Pay Commission, the Government of India have issued orders vide Ministry of Finance, Department of Expenditure No.F.6(18)-E.II(B)/73 dated the 19th February, 1974 for regulation of overtime allowance w.e.f. 1st February, 1974. Since the University Grants Commission follows the Government of India rules in such matters, the provisions of this order have been made applicable to the employees of the University Grants Commission also with effect from 1st February, 1974.

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(20) Age of retirement of the employees  
of the University Grants Commission.

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On the basis of the recommendations of the Third Pay Commission as accepted by the Government of India and the University Grants Commission, in so far as these relate to the age of retirement of the employees, Rule 8 of the University Grants Commission (Terms and Conditions of Service of Employees) Rules, 1958 has been amended to read as under:-

"The age of retirement of the employees, other than those belonging to Class-IV posts, of the Commission, shall be 58 years and of the employees belonging to Class-IV posts of the Commission, shall be 60 years, subject to such conditions as may be laid down by the Government of India from time to time relating to the retirement of any employee after he has attained the age of 55 years:

Provided that, in special cases, the Commission may permit any employee to continue in service, after he has attained the age of 58 years, for a period of one year at a time upto a total period of two years, i.e. until such employee attains the age of 60 years:

Provided also that an employee shall retire from service in the afternoon of the last day of the month in which he attains the age of superannuation."

- (21) Appointment of Mrs. Krishna Kawatra, wife of late Shri B.D. Kawatra, Assistant, as Lower Division Clerk in relaxation of recruitment procedure and age restriction on compassionate grounds.

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On her request, Mrs. Krishna Kawatra, wife of late Shri B.D. Kawatra, Assistant who died in harness on the 11th March, 1974, has been appointed as Lower Division Clerk in the University Grants Commission in the revised scale of pay of Rs.260-6-290-EB-6-326-8-366-EB-8-390-10-400 w.e.f. 31st December, 1974 (forenoon) on compassionate grounds in relaxation of recruitment procedure and age restriction as provided for in the Government of India orders issued from time to time in this regard. Mrs.Kawatra possesses the prescribed educational qualifications for the post of Lower Division Clerk.

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- (22) Appointment of Kumari Laksha Sehgal, daughter of late Shri Kharaiti Lal Sehgal, Assistant, as Lower Division Clerk in relaxation of recruitment procedure on compassionate grounds.

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On the request of Mrs. Janki Sehgal, wife of late Shri Kharaiti Lal Sehgal, Assistant, who died in harness on the 1st December, 1974, Kumari Laksha Sehgal, daughter of late Shri Kharaiti Lal Sehgal, Assistant, has been appointed as Lower Division Clerk in the University Grants Commission in the revised scale of pay of Rs.260-6-290-EB-6-326-8-366-EB-8-390-10-400 w.e.f. 1st January, 1975 (forenoon) on compassionate grounds in relaxation of recruitment procedure as provided for in the Government of India orders issued from time to time in this regard. Kumari Laksha Sehgal is within the prescribed age limit and possesses the prescribed educational qualifications for the post of Lower Division Clerk.

- (23) Applicability of the Government of India orders relating to the Leave Travel Concession as recommended by the Third Central Pay Commission to the employees of the University Grants Commission in Class I, II, III and IV posts.

.....

The Government of India orders contained in the Cabinet Secretariat, Department of Personnel and Administrative Reforms Office Memorandum No.43/6/73-Ests(A) dated the 11th March, 1974 read with their O.M. of even number dated the 3rd May, 1974 relating to applicability of the scheme of Leave Travel Concession to the Central Government employees in Class I, II, III and IV posts, have been made applicable to the employees of the University Grants Commission in Class II, III and IV posts subject to the conditions enumerated in the Office Memoranda referred to above.

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- (24) To receive the recommendations of the Selection Committee for appointment to the posts of Assistant Secretary in the University Grants Commission.

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The Selection Committee constituted under the provisions of the U.G.C. (Terms and Conditions of Service of Employees) Rules, 1958 met on the 3rd July, 1974 to interview the candidates for recruitment to the posts of Assistant Secretary in the pro-revised scale of pay of Rs.900-50-1250 in the University Grants Commission. After interview, the Committee recommended the following two candidates for appointment as Assistant Secretary in the University Grants Commission against the two vacant posts in the order indicated below:-

1. Shri W.P. Biswas
2. Shri B.R. Kwatra

The Committee also recommended that the following candidates be kept on panel in the order indicated below, which will be valid for a period of one year:-

1. Shri P.N. Advani
2. Shri S.N. Lal

- (25) Applicability of the Government of India orders regarding admissibility of the benefits of Rule 7 of the Central Civil Services (Revised Pay) Rules, 1973 to the Central Government Employees opting for fixation of pay from a date subsequent to 1.1.1973 but not later than to 31.12.1974 under Rule 9 of the Rules ibid, to the employees of the University Grants Commission.

.....

The orders contained in the Government of India, Ministry of Finance (Department of Expenditure) Office Memorandum No.67/II/1/73-IC dated the 17th May, 1974 regarding admissibility of the benefits of rule 7 of the Central Civil Services (Revised Pay) Rules, 1973 to Central Government employees opting for fixation of their pay from a date subsequent to 1.1.1973 but not later than 31.12.1974 and whose pay is required to be fixed under Rule 9 of the Rules ibid have also been made applicable to the employees of the University Grants Commission.

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- (26) Extension of the period of deputation of Dr.(Mrs.) Vina Mazumdar, Deputy Secretary, University Grants Commission to the Department of Social Welfare as Member-Secretary, Committee on the Status of Women in India.

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The Commission, on the request of the Department of Social Welfare, Government of India, approved vide Item 2(a)-5 of its meeting held on the 11th November, 1974, the extension of the period of deputation of Dr.(Mrs.) Vina Mazumdar, Deputy Secretary, University Grants Commission, with the Department of Social Welfare as Member-Secretary, Committee on the Status of Women in India upto and including 30th November, 1974. At the request of the Department of Social Welfare, the period of deputation of Dr.(Mrs.) Vina Mazumdar with the Department of Social Welfare was further extended in two instalments upto and including the 7th January, 1975 (afternoon) on the existing terms and conditions.



- (27) Continuation in service of Shri Juman James, Hospitality Attendant.

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As per orders of the Government of India on the subject, the posts in the pre-revised scales of pay, the maximum of which was Rs.110/- or less are to be classified as Class-IV posts. Since the posts in the University Grants Commission including that of Hospitality Attendant the maximum of which in the pre-revised scales of pay exceeded Rs.100 were classified as Class-III posts, it has been decided to reclassify these posts as Class-IV posts. A reference to this effect has been made to the Ministry of Education & Social Welfare for amendments in the U.G.C. (Supplementary Terms & Conditions of Service of employees) Regulation, 1967. Pending reclassification of the posts, the post of Hospitality Attendant held by Shri Juman James has been deemed as a Class IV post and Shri Juman James who was due to retire from the service of the University Grants Commission on the 31st August, 1974 (A) after attaining the age of 58 years has been allowed to continue in service upto the age of 60 years, the age of retirement of Class-IV employees in the University Grants Commission having since been fixed at 60 years.

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- (28) Participation of Shri R.K. Chhabra, Secretary, University Grants Commission in the Seminar on "Mutual Interaction between Professionals, Academics and Civil Servants" to be held at Kingston, Jamaica from 13th January, 1975 onwards.

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Shri R.K. Chhabra, Secretary, University Grants Commission, has been permitted to attend a seminar on "Mutual Interaction between Professionals, Academics and Civil Servants" to be held at Kingston, Jamaica from 13th January, 1975 to 18th January, 1975 and also to visit the United States of America and the United Kingdom on official work on his return journey. Shri Chhabra will be the guest of the Commonwealth Foundation who will be responsible for his travel and hotel expenses for attending the above mentioned seminar at Kingston. Shri Chhabra will be entitled to draw T.A. and D.A. as admissible to a Grade-I officer of the Government of

India and the expenditure in this behalf will be borne by the University Grants Commission. The period of absence of Shri Chhabra for the above period has been agreed to be treated as on deputation abroad. During the period of his deputation abroad, Shri Chhabra will be treated as on duty and will receive full pay and allowances at the rates admissible to him but for proceeding abroad on deputation.

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(29) Cultural Exchange Programmes.

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The Government of India have accepted Cultural Exchange Programmes with the following countries, and the items assigned to University Grants Commission with these countries are as under:-

Indo-Colombia:

I - EDUCATION

1. Both sides will encourage cooperation between Universities and Educational Institutions of the two sides. (The details of cooperation and exchange will be worked out by mutual consent).
2. Both sides will exchange professors in the fields of Fundamental Sciences, Technical Education, Social Sciences and Humanities. (Details to be worked out by mutual consultation).
3. Both sides will consider the possibility of establishing Chair of Oriental studies at one of the Universities in Colombia and the appointment of a Colombian Professor for teaching Spanish Language at one of the Indian Universities.
4. Both sides will exchange their text books, supplementary materials, curricula and other publications, slides, films and other audiovisual material and will also exchange photographs development of education.

Indo-Senegal

I - EDUCATION

1. Both sides will encourage cooperation between Universities and Educational Institutions of the two sides. (The details of cooperation and exchange will be worked out by mutual consent).
2. Both sides will exchange professors in the fields of Fundamental Sciences, Technical Education, Social Sciences and Humanities. (Details to be worked out by mutual consultation).
3. Both sides will exchange their text books, supplementary materials, curricula and other publications slides, films and other audiovisual materials and will also exchange photographs depicting development of education.

Indo-Yemen (PDRY)

I - EDUCATION

1. The two sides will set up a joint committee of academicians/professors to identify specific areas of collaboration in the fields of fundamental sciences, technical education, social sciences and humanities and suggest measures for future collaboration in these fields.
2. Both sides will exchange professors to work at University and educational institutions of the other country on contract basis.

Subjects of specialisation and terms and conditions to be discussed through diplomatic channels.

3. Both sides will exchange professors in the fields of fundamental sciences, technical education, social sciences and humanities.

Details to be worked out by mutual consultation

4. Both sides will exchange their text books, supplementary materials, curricula and other publications, slides, films and other audio-visual materials and will also exchange photographs depicting development of education.

5. The two sides will hold a joint Seminar regarding historical contacts between India and PDRY.

6. ARTICLE (4) (b).

Five lecturers for the Higher College of Education in Domestic Science, Mathematics, Chemistry, Biology and Physics.

7. ARTICLE (19)

Exchange of Delegations visit.

Both Contracting Parties shall encourage to exchange visits by delegations from both countries in the fields of Education, Health, Information, Agriculture etc. details of which shall be agreed upon later on by both Contracting Parties regarding the time, number of members of each delegation at appropriate time during the validity of this Programme.

Indo-Japan

I - EXCHANGE OF PERSONS

1. Under the long term fellowship programme, Japan will offer two fellowships for Indian scholars, faculty members of other professionals preferably in the fields of Humanities and social sciences, for the duration of one year each.

2. Under the short term visit programme Japan will invite two Indian scholars, teachers etc. for promoting mutual understanding between the two countries for the duration of 2 to 3 weeks each.

3. A Japanese scholar to participate in a Seminar or other academic activities.

1 - 2 scholars in the fields of humanities and social sciences, for the duration of 6 to 12 months.

4. Japan will invite for a short-term one to two students of the Japanese language courses conducted in India.

5. Japan will invite a Japanese language instructor from University of Delhi for a short term visit to Japan.

6. Both sides will continue mutual presentation of books, publications, journals etc. between Institutions and organisations, in various fields such as Indian Institute of Advance Studies and Indian Universities.

Under the above programmes the expenses on the international air fare of the participants will be borne by the respective sponsoring side while their local hospitality, internal travel and per diem allowance will be the responsibility of the receiving side.

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(30) Approval for additional expenditure of Rs.46,550.50 for the construction of Civil Engineering Building at Roorkee University.

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The University Grants Commission at its meeting held on 7th January, 1968 (Item No.12) approved the construction of building for postgraduate course in Civil Engineering at Roorkee University at a cost of Rs.8,83,005/- over 47,943 sq. ft. The Commission further approved an additional cost of Rs.5,848/- for the construction of building for the Civil Engineering Department ( M.E.Courses) over a plinth area of 8014 sq. ft. to be met out of the overall IV plan allocation raising the total approved cost on this upto Rs.8,88,853/-.

Against this approved cost of Rs.8,88,853/- the Roorkee University has completed the building at a cost of Rs.9,35,403.50 and submitted the necessary completion certificate. The additional expenditure of Rs.46,550.50 on this work has been approved.

- (31) J.R.S. College, Jamalpur (Bhagalpur University) - Assistance towards Teachers' Hostel.

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Under Rs.3 lakh programme of assistance to affiliated colleges during IV Plan period the Commission in August, 1971 accepted the proposal of the J.R.S. College, Jamalpur for construction of Teachers' Hostel at an estimated cost of Rs.1,17,121/- with Commission's share limited to Rs.78,080/- or 2/3rd of the actual expenditure whichever is less.

As per the normal procedure of the Commission the work on the project was to be undertaken by the college within one year of its sanction. But the college failed to implement the project within one year of its sanction and therefore the Commission's sanction was lapsed and the College was informed accordingly in February, 1974.

The College in October, 1974 approached the Commission for the revival of the sanction to their proposal stating that the work on the project could not be taken up within stipulated period due to the non-availability of matching share and the agitational atmosphere prevailing in the educational institutions of the Bihar State.

Under these circumstances the Commission has agreed to revive its sanction to the proposal of the J.R.S. College, Jamalpur for construction of Teachers' Hostel at the cost already approved. This is subject to the condition that the college will complete the work on the project by 31.12.1975 and incur its share first on the project and thereafter approach the Commission for the release of admissible grant under the scheme.

- (32) Banaras Hindu University - Assistance towards strengthening of Departmental Libraries and reorganisation of the Manuscript Section of the University.

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The Commission considered the proposal of Banaras Hindu University for Assistance towards strengthening

Departmental Libraries at its meeting held on 2nd February, 1972 (Item No.76) and decided as under:-

'The Commission was of the view that the existing staff in the departmental libraries of the Banaras Hindu University was adequate. Any expansion considered necessary may be examined at the time of the Fifth Plan proposals of the University. It was agreed that the question of additional funds for books & journals may be further examined in consultation with the University'.

The Commission subsequently at its meeting held on 5th July, 1972 (Item No.75) again considered the proposal and decided that this may be further examined by an expert committee. Accordingly the Commission constituted an expert committee consisting of Shri Shanti Narayan, Dean of Colleges, Delhi University (ii) Dr. Jagdish Sharma, Librarian, Panjab University and Dr. S.C. Goel, Education Officer, University Grants Commission. The Committee recommended the creation of additional posts of three Assistant Librarians in the scale of Rs.400-950, six Professional Assistants (Rs.250-400), One Electrician-cum-Mechanic (Rs.210-285), 25 Library Assistants (Rs.130-280), two typist-cum-clerks (Rs.110-180) one Janitor, one Daftry and 11 Library Attendants for strengthening the departmental libraries. The Committee also recommended the following assistance for the Manuscript Section:-

1. Incharge of the Section (Rs.400-950)
2. Professional Assistant (Rs.250-400)
3. Air Conditioner (One) Rs.6,000/-
4. Vacuum Cleaner and fumigation chamber Rs.2,000/-

The Committee recommended that assistance may be made outside 4th plan allocation.

The Commission considered the report of the Committee appointed by the University Grants Commission to examine the proposal of the Banaras Hindu University for financial assistance towards strengthening departmental libraries and reorganisation of the Manuscript Section.

at its meeting held on 1st November, 1972 (Item No.10) and resolved as under:-

'The Commission desired that the Banaras Hindu University may be requested to indicate the amount which it could provide from within the 4th plan allocations if the proposal of the University was accepted for strengthening the departmental libraries.

The Commission further desired that information regarding the departmental libraries in the other Central Universities may be obtained and a comprehensive note placed before the Commission'.

The University was not in a position to accommodate the total expenditure on this account within the 4th plan allocation. However in the 5th plan the Vice-Chancellor, Banaras Hindu University stressed the need for creation of posts recommended by the Committee appointed for the purpose. In view of urgency expressed by the Banaras Hindu University, the Chairman, University Grants Commission asked the University to indicate its minimum requirements as the posts of created will be a first charge on the 5th plan allocation of the University. The Banaras Hindu University intimated its minimum requirements as follows:-

University's requirements		Against Committee's recommendation as intimated to Banaras Hindu University
1.	Professional Junior - 3	1. Asstt. Librarians -4
2.	Professional Assistant- 1	2. Professional -6
3.	Semi Professional -17	Asstt.
4.	Library Attendants - 9	3. Electrician cum -1
5.	Janitor - 2	Mechanic
		4. Library Assistant -25
		5. Typist cum clerk -2
		6. Janitor -1
		7. Daftry -1
		8. Library Attendants-11
	<hr/> 32 <hr/>	<hr/> 51 <hr/>

The Commission however decided to sanction the posts of one Professional Junior (Rs.400-95) and one Semi Professional (Rs.130-280) for the Manuscript Section



of Central Library of Banaras Hindu University for the 5th plan period subject to the condition that the expenditure will be a first charge on the 5th plan allocation.

As regards staff for Departmental Libraries, the needs would be assessed by some members of the Standing Committee on Library. The additional needs for 5th plan period would be assessed by the 5th plan Visiting Committee.

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Annexure to Item No.2(a)(1)

UNIVERSITY GRANTS COMMISSION

Minutes of the meeting of the Committee appointed by the University Grants Commission for the selection of National Lecturers for the year 1974-75.

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The meeting of the Committee appointed by the University Grants Commission to consider the nominations received and to make recommendations for the selection of National Lecturers for the year 1974-75 was held in the office of the University Grants Commission on 11th November, 1974. The following were present:-

1. Professor Satish Chandra
2. Professor B.M. Udgaonkar
3. Professor M. Santappa
4. Professor J.B. Chitambar
5. Professor R.S. Sharma
6. Dr. D. Shankar Narayan
7. Shri R.C. Banerji

The Committee noted with appreciation the value and academic impact of this programme. It was felt that subsequent to the selection of the National Lecturers, there should be sufficient time at the disposal of the individual scholars participating in the programme to complete their assignment to visit universities for the purpose of delivering lectures and also to review the academic programme of the departments concerned. The Committee felt that generally a 12 months period from the date of issue of the printed bulletin, giving details about the National Lecturers by the Commission, may be made available to the National Lecturers to complete their programme of visits. The Committee then considered the following sets of nominations received by the Commission and make recommendations with regard to scientists/scholars who may be invited to participate in the National Lecturership Programme during 1974-75:

- (a) Nominations received from the universities with regard to teachers from their departments.
- (b) Suggestions from universities regarding scholars whom the universities would like to invite to deliver lectures; and
- (c) suggestions made by the members of the Panel in Science and Humanities and Social Science subjects and also by the scholars, who participated in the programme of National Lectures during 1973-74.

The names of the persons recommended to be invited for 1974-75 programme are given in appendix. The Committee has recommended 44 names against 30 places available, in order to enable considerations of alternate names in case any of the selected scholars is unable to accept the invitation. The names are listed in order of preference.

APPENDIX

National Lectures for 1974-75

Recommended names

Subject	No. of places available	Name and address
<u>Sciences</u>		
Physics	(3)	<ol style="list-style-type: none"><li>1. Dr. S. Ramasethan National Aeronautical Laboratory, Bangalore.</li><li>2. Professor S.N. Biswas, Department of Physics, Visva-Bharati University, Santiniketan (West Bengal).</li><li>3. Dr. S.M. Chitre, Department of Physics, Tata Institute of Fundamental Research, Homi Bhaba Road, Bombay.</li></ol>
<u>alternate/Reserve</u>		
		Dr. K.L. Chopra, Department of Physics, Indian Institute of Technology, Delhi.
Chemistry	(3)	<ol style="list-style-type: none"><li>1. Professor N.V. Subba Rao, Osmania University, Department of Chemistry, University Colleg. of Science, Hyderabad-7.</li><li>2. Professor R.D. Patel, Department of Chemistry, Sardar Patel University, Vallabhi Vidyanagar.</li><li>3. Dr. Nityanand, Central Drugs Research Institute, Lucknow.</li></ol>

Subject	No. of places available	Name and address
Biochemistry	(1)	Dr. G.P. Talwar, Department of Biochemistry, All India Institute of Medical Sciences, New Delhi.
		<u>alternate/reserve</u>
		Professor L.K. Ramachandran, Osmania University.
Mathematics	(3)	1. Professor V.S. Huzurbazar, Department of Mathematics and Statistics, University of Poona, Poona. 2. Professor Audraiah, Visvesaraya College of Engineering Bangalore. 3. Dr. Raghunathan, Department of Mathematics, Tata Institute of Fundamental Research, Homi Bhaba Road, Bombay.
Earth Sciences	(1)	1. Professor V.K. Gaur, Department of Geology, Roorkee University, Roorkee.
Biological Science	(2)	1. Professor J.J. Chinoy, Director, University School of Sciences, Ahmedabad. 2. Professor K.N. Saxena, Delhi University, Delhi.
		<u>alternate/reserve</u>
		Dr. Kakar, Dean, College of Basic Sciences, Haryana Agricultural University, Hissar.

Subject	No. of places available	Name and address
Agriculture	(1)	1. Dr. Sundarshan, Director, National Dairy Research Institute, Karnal.
<u>Home Sciences</u>	(1)	1. Dr. D. Deulkar, Principal, Lady Irwin College, Sikandara Road, Delhi.  or Dr. Mrs. R. Devadass, Principal, Avinash Lingam College of Home Science, Coimbatore.
Engineering	(Reserve)	Professor A.C. Pandya, Department of Engineering, Indian Institute of Technology, Kharagpur.
<u>Humanities and Social Sciences</u>	(15)	
(a) History	(2)	1. Dr. Gabyaschi Bhattacharya, Centre for Historical Studies, Jawaharlal Nehru University, New Delhi. 2. Professor S.C. Misra, Head of the Department of History, M.S. University of Baroda.
(b) Political Science	(2)	1. Professor A.J. Dastur, Department of Political Sciences & Civics, Bombay University, Bombay. 2. Professor Asha Ram, Sambalpur University, Sambalpur.

Subject	No. of places available	Name and address
(c) Sociology	(1)	1. Prof. Ramkrishan Mukherji, Indian Statistical Institute, Calcutta. 2. Prof. P.C. Joshi, (Reserve) Institute of Economic Growth, Delhi University, Delhi.
(d) Philosophy	(1)	1. Professor S.S. Barlingay, Department of Philosophy, Poona University, Poona. 2. Prof. R.C. Pandaya, (Reserve) Delhi University, Delhi.
(e) Psychology	(1)	1. Professor R.N. Rath, Department of Psychology, Utkal University, Bhubaneswar.
(f) Commerce	(1)	1. Professor Dool Chand, Department of Commerce, Kurukeshtra University, Kurukeshtra.
(g) Law	(1)	1. Professor T.K. Tope, Vice-Chancellor, Bombay University, Bombay. 2. Prof. P.K. Irani, (Reserve) Head of the Department of Law, Bombay University, Bombay.
(h) Linguistics	(1)	1. Professor R.K. Sinha, Head of the Department of English, Patna University, Patna. 2. Dr. S. Vankata Subramaniam Iyer, (Reserve) Head of the Department of Sanskrit, Kerala University, Trivandrum.

Subject	No. of places available	Name and address
(i) Anthropology	(1)	<ol style="list-style-type: none"><li>1. Professor T.N. Madan, Asian Research Centre, Institute of Economic Growth, Delhi University, Delhi.</li><li>2. Prof. I.P. Vidyarathi (Reserve) Department of Anthropology, Ranchi University, Ranchi.</li></ol>
(j) Economics	(2)	<ol style="list-style-type: none"><li>1. Professor P.K. Bardhan, Delhi School of Economics, Delhi University, Delhi.</li><li>2. Prof. Yogendra K. Alagh, Director, Sardar Patel Institute of Economic &amp; Social Research, Navarangpur, Ahmedabad.</li><li>3. Prof. D.T. Lakhlwala (Reserve) Department of Economics, Bombay University, Bombay.</li></ol>
(k) Geography	(1)	<ol style="list-style-type: none"><li>1. Shri V.L.S. Prakash Rao, Institute of Economic Growth, Bangalore.</li><li>2. Professor Mohmad Safi (Reserve) Department of Geography, Aligarh Muslim University, Aligarh</li><li>3. Professor Moonis Raza, (Reserve) Jawaharlal Nehru University, New Delhi.</li><li>4. Professor Parmeshwar Dayal (Reserve) Department of Geography, Patna University, Patna.</li></ol>
(l) Education	(1)	<ol style="list-style-type: none"><li>1. Professor Adaval, Department of Education, Allahabad University, Allahabad.</li></ol>

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting:

Dated: 10th February, 1975

Item No.2(c): To receive the statement of proposals which could not be accepted by the Commission.

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Karnatak University - Proposal under adult education programme.

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The proposal of the Karnatak University for a grant of Rs.11,550/- towards undertaking Adult Education Programme for the rural community could not be accepted in view of the present fund position and also because there was a lack of clear purpose in the scheme formulated by the University. The proposal was received after two and a half years of the announcement and the contents of the programme included many diverse areas such as literacy, citizenship, parent education, health education, cultural education, population education, physical education, vocational guidance, agriculture, animal husbandry, sanitation etc.

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CONFIDENTIAL



CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting:

Dated: 10th February, 1975

Item No.3: To approve the statement of grants released after the last meeting of the Commission held on 9th & 10th December, 1974.

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P L A N

S.No.	Subject	No. of instalment	Amount	
1.	<u>Agra University</u>			
	Junior Research Fellowships in Sciences/Humanities & Social Sciences Allocation of funds for implementation of the scheme during 1974-75.	2nd	51,500	
	-do-	2nd	34,000	
	49th All India Educational Conference to be held in December, 1974.		3,000	
	Construction of Bus Garage and Cycle Shed at the Institute of Home Science.		8,000	
	<u>Affiliated Colleges</u>			
	St. John's College, Agra.	Students' Welfare Programme.	2nd & final	6,000
	Agra College, Agra.	College Science Improvement Programme - Selected Colleges Project: Grant-in-aid.	2nd	60,000
	-do-	Utilisation of services of Retired Teachers - Payment of contingency grant in respect of the extension cases - 1974-75.		1,000
	St. John's College, Agra.	-do-		3,000

P. T. O.

Agra University (Contd.)

Affiliated Colleges

St. John's College, Agra.	Utilisation of services of Retired Teachers - Payment of contingency grant in respect of extension cases - 1974-75.		1,000
Agra College, Agra	Utilisation of Services of Retired Teachers - Payment of honorarium - Payment in respect of extension cases - 1974-75.		3,000
St. John's College, Agra.	College Science Improvement 4th Programme - Selected Colleges Project Grant-in- aid.		30,000
Agra College, Agra.	Senior/Junior Research Fellowships in Science/ Humanities including Social Science - Payment of Fellowship.		900
Hindu College, Moradabad.	Financial Assistance to Teachers for research/ learned work in sciences- Payment of second instalment of grant (Code No.4999).	final	500
Agra College, Agra.	-do-	1st	2,000
-do-	Financial assistance to teachers for the univer- sities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant (Code No.5554)	1st	2,000
-do-	-do-	1st	3,000
D.S. College, Aligarh.	-do-	1st	1,750
-do-	-do-	1st	1,550
Shri Varadnaya College, Aligarh.	Financial Assistance to Teachers for research/ learned work in Sciences - Payment of second instalment of grant (Code No.5004).	2nd & final	750

Agma University (Contd.)

Affiliated Colleges

D.S. College, Allgarh.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in sciences - Payment of first instalment of grant (Code No.5616).	1st	1,500
-do-	-do-	1st	1,500
R.B.S. College, Bishpuri (Agra)	-do-	1st	500
Agra College, Agra.	-do-	1st	1,500
Barcilly College, Barcilly.	-do-	1st	500
D.S. College, Allgarh.	-do-	1st	500
Agra College, Agra.	-do-	2nd & final	750
Total:			2,19,700

2. Allgarh Muslim University

Senior/Junior Research Fellowships in Science/ Humanities including Social sciences - Payment of Fellowship.	500
-do-	900
-do-	900
-do-	900
Development of area studies - centre of West Asian studies - Release of grant - IV Five Year Plan scheme.	50,000
Senior/Junior Research Fellowships in Science/ Humanities including Social Science - Payment of Fellowship.	600

Aligarh Muslim University (Contd.)

Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		538.71
-do-		545.16
-do-		900
-do-		900
Construction of library building at the Women's College - Four Plan Scheme.		25,000
Construction of 12 Duplex Lecturers Quarters.		75,000
Grant-in-aid for the establishment of Girls Polytechnic - Release of recurring grant.		60,000
Establishment of Girls Polytechnic - Grant for purchase of equipment.	14th	18,000
A.M.U. Removal of Water logging for Jawaharlal Nehru Medical College - Construction of Kachha flood tank.	4th	10,000
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
-do-		900
Award of Scholarships for honours studies in Arabic/Persian during 1974-75.		1,200
-do-		1,800
-do-		1,200
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
-do-	2nd	81,500
Purchase of Books & Journals for Humanities, Social Sciences and Science Departments during Vth Plan period (Basic grants).		5,00,000

Aligarh Muslim University (Contd.)

Purchase of Books & Journals for Humanities, Social Sciences and Science Departments during Vth Plan period (Basic grants).		5,00,000
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		80.65
Purchase of books under Students Amenities Programme.		30,000
Centre of Advanced Study in History - Recurring expenditure on staff & contingencies.		1,00,000
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		90.32
Provision of Additional External Services for Jawaharlal Nehru Medical College and attached Hospital - Consturction of Storm Water drainage.	6th	25,000
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering & Technology/Utilization of services of retired teachers/payment of fellowship/honorarium and contingency grant.		3,760
External Services - Construction of Boundary Wall -cum-bund in Medical College Campus.	3rd	20,000
Installation of equipment purchased under 12 million Dollar U.S. aid loan programme - Grant for -		1,50,000

P. T. O.

Aligarh Muslim University (Contd.)

Award of Scholarships for honours/postgraduate studies in Arabic/Persian/Sanskrit/Pali/Hakrit to the students belonging to the Hill Area of North-Eastern Hill Region of India during 1973-74.		1,800
Senior/Junior Research Fellowships in Science/Humanities/Engineering & Technology - extension in fellowship tenure payment of fellowship to Miss Nilofar Izhar (Code No.846)		3,277.42
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering & Technology/Utilisation of services of retired teachers - payment of contingency grant.		939.32
Basic grant for the purchase of library books and journals during Vth Plan period for development of Engineering and Technology.	1st	20,000
Financial Assistance to teachers in the universities and colleges for undertaking research or learned work in sciences - Payment of first instalment of grant (Code No.553).	1st	2,500
Construction of 36 Residential quarters for class IV staff of Hospital attached to Jawaharlal Nehru Medical College.	2nd	50,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	1,22,500
Senior Research Fellowships in science - Payment of Fellowship.		900

Aligarh Muslim University (Contd.)

Establishment of Students Aid Fund in Universities.		14,146
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in sciences - Payment of first instalment of grant (Code No.5531).	1st	3,000
Grant-in-aid for the development of P.G. Courses in Engineering & Technology -- Purchase of Equipment and furniture.	7th	50,000
Sewerage and Sludge Disposal scheme - Maintenance & Operation thereof.		2,12,300
Construction of 480 Engineering students Hostel - Steel Wire Fabric.		5,000
		<hr/>
	Total:	21,48,377.58
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3. Allahabad University

Junior Research Fellowships in Humanities including Social Sciences - Payment of Fellowship to Smt. S. Dubey.		4,500
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowships.		900
-do-		900
Unassigned grants, 1974-75 Sanction of grant.		20,000
Senior/Junior Research Fellowships in Science/Humanities including Social science - Payment of Fellowship.		900

P.T.O.

Allahabad University (Contd.)

Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.		900
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	61,500
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
-do-		80.65
Award of Scholarships for honours/postgraduate studies in Arabic/Persian/Sanskrit/Pali/Prakrit to the students belonging to the Hill Areas of North Eastern Region of India during 1974-75.		1,800
Writing of University Level Books/monographs.		3,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	92,500
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		300
-do-		612.90
-do-		900
-do-		900
Total:		1,90,593.55



4. Annamalai University

Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship. 535.48

-do-

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75. 2nd 529.93  
34,000

Development Schemes during 4th Plan period - Construction of Teachers Hostel. 40,000

Senior/Junior Research Fellowships in Science/Humanities/Engineering and Technology - Extension in fellowships - payment of fellowship to Smt. T. Balasubramanian (Code No. 881). 1,483.87

Centre of Advanced Study in Marine Biology - Release of grants for 1974-75. 63,000

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75. 2nd 51,500

Development Schemes during Vth Plan period - Unassigned grant for 1974-75. 10,000

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Total: 2,01,049.28

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Andhra University

Construction of Gymnasium 2nd 50,000  
Seminar on Improvements in the teaching of Economics. 5,000  
Writing of University level books/monographs. 3,550

P.T.O.

Andhra University (Contd.)

Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.		900
-do-		900
-do-		792.86
-do-		900
-do-		900
-do-		148.88
-do-		900
-do-		900
-do-		900
-do-		900
Junior Research Fellowships in Sciences/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	75,500
Financial Assistance to Teachers for research/learned work in Sciences and Humanities including Social Sciences - Payment of Second instalment of grant.	2nd & final	750
Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	1,13,000
Senior/junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship .		900
-do-		900
-do-		900
-do-		900
-do-		900
-do-		900
Senior/Junior Research Fellowships in Science/Humanities/Engineering & Technology - Extension in fellowship tenure payment of fellowship to Dr. G.B. Subrahmanyam.		4,509.68

Andhra University (Contd.)

Utilisation of services of retired teachers - payment of contingency grant.		1,000
Increased intake to the Postgraduate Courses in Science subjects - Payment of Recurring grant.	1st	60,000
Writing of University level books/monographs.		2,267.86

Affiliated Colleges

T.S.B. College, Temoli.	Construction of Gymnasium	3rd	30,000
Akkineni Nageswara Rao College, Gudivada.	-do-	3rd & final	6,250
College of Engineering Waltair.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in sciences - Payment of first instalment of grant (Code No.5557).	1st	1,000
Government College, Rajahmundry.	-do-	1st	2,250
M.R. College, Vizianagarah.	-do-	1st	1,500

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Total: 3,71,019.29

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6. A.P. Singh University, Rewa (MP)

Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	6,000
-do-	2nd	4,000

20/11/74

P.T.O.

A.P. Singh University (Contd.)

Affiliated Colleges

Government Girls Degree College, Rewa.	Grant to Colleges under Student Welfare Programme.	2nd & final	1,993. 25
Mahajara College, Ghatrapur.	-do-	2nd & final	3,853. 15
Govt College, Satna.	Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.		93. 55
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Total:			15,939.9 5

7. Bangalore University

Financial Assistance to Teachers for research/learned work in Sciences - Payment of Second instalment of grant (Code No.4627)	2nd & final	500
Financial assistance to teachers in the universities and colleges for undertaking research in learned work in Sciences - Payment of first instalment of grant (Code No.5512)	1st	1,500
Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	41,000
Award of Scholarships for studies in Sanskrit to the students during 1974-75.		1,800
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	27,500

Bangalore University (Contd.)

Affiliated Colleges

Govt. Science College, PB No.5373, Bangalore-1.	College Science Improvement Programme - Selected Colleges Project: Grant-in-aid.	2nd	60,000
Jyoti Niwas College, Fresser Town, Bangalore-5.	Students Aid Fund to Colleges for the year 1974-75.		725
Vishwaswarapura College of Arts, Science & Commerce, K.R. Road, Bangalore-4.	Purchase of Books, Laboratory equipment & Laboratory furniture.		8,000
Mount Carmel College, Bangalore.	Students Aid fund to Colleges for the year 1974-75.		1,645
Acharya Pathasala College of Arts, Commerce & Science, Narasimharaja Colony, Bangalore-19.	-do-		2,042
Vijaya College, Bangalore-4.	Grant towards the load of books to students - setting up of book banks.	1st	8,500
<b>Total:</b>			<b>1, 53, 212</b>

8. Banaras Hindu University.

Senior/Junior Research Fellowships in Science/ Humanities including Social Sciences - Payment of Fellowship.		87.10
-do-		900
-do-		900
-do-		900
Additions & Alterations in the Kitchen Block of Dhanwantari Hostel under Students Amenities Programme.	2nd	40,000

Banaras Hindu University (Contd.)

Development of Teacher Education and Research - Payment of Recurring grant for Staff of Faculty of Education.		35,000
Utilisation of Services of the Retired Teachers - Payment of honorarium - Payment in respect of extension cases - 1974-75.		3,00 0
-do-		1,00 0
Grant-in-aid for purchase of Library Books and Journals for the Development of P.G. Courses in Engineering & Technology IV Plan.	2nd	10,00 0
Research Fellowships in Engineering & Technology - Shri B.R. Tishvakarama - Additional Contingency grant.		1,600
Writing of university level books/monographs.		3,000
Construction of Canteen Building for 100 persons under Students Amenities Programme.		30,000
Purchase of Equipment for Education Department during IVth Plan - release of grant - basic grant for purchase of equipment during 5th Plan.		3,955.60
Construction of Hindi Bhavan under Golden Jubilee Grant Scheme.		60,000
Provision for additional facilities for teaching of Sciences - Establishment of the Department of Basic Sciences at the Institute of Technology - Purchase of Books.	2nd & final	30,000
Appointment of Training and placement Officer for Engineering and Technology.	2nd	5,242.23

Banaras Hindu University (Contd.)

Grant-in-aid for purchase of books for the Development of Engineering & Technology - Department of Pharmaceutics - IV Plan.		4,000
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering & Technology/Utilisation of services of retired teachers - Payment of contingency grant.		1,000
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship - Shri H.L. Srivastava.		900
-do-		900
Construction of 22 Ministerial Staff Quarters.	3rd	45,000
Grant-in-aid for Educational Tour in respect of the students of Technology -		16,106.50
Purchase of Equipment for Maitri Jalpan Griha under Students Amenities Programme.	1st	23,000
Purchase of Equipment for the Cafeteria of the Institute of Technology under Students Amenities Programme.	1st	40,000
Purchase of Furniture for I.T. Cafeteria & Canteen Building under Students Amenities Programme.		15,000
Utilisation of services of retired teachers - payment of contingency grant.		972.83
Gandhi Centenary Celebrations - Release of grant.		239.15
Writing of university level books/monographs.		6,012
-do-		5,000

Banaras Hindu University (Contd.)

Award of Scholarships for honours/postgraduate studies in Arabic/Persian/Sanskrit/Pali/Prakrit to the students belonging to the Hill Areas North Eastern Region of India during 1973-74.		1,800
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering and Technology/Utilisation of retired teachers - Payment of contingency grant - Km.S.T. Auklesaria.		1,000
-do-		957.14
Gandhi Centenary celebrations - Release of grant.		239.15
Senior/Junior Research Fellowships in Science/Humanities including Social Science- Payment of Fellowship.		900
-do-		900
-do-		900
-do-		900
-do-		900
-do-		900
-do-		900
-do-		900
-do-		900
-do-		900
-do-		900
-do-		900
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	89,000
Senior/Junior Research Fellowships in Science/Humanities including Social Science- Payment of Fellowship.		900



Banaras Hindu University (Contd.)

Construction of 550 bedded ward in S.S. Hospital attached to the Institute of Medical Sciences.	10th	5,00,000
Construction of a Building for out patient department in the S.S. Hospital attached to the Institute of Medical Sciences.	10th	2,00,000
Basic Grant for the purchase of equipment under the Fifth Plan period for the development of Engineering & Technology -	1st	1,00,000
Basic grant for purchase of library books and journals during the Fifth Plan period for the development of Engineering & Technology.	1st	50,000
UGC Junior & Senior Research Fellowships at the Centre of advanced Study in Philosophy - Existing of Research Fellow - 1974-75.		40,000
Grant-in-aid for alteration and modification of Building and furniture including Library Hall - IV Plan.		30,000
Senior/Junior Research Fellowships in Science/Humanities including Social science - Payment of Fellowship.		100
-do-		93.55
-do-		87.10
Grant-in-aid for Educational Tour in respect of the students of the different years and Departments of the Institute of the Technology -		9,358
Construction of 8 Professor's Quarter's in Institute of Medical Sciences.	5th	55,000
research Fellowships in Engineering & Technology -		3,200
Extension in fellowship tenure - payment of fellowship to Shri Gyan Dhar Singh.		

Banaras Hindu University (Contd.)

Award of scholarship of the value of Rs.75/- p.m. to Undergraduate students admitted in IInd and IIIrd year of 5 year integrated course in Engineering and at the Institute of Technology, Batch 1972-73 and 1973-74.		73,575
Grant-in-aid for purchase of books and for the Development of Engineering & Technology - Department of Mining Engg.	5th	5,000
Grant-in-aid for purchase of furniture and fittings for the development of P.G. course in Engineering & Technology - IV Plan.	3rd	10,000
Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	1,33,500
Senior/Junior Research Fellowships in Science/Humanities/Engineering & Technology - extension in fellowship tenure payment of fellowship to Km. Jyotsna Prasad.		2,400
Construction of building for the Department of Electronics Engineering - IV Plan.	3rd	30,000
Payment of recurring grant for providing additional facilities in General Engineering subjects at the college of Technology.		4,132
Introduction of Part-time P.G. Diploma Course in Business Management.		
Payment of recurring grant for staff and maintenance ancillary staff - Faculty of Agriculture IV Plan.	3rd	28,210

Banaras Hindu University (Contd.)

Construction of Radio Isotope Lab. Building of the Department of Zoology under US Million Dollar Loan Scheme.		15,000
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship		109.68
-do-		900
-do-		900
-do-		900
-do-		900
Extension of Law Faculty (school) Building - Construction of remaining area of 5607 sq. ft.	5th	25,000
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship		900
-do-		900
-do-		900
Construction of 12 Lecturers Quarters Institute of Medical Sciences.	5th	70,000
Construction of a 550 bedded ward in S.S. Hospital attached to the Institute of Medical Sciences.	11th	5,00,000
Purchase of Equipment for the Institute of Medical Sciences during V Plan (Basic Grants).	2nd	75,000
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in sciences - Payment of first instalment of grant (Code No.5501)	1st	750
-do-	1st	1,500
University Grants Commission Assistance for the Research Project entitled "Studies on Transient Enzyme-Substrate Covalent Intermediates" of Dr. O.P.Malhotra, Head of the Department of Chemistry, Fifth Five Year Plan period - 1st instalment of grant.		20,000

Banaras Hindu University (Contd.)

Affiliated College

Vasanta College for Women, Varanasi.	Construction of the Library Building.	5th & final	2,073
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Total: 24,78,800 .03

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9. Berhampur University

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	7,000
-do-	2nd	10,500
Construction of Postgraduate Students Hostel	1st	2,00,000

Affiliated Colleges

Ganjam College, Ganjam.	Grant-in-aid for the construction of Non-resident Students Centre	3rd	10,000
Govt. Science College, Phulbani.	Financial assistance to teachers for research/learned work in Sciences - Payment of Second instalment of grant (Code No.4926).	2nd & final	375

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Total: 2,27,875

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10. Bhagalpur University

Financial Assistance to Teachers for research/learned work in Sciences - Payment of Second instalment of grant (Code No.3769)	2nd & final	500
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Bhagalpur University (Contd.)

Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowships.		900
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant (Code No.5604).	1st	1,500
Junior Research Fellowships in Sciences/Humanities including Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	20,500
Unassigned grant for 1972-73.	2nd & final	23,692
Construction of Fish Pond and frogery for the Post-graduate department of Zoology during the Fourth Plan.	2nd	2,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	13,500
Writing of university level books/monographs.		4,500

Affiliated Colleges

T.N.B. College, Bhagalpur.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant (Code No.5559).	1st	1,175
Gajadhar Bhagat College, Naugachia.	Grants to colleges libraries for loan of books to students - Book Bank.	2nd & final	3,250
Nimali College, Nimali.	Students Welfare Programme	2nd & final	1,000

Bhagalpur University (Contd.)

Affiliated Colleges

Muraka College, Sultanganj.	Financial Assistance to Teachers for research/ learned work in Sciences - Payment of Second instalment of grant (Code No.3570).	2nd & final	250
Total:			72,767

11. Bhopal University

Junior Research Fellowships in Sciences/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	6,000
-do-	2nd	4,000
Basic grant for the purchase of Library Books and Journals during the Vth Five Year Plan period (Humanities Department)		10,000
-do-		10,000

Affiliated Colleges

M.L.Mahavidyalaya, Bhopal.	Senior/Junior Research Fellowships in Science/ Humanities including Social Science - Payment of Fellowship.		535.48
S.S.L. Jain College, Vidisha.	Assistance for the development of Postgraduate Studies in science subjects.	3rd	40,000
Govt. Degree College, Ganj Basoda .	Financial Assistance to Teachers for research/ learned work in Sciences and Humanities including Social Sciences - Payment of Second instalment of grant.	2nd	500

Bhopal University (Contd.)

Affiliated Colleges

Maulana Azad College of Technology, Bhopal.	Travel Grant to C.S. Bhatnagar for attending the International Conference on Electrets held at Miami Beach, U.S.A. - sanction of grant for.	2nd & final	226.90
M. V. Mahavidyalaya, Bhopal.	Financial Assistance to Teachers for research/ learned work in Sciences/ Payment of second instalment of grant (Code No.4650).	2nd & final	500
		<b>Total:</b>	<b>71,762.38</b>

12. Bihar University

	Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	31,000
	-do-	2nd	20,000
	senior/Junior Research Fellowships in Science/ Humanities including Social Sciences - Payment of Fellowship to Smt. S. Prasad.		900

Affiliated Colleges

L. S. College, Muzaffarpur.	-do-		900
-do-	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant (Code No.5352).	1st	3,000
Jawaharlal Nehru Memorial College, Chorasahm.	Construction of Library Building.	1st	30,000

Bihar University (Contd.)

Affiliated Colleges

L.S. College, Muzaffarpur.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in sciences - Payment of first instalment of grant (Code No.5617).	1st	1,500
-do-	-do-	1st	2,500
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Total:			89,800
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13. Bombay University

Financial assistance to teachers in the universities and colleges for undertaking research or learned work in sciences - Payment of first instalment of grant (Code No.5532).	1st	3,500
Senior/Junior Research Fellowships in Science/ Humanities including Social Sciences - Payment of Fellowship.		900
-do-		900
-do-		900
Junior Research Fellowships in Science/Humanities including Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	22,500
Writing of university level books/monographs.		3,000
Grant-in-aid for Postgraduate courses in Chemical Engineering and Chemical Technology - Fell- owship @ Rs.400/- p.m. for Ph.D. students admitted during 1973-74.		5,058



Bombay University (Contd.)

	Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	61,500
	Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship to M. MB Kolsawlla.		900
<u>Affiliated Colleges</u>			
Hazarimal Somani College of Arts and Science, Bombay-7.	Utilisation of the services of the retired teachers - Payment of contingency grant in respect of extension cases 1974-75.		1,000
-do-	-do-		3,000
Institute of Science, Bombay-32.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant (Code No.5560)	1st	2,500
Ramnarain Bui College Bombay-19.	-do-	1st	3,500
Nirmala Institute of Education, Panaji (Goa).	Development of teachers training colleges programme in teachers training colleges.		3,000
R.K. Talreja College of Arts, Science and Commerce, Ulhasnagar, Distt. Thana, Maharashtra.	Development of Postgraduate Studies in Humanities and Social Sciences during the IV Plan - sanction of grant for regarding.	4th & final	23,843
Carmel College of Arts and Science for Women, Nuvem, Goa.	Construction of additional teaching accommodation - sanction of grant for.	3rd & final	2,852
Mithibai College of Arts and Chaubhan Institute of Science, Vile Parle (West) Bombay.	Students' Aid Fund in the Colleges - Grant for 1974-75.		5,000

Bombay University (Contd.)

Affiliated Colleges

R.A. Podar College of Commerce and Economics, Katunga, Bombay.	Extension of Library Building	3rd & final	20,092.38
Sir. J.J. College of Architecture, Dr. D.N. Road, Bombay-1.	Writing of university level books/monographs.		1,000
Sadhana College of Education, Santa-Cruz (West), Bombay.	Development of teachers training programmes in teachers training colleges.	2nd & final	3,000
Sophia College, Bombay.	College Science Improvement Programme - Selected Colleges - Project: Grant-in-aid.	4th	40,000
Sophia College Bhulabhai Desai Road, Bombay.	Provision of equipment and furniture for the Library Building.	1st	1,00,000
Total:			3,07,945.38

14. University of Burdwan.

Financial assistance to teachers in the universities and colleges for undertaking research or learned work in sciences - Payment of first instalment of grant (Code No.5533).	1st	3,500
Junior Research Fellowships in Sciences/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	61,500
-do-	2nd & final	41,000
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.		900

Burdwan University (Contd.)

Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
Payment of grant towards the salary of staff appointed in Humanities and Social Sciences - Departments under 4th Plan Development Schemes.		5,964

Affiliated Colleges

B.N. Mahavidyalaya, PO Titachuna (Hooghly)	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant (Code No.5562).	1st	2,000
Burdwan Raj College P.O. Burdwan. Vivakananda Mahavidyalaya, Naripal (Hooghly).	-do-	1st	1,500
Panchmura Mahavidyalaya, P.O. Panchmura, Distt. Bankura. Durgapur Govt. College, Durgapur.	Grants to College Libraries for loan of books to students (Book bank).	final	2,685.87
	Financial Assistance for Non-resident Students Centre - Fourth Plan Scheme.	final	5,000
	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences/Sciences - Payment of first instalment of grant.	1st	500
Aghorakamini Prakashchandra Mahavidyalaya, Subhasnagar, PO Bangal Distt. Hooghly.	Grant for purchase of Laboratory equipments and furniture.	5th & final	4,583

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Total: 1,20,032.87

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15. Calcutta University

Financial Assistance to Teachers for research/learned work in Sciences - Payment of Second instalment of grant (Code No.4777).	2nd & final	50 0
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant (Code No.5534).	1st	2,50 0
-do-	1st	3,000
-do-	1st	3,000
-do-	1st	4,000
-do-	1st	1,000
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
-do-		122.58
-do-		900
-do-		900
-do-		795.43
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75	2nd	1,33,500
Grant-in-aid for the purchase of equipment for the department of Economics.	2nd & final	1,944
Junior Research Fellowships in Humanities including Social Sciences - Payment of Fellowship.		982.32
Award of Scholarships for honours/postgraduate studies in Arabic/Persian/Sanskrit/Pali/Prakrit to the students belonging to the Hill Areas of North Eastern Region of India during 1974-75.		1,800
-do-		1,800

Calcutta University (Contd.)

Payment of grant towards the salary of staff appointed in Science Department under the 4th Plan Development Schemes.		50,000
Setting up of Development Panels - Creation of post of the Development Officer.		1,261.41
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		100
-do-		900
-do-		900
-do-		900
-do-		900
-do-		900
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	89,000
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
Payment of grant towards the salary of staff appointed in Central Library - Fourth Plan Scheme.		5,495.67
Seminar in English Literature during 28th December, 1974 to 6th January 1975.		2,825
Payment of grant towards the salary of staff appointed in Humanities and Social Science Departments under the 4th Plan Development Schemes.		14,141.92
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
-do-		900
-do-		900
-do-		900

Calcutta University (Contd.)

Seminar on 'New Structural Pattern of Education' to be held during December, 1974 at Narasinha Datta College, Howrah. 4,750

Affiliated Colleges

Berhampur Krishnath College, Berhampur.	Students' Welfare Programme	final	6,000
Ram Baday College, Amta, Howrah.	Basic Grants to colleges for the purchase of Library Books	2nd & final	500
Seth Anand Ram Jalpuria College, 10, Raja Nabakrishna street, Calcutta.	Grant-in-aid for the extension of additional teaching accommodation, library facilities and NRSC projects.	1st	50,000
The Bhawanipur Education Society College, 5, Lala Lalpatrai Sarani, Calcutta.	Grants to college libraries for loan of books to students (Book-Bank) during Fifth Plan.	1st	16,000
Con-Hooghly College of Commerce, 112/3, Darrackgors Trund Road, Hooghly.	Students' Welfare Programme	2nd & final	4,000
Sraba Chami Walder College, PO Dakshia Barasat, 24-Parganas.	Grant to College Libraries for loan of books to students (Book-Bank).	2nd & final	2,710
Vidyasagar College for Women, Calcutta.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant (Code No.5575).	1st	1,000
Vivekananda Centenary College, Calcutta. (Distt. 24-Parganas)	-do-	1st	2,000
Jaganayadeve College Calcutta.	Financial Assistance to teachers for research/learned work in Sciences and Humanities including Social Sciences - Payment of Second instalment of grant.	2nd & final	250

Calcutta University (Contd.)

Affiliated Colleges

Midnapore College, Modnapore.	Grants to College Libraries for loan of Books to students - Book Bank.	final	5,500
The Bhawanipur Education Society College, 5, Lala Lajpati Rai Sarani, Calcutta.	Students Welfare Programme	final	2,000
Presidency College, Calcutta-12.	Enhanced value of Research Fellowships w.e.f. July, 1974 under the programme of special assistance in terms of U.G.C.'s letter No.F. 4-1/74 (SR) dated 27-7-74.		2,000
-do-	Programme of special assistance to selected departments - Centre for Economic Studies,		17,000
South Calcutta Girls College, 72, Sarat Bose Road, Calcutta.	Financial Assistance to Teachers for research/learned work in Sciences and Humanities including Social Sciences - Payment of Second instalment of grant.	2nd & final	750
Lady Brahanpug College, Calcutta.	Financial assistance to teachers in the universities & colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant (code No.5622).	1st	2,500
R.B.Chandra College, Nalbaki (Distt. 24- Parganas).	-do-	1st	1,500
-do-	-do-	1st	1,500
M.B.B. College, Agastala - Tripura. Presidency College, Calcutta.	-do-	1st	2,500
	Senior/Junior Research Fellowships in Science/ Humanities including Social Sciences - Payment of Fellowship.		200
-do-	-do-		900
Bose Institute, Calcutta.	Financial assistance to teachers in the universities & Colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant (Code No.5545).	1st	1,500

Calcutta University (Contd.)

Affiliated Colleges

Ramakrishna Mission Residential College, Narendrapur, 24 Parganas.	Financial assistance to teachers in the universities & colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant (Code No.5520)	1st	1,500
-do-	College Science Improvement Programme - Selected Colleges Project: Grant-in-aid.	2nd	50,000
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		Total:	5,06,029.33
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16. Calicut University

Financial assistance to teachers in the universities & colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant (Code No.5510).	1st	2,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	10,500
Purchase of Books and Journals Languages.		1,00,000
Financial Assistance to teachers for research/learned work in Sciences and Humanities including Social Sciences - Payment of second instalment of grant.	2nd & final	250
-do-	2nd & final	250
-do-	2nd & final	250
Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	7,000



Calicut University (Contd.)

Affiliated Colleges

Rishi Benkimchandra College, Calcutta.	Financial assistance to teachers in the universities & colleges for undertaking research or learned work in sciences - Payment of first instalment of grant (Code No.5573).	1st	250
-do-	-do-	1st	2,000
University College of Medicine, 214 B. Acharya J.C. Bose Road, Calcutta.		1st	1,500
St. Xavier's College, Calcutta.		1st	1,500
Acharya Prafulla Chandra College, New Barrackpur, 25 - Parganas, Calcutta.		1st	2,000
Bhairab Ganguly College, Calcutta.		1st	1,500
Krishnapur Govt. College, Nadla.		1st	1,000
Mahatma Gandhi Government Arts College, Maho.	Students' Aid Fund in the colleges - Grant for 1974-75.		461
M. E. S. Mampad College, Mampad, Malappuram, Distt. (Kerala).	-do-		1,000
Government Training College, Calicut.	Development of teachers training programmes in teachers training colleges - Special grant for the purchase of books and journals.	2nd	1,000
Farook College, Farook.	Development of Postgraduate Studies in Science Subjects (Mathematics).	final	9,500
-do-	Award of scholarships for postgraduate studies in Arabic during 1974-75.		1,800
St. Thomas College, Trichur (Kerala).	Students' Aid Fund in the colleges - Grant for 1974-75.		2,100

Calicut University (Contd.)

Affiliated Colleges

Malabar Christian College, Calicut.	Financial assistance to teachers 1st in the universities & Colleges for undertaking research or learned work in sciences - Payment of first instalment of grant (Code No. 5624)	1,500
Farook College, Farook.	Construction of Gymnasium.	10,000

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Total: 1,47,301

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17. Cochin University

Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.		6,000
Writing of university level books/monographs.		1,887.10
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd &	4,000
Writing of university level books/monographs.		3,000

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Total: 15,787.10

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18. Delhi University

Staff salary in Diploma Course in Child Health and Anaesthesia.	final	13,609.30
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering and Technology/Utilization of services of retired teachers - payment of contingency grant.		2,000
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.		900
-do-		154.84
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	1,33,500
Construction of extension to the Main Administration Building (including furniture)	final	1,510.23
Grant for purchase of equipment and teaching aids - Department of Business Management and Industrial Administration.	2nd	45,000
Senior/Junior Research Fellowships in Science/Humanities/Engineering & Technology - extension in fellowship tenure - payment of fellowship to Shri Hira Lal Das (Code No.8438).		2,400
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		541.94
Unassigned grant for the year 1974-75.	1st	33,000
Construction of Day Students Centre.	final	28,558.84

Delhi University (Contd.)

Senior/Junior Research Fellowships in Science/Humanities/Engineering & Technology - extension in fellowship tenure payment of fellowship to Dr. R.A. Cahingi.		2,148.39
Payment of grant to Mr.E.V. Stoyanov under the Indo-Bulgarian Cultural Exchange Programme.		12,000
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of fellowship		300
-do-		300
Basic Grant for purchase of Books and Journals during the Fifth Five Years Plan period.	4th	1,00,000
Development of Japanese Studies - Award of scholarships.		12,000
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		100
-do-		900
-do-		900
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	89,000
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
-do-		200
-do-		900
-do-		900
Purchase of Air-Conditioner and defrigerator for use of Mr. G.Bethlenfalvy - Hungarian Language Teacher.		12,387

Delhi University (Contd.)

Implementation of Joint Project entitled "Study of Crystallization Kinetics and other Phase Transitions in High Polymers" by the Department of Physics and Astrophysics, in collaboration with the National Physical Laboratory, New Delhi.		50,000
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
-do-		900
U.G.C. Research Project entitled "Hormonal Regulation of Implantation with Particular to the Action of Estrogen and Progesterone on Nucleic Acid and Protein Synthesis in the Uterus and Blastocysts" of Delhi - Release of the 4th instalment of grant.	4th	25,000
Basic grant for purchase of books and journals during V Plan period.	3rd	50,000
Senior Research Fellowships in Humanities - Payment of Contingency grant.		500
Junior Research Fellowships in Humanities including Social Sciences - Payment of Fellowship to Smt. Shusbini L. Kumar Rao.		2,720

Affiliated Colleges

Delhi College, Ajmeri Gate, Delhi.	Writing of university level books/monographs.	3,000
I.P. College for Women, New Delhi.	Award of Scholarships for honours/postgraduate studies in Arabic/Persian/Sanskrit/Pali/Prakrit to the students belonging to the Hill Areas of North Eastern Region of India during 1973-74.	1,800
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Delhi University (Contd.)

Affiliated Colleges

Shri Ram College of Commerce, Delhi-7.	Purchase of Water Cooler		4,000
-do-	Construction of Teachers' Hostel.		15,000
Dashbandu College, Kalkaji, New Delhi.	Construction of Lecture rooms in the Science Block of the college.		40,000
Hindu College, Delhi.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant (Code No.5576-b)	1st	1,750
Atma Ram Sanatan Dharam College, Delhi.	-do-	1st	2,000
P.G.D.A.V. College, Delhi.	Financial assistance to	1st	1,500
A.R.S.D. College, Delhi.	-do-	1st	1,000
Delhi College, Evening Classes, Delhi.	-do-		750
Satyawati Co-educational College (Evening), Timarpur, Delhi.	Purchase of Library Books for the courses introduced w.e.f. 1973-74.		20,000
-do-	Purchase of Equipment and furniture for general use.		4,000
Bharati Mahila College, Link Road, New Delhi.	Colleges affiliated to the Delhi University - Provision for the purchase of Water Cooler.		5,500
Miranda House, Delhi-7.	Renewal of scholarships for postgraduate studies in Humanities to the students belonging to the Hill Areas of North Eastern Region of India during 1974-75.		1,800
Daulat Ram College, Delhi.	Construction of Teachers Hostel.		1,50,000

Delhi University (Contd.)

Sri Venkateswara College, Delhi.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	2,500
Swami Sharadhanand College, Delhi.	-do-	1st	1,500
Indian Institute of Mass Communication, D-13, South Extension, Part II, New Delhi.	Writing of university level books/monographs.		1,874.20
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Total:			8,81,904.74
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19. Dibrugarh University

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	31,000
-do-	2nd	20,500
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences/Sciences - Payment of first instalment of grant.	1st	1,000

Affiliated Colleges

Chandra Kamal Bazbaruah Commerce College, Jorhat.	Grants to colleges libraries loan of books to students (Book-Bank) during Fifth Plan.	1st	8,000
North Lakhimpur College, North Lakhimpur (Assam).	-do-	1st	8,000

Dibrugarh University (Contd.)

Affiliated Colleges

Sibsagar Girl's College, Sibsa-gar.	Financial assistance for purchase of Books and Journals during IV Plan period.		2,250
Sibsagar College PO Joysagar T.O. Sibsa-gar.	Grants to college libraries for loan of books to students (Book-Bank) during Fifth Plan.	1st	8,000
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Total:			78,750
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20. Gauhati University

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	41,000
-do-	2nd	47,500
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.		900

Affiliated Colleges

B. Baroach College, Gauhati.	Grants to college libraries for loan of books to students (Book-Bank) during Fifth Plan.	1st	8,000
Cochar College, Silchar.	-do-	1st	8,000
Halbari College, Halbari.	Utilisation of services of Retired Teachers - Payment of honorarium - Payment in respect of extension cases 1974-75.		3,000
-do-	-do-		1,000



Gauhati University (Contd.)

Affiliated Colleges

Pragjyotish College, Gauhati.	Construction of additional class room and additional laboratories.	3rd	40,000
Arya Vidyapeeth College, Gauhati.	Grants to colleges libraries for loan of books to students - Book Bank	2nd & final	6,750
Karimganj College, PO Karimganj, Distt. Cachar.	-do-	1st	8,000
Nowgong College, Nowgong.	-do-	1st	8,000
Bhola Nath College, Dhubri.	-do-	1st	8,000
Nalbari College, Nalbari.	-do-	1st	8,000
Imphal College, Imphal	-do-	1st	8,000
Anandram Dhekial Phukan College, Nowgong.	-do-	1st	8,000
Handique Girls College, Gauhati.	-do-	1st	8,000
D.M. College, Imphal.	Financial assistance to teachers for research/ learned work in Sciences & Humanities including Social Sciences - Payment of Second instalment of grant.	2nd & final	600
Nowgong College, Nowgong.	Grants to colleges for purchase of laboratory equipment.	2nd & final	7,550
Pandu College, Pandu, Gauhati-12.	Grants to colleges libraries for loan of books to students (Book-Bank)	2nd & final	250
Gurucharan College, Silchar.	Improvement of Library & Laboratory facilities - Release of final grant.	5th & final	9,572
Tihu College, Tihu.	Financial Assistance to Teachers for research/ learned work in Sciences and Humanities including Social Sciences - Payment of Second instalment of grant.	2nd & final	250

Gauhati University (Contd.)

Affiliated Colleges

D.M. College, Imphal.	Financial Assistance to teachers 2nd & for research/learned work in final Sciences - Payment of Second instalment of grant.		350
G.P. Women's College, Imphal.	-do-	2nd & final	750
Pregajyotish College, Gauhati-9.	Grants to college Libraries for loan of books to students (Book-Bank) during Fifth Plan.	1st	8,000
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Total:			2,39,472
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21. Garhwal University

Financial assistance to teachers 1st in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.		1,000
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Affiliated Colleges

Govt. Degree College, Jaiharikhal.	Students' Aid Fund in the colleges-Grant for 1974-75.		192
Govt. Degree College, Uttarkashi.	-do-		226
Birla Government Degree College, Srinagar.	-do-		545
D.A.V. (Postgraduate) College, Dehradun.	Construction of Class-Rooms and Water-storage Tanks.	4th	25,000
Birla Government Postgraduate College, Srinagar, Pauri (Garhwal).	Financial Assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant (Code No.5522).	1st	1,000
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Total:			27,963
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22. Gorakhpur University.

Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowships.		246.67
University Grants Commission 2nd Assistance for the research project entitled "Thermodynamics of Dissipative Structure and Other Related Far From Equilibrium Phenomena" of Professor R.P. Rastogi, Department of Chemistry, during Fifth Five Year Plan period - Payment of 2nd instalment of grant for the purchase of equipment.	2nd	35,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	31,000
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.		900
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	20,500
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
-do-		900

Affiliated Colleges

Satish Chandra College, Ballia.	Students' Aid Fund in the colleges-Grant for 1974-75.	3,750
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Gorakhpur University (Contd.)

Affiliated Colleges

St. Andrew's College, Gorakhpur.	Financial assistance to teachers for research/ learned work in Sciences - Payment of Second instalment of grant (Code No.4597)	2nd & final	500
S.C. College, Ballia.	Financial assistance to teachers in the universities and colleges for undertaking for research or learned work in Sciences - Payment of first instalment of grant.	1st	1,500
K.S. Saket, P.G. College, Faizabad.	-do-	1st	2,500
S.M.M. Town (P.G.) Mahavidyalaya, Ballia.	-do-	1st	1,500
Shri Gandhi Mahavidyalaya, Maltari (Distt. Azamgarh).	Students' Aid Fund in the colleges-Grant for 1974-75		1,750
Mahatma Gandhi Degree College, Gorakhpur.	-do-		1,198
National Degree College, Barhalganj.	-do-		2,250
K.S. Saket Mahavidyalaya, Faizabad.	-do-		3,728
Lal Bahadur Shastri Mahavidyalaya, Mughalsarai, Varanasi.	-do-		1,750
Udai Pratap College, Varanasi.	Writing of university level books/monographs		4,450
Mahatma Gandhi Memorial College, Gorakhpur.	Construction of lecture- rooms, science laboratories and purchase of laboratory equipment and furniture.	2nd	21,000
Sri Murli Manohar Town Mahavidyalaya, Ballia.	Financial Assistance to Teachers for research/ learned work in Sciences and Humanities including Social Sciences.	2nd & final	300

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Total: 1,63,585.67

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23. Gujarat University

Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.		622.58
-do-		240
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	41,000
Construction of Men's Hostels - Sanction of grant for.		60,000
VII Annual Conference of the Indian Pharmacological Society at Ahmedabad from 27th December 1974 to 29th December, 1974.		3,000
Construction of Women's Hostel - Sanction of grant for.		80,000
Scheme for Development of Computer Centre.		1,50,000
Starting a Postgraduate Centre in Space Sciences - Sanction of grant.		53,000

Affiliated Colleges

Shri R.D. Shah College of Education, Molaga.	Development of teachers training programmes in teachers training colleges.		7,000
Navjivan Arts and Commerce College, Dahod.	Construction of Additional Teaching Accommodation.	final	4,977
U.P. Arts College & Smt. M.G. Panchal Science College, Pilavai.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	1,750
M.G. Science College, Ahmedabad.	-do-	1st	1,000
St. Xavier's College, Ahmedabad.	-do-	1st	1,250
K.V. Arts & Science College, Kalol.	-do-	1st	1,500

Gujarat University (Contd.)

Affiliated Colleges

Bhavan's Arts and Science College, Daker.	Development of postgraduate studies in science subjects in affiliated colleges - Financial assistance by the University Grants Commission during the Fourth Plan period.	final	22,934
Arts and Science College, Bhadran.	Financial assistance to Colleges for purchase of Water Cooler.	final	350.26
-do-	Development of postgraduate studies in science subjects in affiliated colleges - Financial assistance by the University Grants Commission during the Fourth Plan period.	final	5,000
Vivekanand College of Arts, Raipur, Ahmedabad.	Financial assistance for construction of Men's Hostel.	final	30,734
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Total:			4,64,357.84
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24. Guru Nanak University

Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	4,000
Junior Research Fellowships in science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	6,000
IVth Plan Development Scheme - Purchase of Equipment for Humanities and Social Sciences Departments - Sanction of grant for.	final	8,415.50
Basic grant for purchase of library books and journals during the Vth plan period.		55,000

Guru Nanak University (Contd.)

Junior Research Fellowships in Science/ Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75. Establishment of Health Centre - Salary of staff.	2nd	4,000
		12,861.59

Affiliated Colleges

D. A. V. College, Jullundur-4.	Students' Aid Fund in the colleges-Grant for 1974-75.	5,000
-do-	Development of postgraduate Studies in Science - regarding.	final 2,931.64
-do-	Award of scholarships for postgraduate studies in Sanskrit - during the year 1974-75 - regarding.	1,800
R. R. Rawa D. A. V. College for Girls, Batala.	Financial assistance to college for development of play fields and purchase of accessories for games and sports.	final 1,500
Doaba College, Jullundur City.	Students' Aid Fund in the colleges-Grant for 1974-75.	3,250
Bhagwanti Laroia Memorial Girls College, Nawanshahr (Distt. Jullundur), Doaba.	-do-	750
Baba Budha College, Bir sahib (Dt. Amritsar).	-do-	750
D. A. V. College of Education for Women, Amritsar.	-do-	750
Sri Garu Anand Dev College, Bhadur sahib (Dt. Amritsar).	-do-	750
Khalsa College for Women, Amritsar.	-do-	750
Mata Ganga Girls College, Tarn Taran (Amritsar).	-do-	750
Mans Ran Mahila Mahavidyalaya, Jullundur.	-do-	3,750

Guru Nanak University (Contd.)

Affiliated Colleges

Guru Nanak College, Guru Teg Bhadur Garh (Distt. Faridkot)	Students' Aid Fund in the colleges-Grant for 1974-75	750
Lyallpur Khalsa College for Women, Jullundur.	-do-	1,000
Ratha Krishan Arya College, Nawanshahr, Doaba (Dt. Jullundur).	-do-	1,750
Govt. College for Women, Amritsar.	-do-	2,250
Baring Union Christian College, Batala.	-do-	2,250
R.R. Bawa D.A.V. College for Girls, Batala.	-do-	1,000
D.A.V. College for Women, Lawrence Road, Amritsar.	-do-	2,750
Khalsa College of Education, Amritsar.	-do-	750
Govt. Training College, Jullundur.	-do-	750
Banarsi Dass Arya Girls College, Jullundur Cantt.	-do-	750
Guru Nanak College (for Women), Charan Kanwal - Banga (Dt. Jullundur.)	-do-	750
Sikh National College, Qadian (Dt. Gurdaspur)	-do-	1,000
Guru Nanak Prem Karnesar College, Nadala (Dt. Kapurthala)	-do-	750

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Total: 1,29,508.73

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25. G.B.Pant University of Agriculture & Technology.

Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowships.	900
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GB Pant University of Agriculture & Technology (Contd.)

Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
-do-		80.65
-do-		900
Writing of University level books/monographs.		7,500
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		585.48
<b>Total:</b>		<b>10,866.13</b>

26. Haryana Agricultural University

Financial assistance to teachers for research/learned work in Sciences - Payment of second instalment of grant.	2nd & final	500
Writing of University level books/monographs.		1,500
-do-		3,000
-do-		4,500
-do-		3,000

Affiliated Colleges

College of Basic Science & Agriculture, Hissar.	Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
College of Basic Sciences, Hissar.	-do-		87.10
<b>Total:</b>			<b>13,487.10.</b>

27. Himachal Pradesh University

Construction of Women's Hostel for 80 students.	3rd	1,00,000
Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	6,000
Allocation of Unassigned grant during Vth plan period. Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences/Sciences - Payment of first instalment of grant.		12,500
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	4,000

Affiliated Colleges

National College, Simla.	Students' Aid Fund in the colleges-Grant for 1974-75	750
Gowswami Ganesh Datt S.D. College, Baijnath (Dt.Kangra).	-do-	1,000

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Total: 1,24,250

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28. Indore University

Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		103.23
Allocation of unassigned grant during the V Plan - Release of grant for.	1st	12,500

P.T.O.

Indore University (Contd.)

	Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	21,000
	-do-		
	V Five Year Plan - Establishment of Postgraduate Teaching Departments - Appointment of Teaching Staff.	2nd	20,500
	Appointment of Deans of Students Welfare.		15,000
	Travel grant to Dr. Iqbal Ahmed, Lecturer in Zoology, PMB Gujarati College, Indore - sanction of grant for.		1,920
			3,294
<u>Affiliated Colleges</u>			
Govt., Arts and Commerce College, Indore.	Senior/Junior Research Fellowships in Science/Humanities including Social science - Payment of Fellowship.		900
	-do-		
Indore Christian College, Indore.			900
G.S. Institute of Technology & Science, Indore.	Financial Assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	1,750
Govt. Degree College, Mhow.	Purchase of Laboratory Equipments - sanction of grant for the.	2nd & final	1,943.73
-do-	Assistance for purchase of Semi-Micro Analysis Equipment for the Chemistry Department.		4,999.67
Shri G.S. Institute of Technology and Science, Indore.	Financial Assistance to teachers for research/learned work in Sciences - Payment of second instalment of grant.	2nd & final	500
-do-	-do-	2nd & final	500

Indore University (Contd.)

Affiliated Colleges

Wolkar Science College, Indore.	University Grants Commission Assistance for the Research Project entitled "Study of Dielectric Properties of Certain Complexes and of Organic Semi Conductors Followed by Transition Metals" of Dr. R.G. Aliknindi, Professor of Physics, Fifth Five Year Plan period - Approval of the transfer of the project from Indore University to Wolkar Science College and release of the 1st instalment of grant.	10,000
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Total:	95,810.63
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29. Jabalpur University

Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships Engineering and Technology/Utilisation of services of retired teachers - payment of contingency grant.	1,438.36
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.	900
-do-	900
-do-	900
Basic grant for the purchase of scientific equipment during the 5th Five Year Plan period.	90,000

Jabalpur University (Contd.)

Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering & Technology/Utilisation of services of retired teachers - payment of contingency grant to Km. A. Dass.		1,500
Basic grant for the purchase of Library books & journals during the 5th Five Year Plan period (Science Departments).		50,000
	-10-	50,000
(Humanities Department)		
Junior Research Fellowships in Sciences/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	27,500
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	41,000
Senior/Junior Research Fellowships in Science/Humanities/Engineering & Technology - extension in fellowship tenure payment of fellowship to Dr. R.K.Pandey.		2,264.52
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
<b>Total:</b>		<b>2,68,202.88</b>

30. Jadavpur University (Contd.)

Writing of university level books/monographs.		2,000
Award of scholarship at Master's level to Miss Rita Dutta under area studies programme.		120
Writing of university level books/monographs.		1,500
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	27,500
Payment of grant towards the salary of staff appointed in Science Departments under the 4th Plan Development Schemes.		25,000
Payment of grant towards the salary of staff appointed in Humanities and Social Sciences Departments under the 4th Plan Development Schemes.		60,000
Fellowship for the students admitted to P.G. Course in Pharmacy (1972-73) batch.		40,000
Grant-in-aid for the purchase of equipment for Economics Department - 4th Plan.	2nd & final	180
Grant-in-aid towards the construction of Sub-staff quarters - 4th Plan.	1st	25,000
Purchase of books in Engineering & Technology.		73,000
Equipment - P.G. Course in Electrical Engineering - IV Plan Additional grant.	2nd	1,25,000
Equipment - P.G. Course in Chemical Engineering - 4th Plan Additional grant.	3rd	50,000
Equipment and furniture - Degree course in Mechanical Engineering, IV Plan Additional grant.		30,000
Programme of Special Assistance to Selected Departments - Department of Geology.		1,24,489.23

Jadavpur University (Contd.)

Junior research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	41,000
Senior/Junior research Fellowships in Science/Humanities including Social Science- Payment of Fellowship.		312.90
-do-		900

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Total: 6,26,002.13

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31. Jammu University

National Associateship		194.60
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	13,500
-do-		
Financial Assistance to Teachers for research/learned work in Sciences - Payment of Second instalment of grant.	2nd 2nd & final	20,500 250

Affiliated College

Government College of Education, Jammu.	Development of teachers training programmes in teachers training colleges.	1,000
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Total: 35,444.60

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P.T.O.

32. Jawaharlal Nehru University

Basic grant for purchase of library books and journals for Postgraduate centre at Imphal during Vth Plan.	1st	50,000
Construction of 92 staff quarters in Section I of the Jawaharlal Nehru University Campus.	11th	5,00,000
Construction of 2 Hostel Blocks for 600 students, 12 Women quarters, 72 quarters for Faculty staff and Cafeteria in Sector IV of J.N.U. Campus.	14th	8,00,000
Basic grant for purchase of scientific equipment for University Postgraduate centre at Imphal during Vth Plan period.	1st	50,000
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences/Research Fellowships in Engineering & Technology/Utilisation of services of retired teachers - payment of contingency grant.		1,500
Construction of 3 Hostel Blocks for 600 students in Sector I of the J.N.U. Campus.	6th	12,00,000
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.		900
Writing of university level books/monographs.		5,500
Provision of furniture for students' Hostel Blocks in sector I of the J.N.U. Campus.	1st	20,000
Survey of the University Campus through the surveyor General of India.	final	19,117
Construction of computer Centre building in the J.N.U. Campus.	5th	2,50,000



Jawaharlal Nehru University (Contd.)

Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
-do-		900
Construction of School Building at J.N.U.	5th	5,00,000
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
-do-		900
-do-		900
Regarding reimbursement of the expenditure incurred by the University towards the lodging charges of Professor Alois Vierlacher from the University of Heidelberg.		1,600
Construction of ducts for providing airconditioning in the Computer Centre at JNU Campus.	2nd	1,00,000
Construction of 82 B & C Type quarters at JNU Campus.	3rd	2,00,000
<b>Total:</b>		<b>37,04,017</b>

33. Jiwaii University

Junior Research in Fellowships in science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	31,000
-do-	2nd	20,500

Affiliated Colleges

Jain Degree College, B'ind.	Students' Aid Fund in the colleges-Grant for 1974-75.	1,750
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Jiwaji University (Contd.)

Affiliated Colleges

Rishi Galav Degree College, Morens.	Block grant for 1970-72 (cent per cent grant)	2nd & final	1,125
Madhav Institute of Technology & Science, Gwalior.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	1,750
Ambah Postgraduate College, Ambah (Morena).	Development of Postgraduate Studies in Humanities and Social Sciences.		8,995
Kamala Raja Girls' College, Gwalior.	Construction of Teaching Accommodation.	4th	10,000
Govt. College, Sheopur Kalan (Morena).	Financial Assistance to Teachers for research/learned work in Sciences - Payment of Second instalment of grant.	2nd & final	250

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Total: 75,370

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34. Jodhpur University

Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.		555.48
-do-		900
National Associateship - Dr. B.D. Sharma.		183.45
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowships.		900
-do-		900
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	20,500
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.		900

Jodhpur University (Contd.)

Basic grant for the purchase of Library books and journals during the 5th Five Year Plan Period (Humanities Departments)		30,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	31,000
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	1,500
-do-	1st	500
-do-	1st	2,000
Renewal of Scholarships for postgraduate studies in Sanskrit during 1974-75.		1,800

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Total: 91,638.93

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35. Kalyani University

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	20,500
Grant-in-aid for the purchase of library books - 5th Plan Basic grant.	1st	1,00,000
Grant-in-aid for the purchase of scientific equipment for the various Science Departments - 5th Plan Basic grant.	1st	1,00,000
Grant-in-aid for the purchase of library books (H) Central Library.	final	6,124
Construction of Building for students amenities - Common Room, Canteen & Cycle Stand.	1st	40,000

P.T.O.

Kalyani University (Contd.)

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	31,000
Senior/Junior Research Fellowships in Science/ Humanities including Social Science - Payment of Fellowship.		900

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Total: 2,98,524

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36. K.S. Darbhanga Sanskrit University

Senior/Junior Research Fellowships in Science/ Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	10,500
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Total: 10,500

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37. Kanpur University

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	31,000
-do-	2nd	20,500

Affiliated Colleges

P.P.N. College, Kanpur.	Senior/Junior Research Fellowships in Science/ Humanities including Social Sciences - Payment of Fellowship.	900
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P.T.O.

Kanpur University (Contd.)

Affiliated Colleges

Durga Narayan Degree College, Fatehgarh.	Grants to college libraries for loan of books to students - Book Bank	final	2,675.37
V.S.S.D. College, Kanpur.	Utilization of services of retired teachers - payment of contingency grant.		1,000
Atara Degree College, (Atara(Dt. Banda)	Students' Aid Fund in the colleges-Grant for 1974-75.		2,750
Jwala Devi Vidyanagar Degree College, Anand Bagh, Kanpur.	-do-		415
V.S.S.D. College, Kanpur.	Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.		900
Christ Church College, Kanpur.	-do-		900
P.P.N. College, Kanpur.	Students' Aid Fund in the colleges-Grant for 1974-75		1,764
Atarra Degree College, Atarra (Banda),	Financial Assistance to Teachers for research/learned work in Sciences and Humanities including Social Sciences - Payment of second instalment of grant.	2nd & final	500
R.S.G.U. Degree College, Pukhrayan, Kanpur.	Construction of Library Building.	3rd	10,000
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Total:			73,294.37
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3. Karnatak University

First Annual Congress of the Epigraphical Society of India.		2,000
Junior Research Fellowships in Science/Humanities and Social Science - Allocation of funds for implementation of the scheme during 1974-75.	2nd	72,000

Karnatak University (Contd.)

UGC National Fellowship Scheme - Prof. KJ Shah.		1,139
U.G.C. Assistance for the Project entitled "Polarization Effects on the Energy Loss of Electrons" of Dr. N. Umakantha, Department of Physics - Fifth Five Year Plan period - Release of the final instalment of grant of Rs.12,000/-.	final	12,000
Senior/Junior Research Fellowships in Science/ Humanities including Social Science - Payment of Fellowship.		900
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	48,000
Senior/Junior Research Fellowships in Sciences/ Humanities including Social Sciences/Research Fellowships in Engineering & Technology/ Utilisation of services of retired teachers - payment of contingency grant.		247.35
Utilisation of services of Retired Teachers - Payment of contingency grant in respect of extension cases - 1974-75.		1,000
-do-		3,000
-do-		3,000
-do-		1,000

Affiliated Colleges

P.L.D.K. Association's Arts, Science College, Nankbhandi, Dist. Bijapur.	Grant for Laboratory Equipment.	final	2,500
S.M.Bhandari Arts College, Guldegud (Dt. Bijapur).	Students Welfare Programme	2nd & final	2,500

Karnatak University (Contd.)

Affiliated Colleges

Smt. A.S.M. College for Women, Bellary.	Construction of Women's Hostel.	4th	30,000
Vijayanagar College, Hospet (Distt. Bellary)	Additional Teaching Accommodation.	1st & final	67,674
Govt. College, Gulbarga.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	1,500
Gadleppa Mallitari College, Haveri, Distt. Dharwar.	Purchase of Laboratory Equipment.	final	2,500
Arts & Science College, Jamkhandi (Distt. Bijapur).	Financial Assistance to Teachers for research/learned work in Sciences and Humanities including Social Sciences - Payment of Second instalment of grant.	2nd & final	750
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Total:			2,51,710.35
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39. Kashi Vidyapeeth

Students Amenities	30,000
Construction of Road Pavements and Light.	
Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering & Technology/Utilisation of services of retired teachers - payment of contingency grant.	1,000
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.	900

Kashi Vidyapeeth (Contd.)

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	27,500
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900

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Total: 60,300

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40. Kashmir University

Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.		900
-do-		900
IV Annual Conference of Indian Academy of Cytologists.		3,000
Salary of additional staff sanctioned for various Humanities and Social Science Departments under IVth Plan.	final	76,465.24
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	13,500

Affiliated College

Islamia College, Srinagar.	Financial assistance to teachers in the universities and the colleges for undertaking research or learned work in Sciences.	1st	1,500
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Total: 96,265.24

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41. Kerala University

Development of Higher Education during Fifth Plan period - studentships to Post M.Sc. Diploma Course in Space Physics grant-in-aid for 1974 - regarding.	1st	10,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	72,000
Writing of university level books/monographs.		4,500
Senior/Junior Research Fellowships in Science/Humanities/including Social Sciences - Payment of Fellowship.		103.23
-do-		535.48
-do-		900
-do-		900
-do-		900
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	48,000
Senior/Junior Research Fellowships in Science/Humanities including Social science - Payment of Fellowship.		900

Affiliated Colleges

Mar Thoma College, Tiruvalla-3.	Development of Postgraduate studies in science subjects in affiliated colleges - Financial assistance by the University Grants Commission during the Fourth Plan period - (Botany Department).	9,000
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P.T.O.

Kerala University (Contd.)

Affiliated Colleges

K.K. College, Mannanem PO (Distt. Kottaiam).	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	2,500
Govt. Sanskrit College, Patiambi, Kerala.	Award of Scholarships for the honours/postgraduate studies in Arabic/Persian/Sanskrit/ Pali/Prakrit to the students belonging to the Hill Areas of North Eastern Region of India during 1974-75.		1,800
St. John's College, Anchal.	Financial Assistance to Teachers for research/ learned work in Sciences and Humanities including social Sciences - Payment of Second instalment of grant.	2nd & final	500
Loyala College of Social Sciences, Sreekaryam P.O. Trivandrum-17.	Writing of university level books/monographs.		1,727.81
St. Xavier's College of Women, Alwaye.	Construction of Women's Hostel.	final	5,397
Morning Star Home Science College, Angamaly.	Women's Hostel-Assistance towards.	3rd	10,000
S.D. College, Alloppy-3.	Financial Assistance to Teachers for research/ learned work in Sciences- Payment of Second instalment of Grant (Code No.4005).		250

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Total: 1,69,913.52

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42. Kumaon University

Affiliated Colleges

D.S.B. Postgraduate College, Nainital.	Utilization of services of retired teachers - payment of contingency grant.		999.96
R.M. Government Degree College, Kashipur.	Students' Aid Fund in the colleges - Grant for 1974-75.		599
D.S.B. Govt. College, Nainital.	Development of Postgraduate Studies in the Science subjects.		707.90
Govt. Postgraduate College, Almora.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	3,250
D.S.B. Govt. College, Nainital.	Financial assistance to Teachers for research/learned work in Sciences - Payment of Second instalment of grant.	2nd & final	500
Total:			6,056.86

43. Kurukshetra University

Senior/Junior Research Fellowships in Science/Humanities including Social science - Payment of Fellowship.		900
-do-		900
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	1,500
-do-	1st	2,500
Basic grant for the purchase of Library Books & Journals during Vth Plan.		75,000

Kurukshetra University (Contd.)

Basic grant for the purchase of Scientific Equipment during Vth plan period.		1,75,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	31,000
Award of Scholarships for honours/postgraduate studies in Arabic/Persian/Sanskrit/Pali/Prakrit to the students belonging to the Hill Areas of North Eastern Region of India during 1974-75.		1,800
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	20,500
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
-do-		900
Unassigned grant for the year 1974-75.	2nd	12,500
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900

Affiliated Colleges

Kakraparti Bhavan- arayana College, Vijayawada.	Construction of Non- Residents' Students Centre.	3rd	15,000
Ahir College, Rewari.	Construction of Teachers' Hostel.	5th	20,000
Pt. Jawaharlal Nehru Govt. College, Faridabad.	Students' Aid Fund in the colleges - Grant for 1974-75.		1,750

Kurukshetra University (Contd.)

Affiliated Colleges

S. A. Jain College, Ambala City.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	2,000
Daya Nand College, Hissar.	-do-	1st	1,700
D.A.V. College, Puneri.	-do-		750
Vaish College of Education, Rohtak.	Students' Aid Fund in the colleges-Grant for 1974-75.		750
Guru Nanak Girls College, Yamunanagar.	-do-		750
-do-	-do-		1,750
C.R. College of Education, Hissar.	-do-		600
National College, Sirsa.	-do-		1,750
S.D. College, Ambala Cantt.	-do-		3,250
Mukand Lal National College, Yamunanagar.	-do-		3,750
Alarsh Mahila Mahavidyalaya, Bhiwani.	-do-		1,000
I.B. College, Panipat.	-do-		1,750
Hindu College, Sonapat.	-do-		3,750
D.A.V. College for Girls, Yamunanagar.	-do-		1,000
Kamala Memorial College, Narwana.	-do-		1,000
B.M.C. Govt. College, Bhiwani.	-do-		2,250
R.B.S. College for Women, Rewari.	-do-		362
Guru Nanak Bhalsa College, Farnala.	-do-		750
S.D. College, Palwal.	-do-		1,000
Ahir College, Rewari.	-do-		2,250

Kurukshetra University (Contd.)

Affiliated Colleges

Hindu Girls College, Jagadhri.	Students' Aid Fund in the colleges-Grant for 1974-75.		1,000
B.P.S. College of Education for Girls, Khanpur Kalan, Sonapat.	-do-		750
Shahed Udham Singh Memorial College, Sunam.	-do-	final	3,084.90
Govt. College, Jind.	Grants to colleges for Laboratory Equipments.	final	3,966.40
Govt. College, Karnal.	Grants to colleges for Laboratory Equipments.	2nd & final	5,000
C.B.M. Jat College, Wissar.	Students' Aid Fund in the colleges-Grant for 1974-75.		1,074
Vaish College, Rohtak.	-do-		2,750
Technological Institute of Textiles, Bhiwani.	-do-		1,000
Haryana Mahavidyalaya, Beri, PO Dujana.	-do-		750
D.A.V. College, Wasangarh(Rohtak).	-do-		750
Haryana War Heroes' Memorial College, Gohana (Dt. Sonapat).	-do-		1,000
Hindu College of Education, Sonapat.	-do-		750
Dyal Sing College, Kharnal.	-do-		2,750
A.I. Jat Heroes' Memorial College, Rohtak.	-do-		2,250
J.V.M.G.R.R. College, Charkhi Dabri.	-do-		1,750
Govt. College, Kurukshetra.	Financial assistance to Teachers for research/learned work in Sciences - Payment of Second instalment of grant.	2nd & final	1,250

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Total: 4,23,086.30

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Lucknow University

Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.	548.39
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences/Research Fellowships in Engineering & Technology/Utilisation of services of retired teachers - payment of contingency grant.	1,518.27
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.	900
-do-	900
Utilisation of services of Retired Teachers - Payment of honorarium.	3,000
-do-	3,000
Utilisation of services of retired teachers - payment of contingency grant in respect of extension cases - 1974-75.	1,000
-do-	1,000
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.	900
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	42,500
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.	900
-do-	622.58
-do-	625.81
-do-	189.03

Lucknow University (Contd.)

Junior Research Fellowships in science - extension in fellowship tenure - payment of fellowship to Smt. Vijay Mumari Jain.		1,406.45
Construction of 38 Women's Hostel - Sanction of grant for.		15,000
Construction fo 300 Boys Hostel - Sanction of grant for.		1,00,000
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	2,000
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		651.61
-do-		900
-do-		900
-do-		900
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	61,500
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
-do-		900
-do-		900
-do-		900
-do-		785.71
-do-		900
-do-		900
-do-		900



Magadh University (Contd.)

Affiliated Colleges

B.S.N.V. Degree College, Lucknow.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	2,000
-do-	-do-	1st	2,250
Khur. Khun Ji Girls Degree College, Lucknow.	Construction of 4 class-rooms	3rd	10,000
Navyug Kanya Mahavidyalaya, Lucknow.	Students' Aid Fund in the colleges-Grant for 1974-75.		2,250
Sri Jai Narain Degree College, Lucknow.	-do-		5,000
K.G.'s Medical Colleg Lucknow.	Travel grant for Dr. M.K. Goel for attending the World Congress of the International Society for Prosthetics and Orthotics from 8th October to 12th October, 1974 at Switzerland.		3,901.50
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Total:			2,73,349.35
			<hr/>

45. Madras University

Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	3,250
Senior/Junior Research Fellowships in science/Humanities including Social Science - Payment of Fellowship.		900
Scheme of Catalogus Catalogorum - release of grant for.		29,050

Madras University (Contd.)

Grant-in-aid for the award of Junior Fellowship to the Post-graduate courses in Engineering & Technology students admitted during the academic year 1973-74 at the A.C. College of Technology.		42,408.35
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
-do-		250
Area studies programme - basic grant for purchase of library books and journals - V Plan period.	1st	2,000
Development of area studies - Release of grant for purchase of books and journals.		12,000
Establishment of 6 Study Centres during IV Plan development schemes.		15,914
Centre of Advanced Study in Botany - International Symposium on Taxonomy of Algae for 1974-75.		15,000
Senior/Junior Research Fellowships in Science/Humanities including Social Science/Research Fellowships in Engineering & Technology - Payment of Fellowship.		900
-do-		220
Centre of Advanced Study in Philosophy - Statements of expenditure incurred for the ending 1.4.1973 to 31.3.1974 - forwarding of.		60,000
Visit of Dr. P. Govindarajulu, Reader in Endocrinology, P.G. Institute of Basic Medical Sciences to U.K. under the Programme of Exchange of visits by Younger Scientists between India and U.K. during 1974-75.		10,498

Madras University (Contd.)

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	89,000
Establishment of Book-Bank in Engineering & Technological Institutes/Departments of the Universities.	final	14,292
Writing of university level books/monographs.		198.15
-do-		241.94
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	1,33,500
Writing of university level books/monographs.		4,332.58

Affiliated Colleges

Sri Vasavi College, P.O. PIN 638316 (via) grade R.M.S. (Tamil Nadu).	Construction of Laboratory Block - Assistance for.	final	5,000
Holy Cross College, Tiruchirapalli.	Construction of additional class-rooms.	final	65,000
Madras Medical College, Madras.	Writing of university level books/monographs.		500
Holy Cross College, Toppukulam Press, Tiruchirapalli-2.	Construction fo Residential flats for teachers.		30,000
Sreethalakshmi Ramaswami College, P.B. No.348, Tiruchirapalli.	Grants towards the loan of books to students - setting up of book banks.	1st	14,000
Auxilium College, Katpadi Extension, Vellore-6.	-do-	1st	8,500
St. Joseph's College, Post Box No.315, Tiruchira- palli-2.	-do-	1st	14,000
Sri Vasavi College, (Via) Erode R.M.S. Tamilnadu.	-do-	1st	8,500

Madras University (Contd.)

Affiliated Colleges

Agurchand Manmull Jain College, Meenambakkam, Madras.	Grant towards the loan of books to students - setting up of Book Banks.	1st	11,250
Sri Avinashilingam Home Science College, Coimbatore-11.	-do-	1st	11,250
P.S.G. College of Technology, Coimbatore.	Writing of university level books/monographs.		3,870
Sir Theagaraya College, Madras-21.	-do-		1,967.79
Seethalakshmi Ramaswami College, Tiruchirappalli.	Students' Aid Fund in the colleges-Grant for 1974-75.		3,750
Presidency College, Madras.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in sciences - Payment of first instalment of grant.	1st	3,000
Govt. Arts College, Villupur.	Students' Aid Fund in the colleges-Grant for 1974-75.		1,000
Loyole College, Madras-34.	Grant towards the loan of of books to students - setting up of book banks.	1st	14,000
-do-	Students' Aid Fund in the colleges-Grant for 1974-75.		3,750
Auxilium College, Gandhinagar, Vellore.	-do-		1,750
Sri Avinashilingam Home Science College for Women, Coimbatore.	-do-		3,250
P.S.G. Arts College, Civil Aerodrome Post, Coimbatore.	Grant towards the loan of books to students - setting up of book banks.	1st	14,000
Sacred Heart College, Tirupattur North Arcot.	-do-	1st	8,500
Kamal Mohamed College, Khajaganagar, Tiruchirappalli.	-do-	1st	17,000

Madras University (Contd.)

Affiliated Colleges

Kandaswami Kandar's College, Velur (Salem).	Financial Assistance to Teachers for research/learned work in Sciences and Humanities including Social Sciences - Payment of Second instalment of grant.	2nd & final	750
P.S.G.R. Krishnamal College for Women, Poolanadu, Coimbatore.	Grant towards the loan of books to students-setting up of book banks.	1st	8,700
Govt. Arts College, Coimbatore.	-do-	1st	11,250
Holy Cross College, Teppakulam Post, Tiruchirapalli.	-do-	1st	11,250
Mallamatha Gaunder Mahalingam College, Pollathi.	-do-	1st	8,500
Swaraka Dass Goverdhan Dass Vaishnev College, Madras.	-do-	1st	11,250
R.V.C. College, Manuampaudal, Nayuram (Thanjavur District).	-do-	1st	11,250
Pachaiyappa's College, Madras.	-do-	1st	16,875
Govt. Training College, Kamarapalayam, Salem.	Students' Aid Fund in the colleges-Grant for 1974-75.		744
The New College, 49, Peters Road, Madras-14.	-do-		4,250
K.K. Govt. Arts College for Men, Tiruverur.	-do-		942
Pachaiyappa's College, Madras-20.	-do-		2,457
Etella Tarls College, Madras.	-do-		2,750
Sacred Boys College, Tirupattur, North Arcot.	-do-		1,045

Madras University (Contd.)

Affiliated Colleges

Coimbatore Institute of Technology, Coimbatore.	Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering and Technology/Utilisation of services of retired teachers - payment of contingency grant.		1,000
Christian Medical College, Vellore.	Travel grant for attending International Conference abroad - regarding Dr. Martin Isaac.		1,926
Sri Ramakrishana Mission Vidyalaya Arts College, Sri Ramakrishana Vidyalaya P.O. Perianaickenpalayam P.S., Coimbatore.	Construction of Men's Hostel	final	6,584
Aringnar Anna Govt. Arts College, Musiri (Tiruchirappalli District).	Consturction of Hostel Building.	5th	70,000
Mallamatha Goundur Mahalingam College, Pollathi.	Financial assistance to college for development of Play fields and purchase of accessories for games and sports.	2nd & final	1,562
Madras Christian College, Tambaram, Madras.	Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
Coimbatore Institute of Technology, Coimbatore.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	2,000
Pachaiyappa's College, Madras.	-do-	1st	1,750
P.S.G. Arts College, Coimbatore.	-do-	1st	2,000

Madras University (Contd.)

Affiliated Colleges

Madras Christian College, Madras.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	3,000
Loyola College, Madras.	-do-	1st	1,750
P.S.G. College of Technology, Coimbatore.	-do-	1st	2,000
St. Joseph's College, Tiruchirapalli.	-do-	1st	1,750
Thirunalluvar Govt. Arts College, Rasipuram, Salem.	Financial Assistance to Teachers for research/learned work in Science - Payment of second instalment of grant.	2nd & final	250
P.S.G. Arts College, Coimbatore.	-do-	2nd & final	250

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Total: 8,67,427.81

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46. Madurai University

Junior Research Fellowships in Science/Humanities and Social Sciences - allocation of funds for implementation of the scheme during 1974-75.	2nd	41,000
All India Indo-British Summer Institute in Biology for College Teachers during 1974 - sanction of 2nd instalment of grant for.		30,000
Junior Research Fellowships in Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	27,500

P.T.O.

Madurai University (Contd.)

Payment of salaries to 4th Plan additional staff for Science departments.		10,000
College Science Improvement Programme - University Leadership Project in Biological Science at Grant-in-aid.	6th	1,00,000
	6th	1,00,000
	4th	50,000
	1st	2,500

Affiliated Colleges

V.P. Chidambaram College, Uthiramerthi.	-do-	1st	3,500
Madurai Medical College, Madurai.	Financial Assistance to Teachers for research/learned work in Sciences - Payment of Second instalment of grant.	2nd & final	200
College of Sri P. Arts, Palni.	Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
Thiagarajar College of Preceptors, Madurai.	Development of teachers training programmes in teachers training colleges.		2,000
Allagappa College, Keraikudi.	College Science Improvement Programme - Selected Colleges Project: Grant-in-aid.	4th	30,000
Scott Christian College, Nagercoil.	Financial Assistance to Teachers for research/learned work in Sciences and Humanities including Social Sciences - Payment of Second instalment of grant.	2nd & final	500
Madurai Medical College, Madurai.	Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900



Madurai University (Contd.)

Affiliated Colleges

Nadar Mahajana Sangam S. Vellaichamy Nadar College, Nagamalai, Madurai.	Construction of Additional class-room - IV plan regarding.	5th & final	2,538
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Total: 4,01,588

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47. Magadh University

Senior/Junior Research Fellowships in Science/ Humanities including Social Science - Payment of Fellowship.			564.52
-do-			900
Grant-in-aid towards the construction of Health Centre - Building.	2nd		40,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd		20,500
Grant-in-aid towards the construction of students Home.	2nd		15,000
Junior Fellowships in Science/ Humanities and Social Sciences Allocation of funds for implementation of the scheme during 1974-75.	2nd		13,500
Financial Assistance to Teachers for research/ learned work in Sciences and Humanities including Social Sciences - Payment of second instalment of grant.	2nd & final		250
Senior Research Fellowships in Humanities - Payment of fellowship and contingency grant.			8,900

F.T.O.

Magadh University (Contd.)

Construction of Guest-House	3rd	14,000
IV plan Development Schemes-		
Release of grant for.		

Affiliated Colleges

Ram Lakhan Singh Yadav College, Bakhitagpur (Patna) Bihar).	Student Welfare Programme	2nd & final	2,500
S.S. College, Jahanabad-Gaya.	Assistance towards the extension of Teaching Accommodation.	3rd	80,000
Nalanda College, Bibaraherif.	Assistance for construction of Teachers Hostel on 80:20 sharing basis.	3rd	10,000
Total:			2,06,114.52

48. Marathwada University

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	33,000
Writing of University level books/monographs.		1,500
Construction of Gymnasium Hall.	4th	50,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	22,000
Visit of Dr. K.S. Deshpande Head of the Department of Botany of U.K. under the Programme of Exchange of visits by Younger Scientists between India and U.K.		1,254
Writing of university level books/monographs.		1,850.79

Marathwada University (Contd.)

	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences/Sciences-Payment of first instalment of grant.	1st	1,000
<u>Affiliated Colleges</u>			
Nanded Education Society's Science College, Nanded.	-do-	1st	2,500
Yeshwant Mahavidyalaya, Nanded.	-do-	1st	3,500
S.B. College of Arts and Commerce, Aurangabad.	-do-	1st	750
S.R.T. College, Ambajori.	-do-	1st	2,500
Nanded Education Society's Science College, Nanded.	-do-	1st	2,500
M.G. Mahavidyalaya, Ahmedpur (Distt. Osmanabad).	-do-	2nd & final	750
S.B.E. Society's Yeshwant Mahavidyalaya, Nanded.	Grant to colleges for laboratory equipments - sanction of grant for.	2nd & final	12,000
Marathwada Shikshas Prasarak Mandal's Deogiri College, Aurangabad.	Construction of library building.	2nd	15,000
Yeshwant Mahavidyalaya, Nanded.	Writing of university level books/monographs.		7,454
Dr. Ambedkar College of Law, P.B.No.73, Nagasen Vana, Milind Campus, Aurangabad.	Construction of additional class rooms.	2nd	55,000
Adarsh Education Society's Arts Commerce & Science College, Vingoli, Distt. Parbhani.	Construction of additional class-rooms - sanction of 5th instalment grant.	5th	40,000

Marathwada University (Contd.)

Affiliated Colleges

Milind College of Arts, Aurangabad.	Construction of laboratory buildings for the Departments of Psychology & Geography.	1st	40,000
Total:			<u>2,92,558.79</u>

49. M.S. University of Baroda

Utilisation of services of retired teachers - payment of contingency grant.			999
Visit of Dr. G.Prathapasenan, Lecturer in Botany to U.K. under the Programme of Exchange of visits by Younger Scientists between India and U.K. during 1974-75.			9,592
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd		40,000
Basic grant for the purchase of library books and journals during the 5th Five Year Plan Period (Humanities Department).			50,000
-do-			50,000
(Science Department).			
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.			103.23
Senior/Junior Research Fellowships in Science/Humanities/Engineering & Technology - extension in fellowship tenure - payment of fellowship to.			3,187.10

1. University of Patoda(Contd.)

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	72,000
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	1,000
Recurring grant for introduction of P.G. Courses in Engineering & Technology.	2nd & final	14,177.44
National Associateship.		1,000

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Total: 2,42,058.77

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2. Meerut University

6th Conference of the Teachers of Political Science of Northern Indian Universities on 1st & 2nd December at S.S.V. College, Hapur.		2,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	31,000
-do-	2nd	20,500
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
-do-		900
Purchase of Equipment during 1st plan period - Sanction of grant for (Basic).		1,00,000

P. E. O.

Meerut University (Contd.)

Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
-do-		900
-do-		900
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	5,000

Affiliated Colleges

N.R.N.C. College, Khurja.	-do-	1st	1,000
D.N. College, Meerut.	-do-	1st	2,250
Meerut College, Meerut.	-do-	1st	1,750
M.M. College, Modinagar, Meerut.	-do-	2nd & final	500
D.A.V. College, Muzaffarpur.	-do-	2nd & final	500
M.M.H. College, Ghaziabad.	-do-	2nd & final	250
D.A.V. College, Muzaffarpur.	-do-	2nd & final	700
S.D. College, Muzaffarpur.		5th	30,000
College Science Improvement Programme - Selected Colleges Project: Grant-in-aid.			
M.M. Degree College, Khekra.			750
F.V. Degree College, Machhra.	-do-		580
Deva Nagri College, Meerut.	-do-		1,451
Gochar Mahavidyalaya, Rampur Manbyaran. (Dt. Saharanpur)	-do-		133
J.V. Jain College, Saharanpur.	-do-		6,000
M.M.H. College, Ghaziabad.	-do-		4,754

Meerut University (Contd.)

Affiliated Colleges

M.M.H. College, Ghaziabad.	Construction of Biology Block.	8th & final	5,624
D.N. College, Meerut.	College Science Improvement Programme - Selected Colleges Project: Grant-in- aid.	2nd	50,000
Sri Kund Kund Jain Degree College, Phatauli (Dt. Muzaffarpur).	Students' Aid Fund in the colleges-Grant for 1974-75.		1,000
N.R.S.C. College, Khurja.	Financial Assistance to Teachers for research/ learned work in sciences and Humanities including Social Sciences - Payment of second instalment of grant.	2nd & final	400
Janta Vedic College Baraut.	Construction of Teachers' Hostel.	4th	12,000
D.A.V. College, Muzzaffarpur.	Senior/Junior Research Fellowships in Science/ Humanities including Social science - Payment of Fellowship.		900
M.L.S.J.S. Khurka Girls College, Saharanpur.	Construction of Library Building.	4th	60,000
Ch. Chhotu Ram Degree College, Muzaffa-rpur.	Students' Aid Fund in the colleges-Grant for 1974-75.		295
M.S. College, Saharanpur.	-do-		1,348
Vidyavati Mahand Lal Girls Degree College, Ghazalbal.	-do-		773
Multani Mal Hodi College, Medinagar.	-do-		1,748
D.A.V. College, Muzaffarpur.	-do-		3,750
D.A.V. College, Bulandshahr.	-do-		1,228
A.S. Degree College, Mawana.	-do-		155

Meerut University (Contd.)

Affiliated Colleges

Sanatan Dharm College, Muzaffarnagar.	Development of Postgraduate Studies in the Science subjects - Physics & Chemistry.		45,000
K.V. Degree College, Machhra.	Purchase of Equipments and Books.	1st	12,000
D.A.V. College, Muzaffarnagar.	College Science Improvement Programme - Selection Colleges Project - Grant-in-aid.	4th	50,000
Janta Vedic College, Baraut.	Construction of Non-resident Students' Centre.	3rd	12,000
Meerut College, Meerut.	Senior/Junior Research Fellowships in Science/ Humanities including Social Sciences - Payment of Fellowships.		900
B.S.M. Degree College, Roorkee.	Students' Aid Fund in the colleges-Grant for 1974-75.		1,750
B.S.M. College, Roorkee.	Construction of class-rooms.	2nd & final	7,479
N.R.E.C. College, Khurja.	Senior/Junior Research Fellowships in Science/ Humanities including Social Science - Payment of Fellowships.		900
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Total:			4,81,868
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51. Mysore University

Writing of university level books/monographs.		3,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	82,000
Purchase of equipment for Science Department - Increase intake to the P.G. Courses in Science Subjects - Fourth Plan.		23,000



Mysore University (Contd.)

XXIX Indian Dental Conference at Kasturba Medical College, Mangal.		3,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	55,000
Construction of a P.G. Men Students Hostel at Manasa Cangoori - 4th Plan Scheme - Payment of grants.		30,000
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences/Sciences - Payment of first instalment of grant.	1st	1,250
Financial assistance to Teachers for research/ learned work in Sciences - Payment of Second instalment of grant.	2nd & final	250

Affiliated Colleges

Sri Jaya Chamarajendra College of Engineering, Mysore.	Students' Aid Fund to colleges for the year 1974-75.	962
I.D.S.G. Govt. College, Chikaragal- ar.	-do-	1,105
Convery College, Gonikoppal.	-do-	936
S.J.V.P. College (Arts, Science and Commerce), Harihar.	-do-	750
College of Fine Arts, Mansangotri.	Construction of Lecture Theatre.	5th 15,000
Maharaja's College, Mysore.	Construction of Residential flats for Teachers	4th 20,000

P.T.O.

Mysore University (Contd.)

Affiliated Colleges

St. Agnes College, Mangalore.	Students' Aid Fund in the colleges-Grant for 1974-75.	1,630
Nalpatern College, Thptur.	-do-	2,250

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Total: 2,40,133

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52. Nagpur University

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.		41,000
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	1,000
College Science Improvement Programme - University Leadership Project in Physics: Grant-in-aid.	2nd	50,000
Award of studentship of the value of Rs.150/-p.m. to the students admitted to the Postgraduate course in Applied Geology.		25,000
Award of scholarships for honours/postgraduate studies in Arabic/Persian/Sanskrit/ Pali/Prakrit to the students belonging to the Hill Areas of North Eastern Region of India during 1974-75.		1,800
Award of scholarships for postgraduate studies in Arabic/Persian during 1974-75.		1,800

Nagpur University (Contd.)

Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering & Technology/Utilisation of services of retired teachers - payment of contingency grant.	997.70
Senior/junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowships.	900

Affiliated Colleges

Laxminarayan Institute of Technology, Nagpur.	Financial Assistance to Teachers for research/learned work in Sciences - Payment of Second instalment of grant.	2nd & final	500
K.N. College of Arts and Commerce, Karania (Distt. Akola).	Construction of Non-Resident Students' Centre.	3rd	3,000
Peshwant Mahavidyalaya, Wardha.	Grants to College Libraries for loan of Books to Students (Book-Banks).	1st	8,000
Government Post-graduate Basic Training College, Amravati.	Development of teachers training programme in teachers training colleges.	2nd	4,000
Vanijya Mahavidyalaya, Yeotmal.	Construction of Gymnasium	2nd	15,000
Swavalambi College of Education, Wardha.	Development of teachers training programmes in teachers training colleges.	2nd & final	2,000
Punjabhai Patel College of Education, Gondia.	-do-	2nd	25,500
D.V.S.P.Arts and N.D.Commerce College, Digras (Distt. Yeotmal).	Construction of Additional Class Rooms.	7th	6,000

Total: 1,86,497.70

53. North Bengal University

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	20,500
-do-	2nd	13,500
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.		900

Affiliated Colleges

Darjeeling Govt. College, Darjeeling.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	1,750
Raiganj College, Raiganj.	Construction of Women's Hostel	4th	50,000
-do-	Financial assistance to Teachers for reasearch/learned work in Scieces and Humanities including Social Sciences - Payment of Second instalment of grant.	2nd & final	500

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Total: 87,150

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54. North-Eastern Hill University

Purchase of Mayurbhang Estate at Nongthymai Shillong.	15,00,000
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Affiliated Colleges

St. Anthony's College, Shillong.	Grants to college libraries for loan of books to students (Book-Bank) during Fifth Plan.	1st	12,000
Lady Keane Girls College, Shillong.	Construction of Laboratory Building & Purchase of furniture.	3rd	65,000

North-Eastern Hill University (Contd.)

Affiliated Colleges

St. Mary's College, Shillong.	Writing of university level books/monographs.	6,483.87
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Total:	15,83,483.87
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55. Osnania University

Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	1,500
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	82,000
Utilisation of services of retired teachers - payment of contingency grant.		1,000
Writing of university level books/monographs.		1,063.87
Basic Grant for the purchase of Library Books and Journals for Postgraduate Centre at Warangal during the 5th Five Year Plan Period.	1st	50,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	82,000
-do-	2nd	55,000
Senior Research Fellowship in Humanities and Social Sciences - Dr.(Mrs.) S. Permaswaran (Code No.218) - Difference of Fellowship amount.		900

P.T.O.

Osmania University(Contd.)

Junior Research Fellowships  
in Humanities including Social  
Sciences - Payment of  
Fellowship. 2,400

Affiliated Colleges

College of Education, Hyderabad.	Utilisation of services of the retired teachers - Payment of honorarium - Payment in respect of extension cases - 1974-75.		3,000
-do-	-do-		1,000
S.R. & B.G.N.R. Govt. Arts and Science College, Khammam.	Purchase of Science Equipment and Laboratory furniture.	5th & final	5,105
Govt. College, Adilabad.	Purchase of furniture for Laboratory and Library Building.	2nd	5,000
College of Arts & Science, Kamareddy.	Construction of Tube Well & Over Head Tank.	3rd & final	1,850
C.K.M. Arts and Science College, Warangal.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences/Sciences/ - Payment of first instalment of grant.	1st	1,250
Evening College of Law, Hyderabad.	-do-	1st	1,750
Women's College, Hyderabad.	Financial assistance -do-	1st	2,750
Science College, Sifabad.	-do-	1st	1,000
College of Engineering, Hyderabad.	-do-	1st	1,750

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Total: 3,00,318.87

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56. Punjab University

Centre of Advanced Study in Geology - Release of recurring grant.		43,000
Utilisation of services of Retired Teachers - Payment of honorarium 1974-75.		3,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	1,13,000
Schemes of Development of Higher Education & Research during IVth Plan period - Progress in respect of the Department of Central Library-Additional grant.	final	1,01,258.05
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	75,000
Indo-Hungarian Seminar on Analytical Chemistry in to be held during December, 1974 - January 1975 at Chandigarh under Indo-Hungarian Cultural Exchange Programme 1974-75.		12,000
Establishment of Students Aid Fund in Universities 1973-74 and 1974-75.		13,499
College Scheme Improvement Programme - University Leadership Project in Mathematics - Grant-in-aid.	7th	1,00,000
Introduction of one-year Diploma Course in Indian Theatre - Grant towards salary of additional staff.	final	12,122.68
Allocation of Unassigned grant for 1974-75.		15,000
Senior/Junior Research Fellowships in Science/Humanities including Social Science-Payment of Fellowship.		900

Punjab University (Contd.)

Senior/Junior Research Fellowships in Sciences/Humanities including Social Science - Payment of Fellowship.		900
-do-		900
-do-		500
Writing of university level books/monographs.		1,373.84
Payment of salaries to the staff appointed for the installation of Cyclotron Machine in the Physics Department.		1,996.40
Utilisation of services of Retired Teachers - Payment of contingency grant 1974-75.		1,000
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.		87.10
IV Five Year Plan - Establishment of Study Centre.		4,304.20
Recurring grants to towards salary of additional staff appointed in various Science Departments during the IVth Plan period.	final	18,302.8

Affiliated Colleges

Malwa College, Gondli-Samrala, Ludhiana.	Construction of Women's Hostel.	4th	14,000
D.A.V. College, Abohar.	Construction of Residential Flats for teachers - Payment of final instalment.	5th & final	2,536
Punjab University Evening College, Chandigarh.	Students' Aid Fund in the colleges-Grant for 1974-75.		3,750
Mehr Chand Mahajan D.A.V. College for Women, Chandigarh.	-do-		3,250



Punjab University (Contd.)

Affiliated Colleges

D.A.V. College, Abohar.	Students' Aid Fund in the colleges-Grant for 1974-75		2,250
G.G.N. Khalsa College, Ludhiana.	-do-		2,250
Guru Nanak Khalsa College for Women, Ludhiana.	-do-		750
Arya College, Ludhiana.	-do-		3,750
D.A.V. College, Moshiarpur.	-do-		2,750
Malwa College, Bondli-Samrala (Ludhiana).	-do-		1,000
S.D. College for Women, Moga.	-do-		1,000
Khalsa College for Women, Ludhiana.	-do-		2,750
G.H.G. Khalsa College, Gurusar Sadhar(Ludhiana).	-do-		1,750
D.A.V. College of Education, Abohar.	-do-		690
G.G.N. Khalsa College, Ludhiana.	Construction of six class rooms.	1st	27,000
Shri Birender Singh College of Education, Bewari.	Development of teachers training programmes in teachers training colleges.	3rd	10,000
Dairy Science College, Karnal.	Senior/Junior Research Fellowships in Science/ Humanities including Social Sciences - Payment of Fellowship.		361.69
-do-	Senior/Junior Research Fellowships in Science/ Humanities/Engineering & Technology - extension in fellowship tenure payment of fellowship to Shri P.S. Chaudhury (Code No.852).		2,513.84
Guru Gobind Singh College, Sector-26, Chandigarh.	Grants to colleges libraries for loan of books to student final Book-Bank.	2nd & final	5,500

Punjab University (Contd.)

Affiliated Colleges

Khalsa College for Women, Ludhiana.	Construction of Teachers' Hostel.	9th	20,000
Guru Nanak College for Girls, Muktsar.	Students' Aid Fund in the colleges-Grant for 1974-75.		750
G.N.G. Harparkash College of Education for Women, Sihwan Khuri (Ludhiana).	-do-		750
Guru Gobind Singh College, Giddarbha.	-do-		621
D.M. College of Education, Moga.	-do-		750
D.A.V. College, Malout.	-do-		1,000
D.M. College, Moga.	-do-		1,750
Dev Samaj College for Women, Ferozpur City.	-do-		1,750
Chhotu Ram College of Education, Rohtak.	Financial Assistance to Teachers for research/learned work in Sciences and Humanities including Social Sciences - Payment of Second instalment of grant.		750
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Total:			6,34,016.62
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57. Punjab University

Junior Research Fellowships in Science/Humanities and Social sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	31,000
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		133.87

Punjab University (Contd.)

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	20,500
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences/Sciences-Payment of first instalment of grant.	1st	1,250
Construction of Women Students Hostel - Completion cost - regarding.	7th & final	25,307
Reallocation of grant for Development Scheme under the IVth plan period ending 1973-74 - Department of Philosophy, Military Science and Social Anthropology.		1,50,000

Affiliated Colleges

Guru Kashi College, Dandama Sahib (Dt. Bhatinda).	Students' Aid Fund in the colleges-Grant for 1974-75.	500
Govt. College, Malenkotia.	-do-	2,750
B.J.S.F.S. Girls Khalsa College, Morinda (Distt. Bopar).	-do-	432
T.P.D. Malwa College, Rampura Phul (Dt. Bhatinda).	-do-	750

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Total: 2,32,672.87

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58. Punjab Agricultural University

Financial assistance to teachers & colleges for undertaking research or learned work in Sciences.	1st	1,500
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P. T. O.

Punjab Agricultural University

Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	1,500
Financial Assistance to Teachers for research/learned work in Sciences - Payment of second instalment of grant.	2nd & final	250

Affiliated Colleges

College of Vety Medicine, Ludhiana.	Senior/Junior Research Fellowships in Science/ Humanities including Social Sciences - Payment of Fellowship.	900
College of Agriculture, Ludhiana.	-do-	900
College of Basic sciences and Humanities, Ludhiana.	-do-	900
College of Agricultural, Ludhiana.	-do-	900
College of Veterinary Medicine, Ludhiana.	-do-	900
College of Basic science and Humanities, Ludhiana.	-do-	900
-do-	Senior/Junior Research Fellowships in Sciences/ Humanities including Social Sciences/Research Fellowships in Engineering & Technology/ Utilisation of services of retired teachers - payment of contingency grant.	994.20

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Total: 9,644.20

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59. Patna University

Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.		900
-do-		900
-do-		900
Junior Research Fellowships in Science Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	72,000
Visit of Dr. D.N. Jha, Reader in History to U.K. under the Programme of Exchange of visits by Younger Scientists between India and U.K. during 1973-74.		9,210
Grant-in-aid for the purchase of books and journals outside the IVth plan allocation.	final	1,50,000
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
-do-		900
-do-		900
Junior Research Fellowships in Science Humanities and Social Sciences - Allocation of funds for implementation of the schemes during 1974-75.	2nd	48,000

Affiliated Colleges

B.M. College, Patna.	Construction of Chemistry Block - Assistance for.	7th	15,000
Patna College, Patna.	Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900

Patna University (Contd.)

Affiliated Colleges

Science College, Patna.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	1,350
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Total:			<hr/> 3,01,360 <hr/>

60. Poona University

University Grants Commission Assistance for the Research Project entitled "Fabrication of He-Ne-CO <sub>2</sub> N <sub>2</sub> and Ar Gas Lasers and Parameter Measurement" of Dr. K. Sathianandan & Dr. A.D.Tillu Department of Physics, Fifth Five Year Plan period - Approval for the realloca- tion of budget and release of the 1st instalment of grant.		10,000
Organisation of the Seminar of English Literature.		19,475
Senior/Junior Research Fellowships in Science/ Humanities including Social Science - Payment of Fellowship.		900
-do-		622.58
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	72,000
Assistance to Deccan College Postgraduate and Research Institute for undertaking exploration work at Somnath & Inangaon - Sanction of grant.		19,000

Poona University (Contd.)

Writing of university level books/monographs.		4,400
-do-		2,000
-do-		4,500
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	48,000
College Science Improvement Programme - University Leadership Project in Physics: Grant-in-aid.	3rd	50,000
-do-	1st	50,000
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences/Research Fellowships in Engineering & Technology/Utilisation of services of retired teachers - payment of contingency grant.		1,776.30
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences/Sciences-Payment of first instalment of grant.	1st	1,000
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	500
-do-	1st	1,000

Affiliated Colleges

M.E.S. Abasahed Garware College, Karve Road, Poona.	Development of Postgraduate Studies in Science subject in affiliated colleges.	2nd & final	5,000
Bhusawal Arts, Science and P.O. Nahata Commerce College, Bhusawal.	Purchase of Library Books & Journals.		

Poona University (Contd.)

Affiliated Colleges

Nowrosjee Wadia College, Poona.	Basic Grant to Colleges for purchase of Library Books.	2nd & final	500
Ahmednagar College, Ahmednagar.	College Science Improvement Programme - Selected Colleges Project: Grant-in-aid.	6th & final	30,000
M.J. College of Arts and Science, Jalgaon.	Construction of Residential Flats for Teachers.	3rd	25,000
Brihan Maharashtra College of Commerce, Poona-1.	Students' Aid Fund in the colleges-Grant for 1974-75,		2,559
R.N.C. Arts, J.D.B. Com. & N.S.C. Science College, Nasik Road.	Construction of Gymnasium	1st	25,000
Bhusawal Arts, Science and P.O. Nahata Commerce College, Bhusawal.	Grants to affiliated colleges for Laboratory Equipment - sanction of grant.	2nd & final	2,500
Shri Shahu Mandir Mahavidyalaya, Poona-9.	Grants to affiliated colleges for Chalk-Board.	1st & final	2,000
M.E. Society's Abasahed Garware College, Karve Rd., Poona.	Establishment of Health Centre-Construction of Health Centre Building - Sanction of grant for.	3rd	20,000
Fergusson College, Poona.	College Science Improvement Programme - Selected Colleges Project: Grant-in-aid.	5th	50,000
Deccan College, Poona.	Senior/Junior Research Fellowships in Science/ Humanities including Social Science - Payment of Fellowship.		900

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Total: 4,48,632.88

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61. Rabindra Bharati University

Utilisation of services of retired teachers - payment of contingency grant.		1,000
Grant-in-aid towards the construction of Teachers Hostel.	4th	20,000
Junior Research Fellowships in Science/Humanities and Social Science - Allocation of funds for implementation of the schema during 1974-75.	2nd	20,500

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Total: 41,500

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62. Rajasthan University

Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
College Science Improvement Programme - University Leadership Project in Physics - Grant-in-aid.		1,00,000
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
Writing of university level books/monographs.		1,000
Senior/Junior Research Fellowships in Sciences/Humanities including Social Science - Payment of Fellowship.		900
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the schema during 1974-75.	2nd	1,13,000
Financial Assistance to Teachers final for research/learned work in Sciences & Humanities including Social Sciences.		1,000

P.T.O.

Rajasthan University (Contd.)

Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	75,500
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
Writing of university level books/monographs.		1,500
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
Financial Assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences/Sciences-Payment of first instalment of grant.	1st	1,000
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences/Sciences-Payment of first instalment of grant.	1st	2,000
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.		900



Rajasthan University (Contd.)

Affiliated Colleges

Malaviya Regional Engineering College, Jaipur.	Writing of university level books/monographs.		1,208
-do-	-do-		6,975
M.K. Saboo College of Commerce, Pilani.	Book grant to affiliated colleges for the year 1970-71.	2nd & final	915.11
Malaviya Regional Engg., College, Jaipur.	Writing of university level books/monographs.		2,778.55
S.M.S. Medical College, Jaipur.	Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
Malvidya Regional Engg. College, Jaipur.	Writing of university level books/monographs.		1,000
Dayanand College, Ajmer.	Construction of Gymnasium by the University/College under assistance from UGC.	final	3,121
<b>Total:</b>			4,00,280.27

63. Ranchi University

Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		700
Proposal for the purchase of computer, time - Sanction for ad-hoc grant-in-aid.		15,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	33,000
Grant-in-aid towards the construction of Postgraduate Arts Block.	2nd	4,50,000

P.T.O.

Ranchi University (Contd.)

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	22,000
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Affiliated Colleges

Birla Institute of Technology, Mesra.	Travel grant to Dr. B.R. Seth for attending XVII Inter- national Congress of Mathematicians held at Vanconver (Canada).	2nd & final	411
R.M. Mull Gore College, Govindpur.	Construction of Teachers' Hostel.	6th	30,000
St. Columba's College Bagaribagh.	Establishment of Text Book Library.	2nd & final	1,000

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Total: 5,52,111

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64. Ravi Shankar University

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	31,000
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-do-	2nd	20,500
Financial Assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	500

Affiliated Colleges

Govt. Science College, Raipur.	-do-	1st	1,500
Municipal College of Arts & Science, Kharain, Distt. Raigarh.	Grant to colleges under Student Welfare Programme.	2nd & final	613.39

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Total: 54,113.39

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65. Roorkee University

Financial Assistance to Teachers for research/learned work in Sciences - Payment of Second instalment of grant.	2nd & final	375
Award of Junior Fellowship to 9 students admitted in January 1974 in Computer Training Centre at Roorkee University.	2nd	18,000
Introduction of Job Oriented Postgraduate (Diploma) Course in Television Engineering.		1,283.83
Establishment of Students Aid Fund in Universities.		15,000
Establishment of Computer Training Centre on the Electronics and Communication Engineering Department - Equipment grant.	4th	10,000
Development of Postgraduate courses in Engineering and Technology - Payment of Equipment grant.	3rd	20,000
Postgraduate courses in Civil Engineering - Equipment grant.	11th	10,000
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		789.29
Development of Postgraduate Courses in Engineering and Technology - payment of equipment grant for.	final	10,000
-do-	3rd	25,000
Award of Junior Fellowships of the value of Rs.250/-p.m. for approved P.G. Courses in Engineering & Technology - students admitted in August, 1972.	3rd	1,00,000
Junior Research Fellowships in Science/Humanities and Social Sciences-Allocation of funds for implementation of the scheme during 1974-75.	2nd	28,000

Roorkee University (Contd.)

Postgraduate Course in Civil Engineering - Construction of Building - tender abatement Certificate.	final	55,403
Construction of 150 Post-graduate students hostel.		1,184.50
Writing of university level books/monographs.		1,500
Fellowship to students to Diploma Course. Television Technology.		20,000
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Total:		3,16,535.62
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66. Sambalpur University

Grant-in-aid for the development of P.G. course in Engineering & Technology at the U.C.E., Burla.	2nd & final	15,000
Grant-in-aid for the development of undergraduate courses in Engineering and Technology - Department of Electronics and Tele-Communication Engineering - Purchase of Equipment.	1st	1,00,000
Grant-in-aid for the development of undergraduate courses in Engineering and Technology - Department of Electronics and Tele-Communication Engineering - recurring grant for staff and maintenance and purchase of books.	1st	15,000
Grant-in-aid for the purchase of Living Room furniture for two students hostels (100 students and 60 women students.)	1st	20,000
Junior Research Fellowships in science/Humanities & Social sciences-allocation of funds for implementation of the scheme during 1974-75.	2nd	26,000

Sambalpur University (Contd.)

Unassigned grant for the year 1974-75.	1st	12,500
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	4,000

Affiliated Colleges

Rajendra College, Bolangir.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences/Sciences - Payment of first instalment of grant.	1st	1,000
Panchayat College, Bargarh.	Financial Assistance to Teachers for research/learned work in Sciences and Humanities including Social Sciences - Payment of Second instalment of grant.	2nd & final	250
Government Training College, Balangir.	Development of teachers training programmes in teachers training colleges.	2nd & final	2,000
Panchayat College, Bargarh.	Grant-in-aid for the purchase of Laboratory Equipments.	4th	15,000
Women's College, Sambalpur.	Grant-in-aid for the construction of Women's Hostel.	2nd	10,000
Government Evening College, Sambalpur.	Grant-in-aid for the purchase of Library books and journals.	2nd & final	1,375

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Total: 2,62,125

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67. Saugar University

Integrated Research Scheme to study the Deccan Trap of Malwa Region and North of Narmada Valley.	8,251.81
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Saugar University (Contd.)

Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowships.		900
Construction of Building for the Department of English - Sanction of grant for.		7,000
Junior research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	61,500
Writing of university level books/monographs.		750
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	72,000
Writing of University level books/monographs.		2,000
Senior/Junior research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering & Technology/Utilisation of services of retired teachers - payment of contingency grant.		1,425.49
Award of studentships of the value of Rs.150/- per month to the post-graduate students of Applied Geology Courses - Fourth Plan Period.		50,000
Setting up of Development Pannels - Creation of post of the Development Officer.		25,000
Temperature controlled culture from of Department of Botany - 4th Plan development schemes.		1,998.68

P.T.O.

Saugar University (Contd.)

Establishment of Book-Banks in the faculty of Engineering & Technology.	final	11,250
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
Basic grant for the purchase of Library Books and journals during the 5th Five Year Plan Period (Science Department).		50,000
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
Basic grant for the purchase of Library books and journals during the 5th Five Year Plan Period (Humanities Department).		50,000
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	48,000
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900

Affiliated College

Govt. Degree College, Narsimhapur.	Establishment of Text Book Libraries in Colleges.	3rd & final	562.41
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Total: 3,95,138.09

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68. Saurashtra University

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	10,500
Purchase of furniture and Equipment for Central Library.		48,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	7,000
Allocation of unassigned grant during the V Plan - Release of grant for.	1st	15,000

Affiliated Colleges

Matushri V.M. College (Arts and Science) Rajkot.	Construction of Women's Hostel.	final	29,825
Matushir -do-	Award of Scholarships for honours/postgraduate studies in Arabic/Persian/Sanskrit/Pali/Prakrit to the students belonging to the Hill Areas of North Eastern Region of India during 1974-75.		1,800
Bahauddin College, Junagadh.	Financial Assistance to Teachers for research/learned work in sciences and Humanities including Social Sciences - Payment of second instalment of grant.	2nd & final	500

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Total: 1,03,625

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P.T.O.

69. Sardar Patel University

Establishment of Computer Centre - Release of grant.		15,000
Junior Research Fellowships in Science/Humanities and Social Sciences-Allocation of funds for implementation of the scheme during 1974-75.	2nd	41,000
Allocation of unassigned grant during the V Plan - Release of grant for.	1st	12,500
Grant for support for research in Universities during IV Plan period - Payment of the final instalment of grant.	final	1,297.15
Basic grant for the purchase of scientific equipment during the 5th Five Year Plan period.		1,10,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	27,500

Affiliated Colleges

Anand Arts College, Anand (Distt. Katra).	Establishment of Health Centre.	2nd	20,000
Vithalbai Patel Mahavidyalaya, (Science College) Vallabh Vidyanagar (W.Rly), Dist. Kaira.	College Science Programme - Selected Colleges Project:- Grant-in-aid.	3rd	50,000

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Total: 2,77,297.15

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70. Shivaji University

Junior Research Fellowships in Science/Humanities & Social Sciences-Allocation of funds for implementation of the scheme during 1974-75.	2nd	31,000
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Shivaji University (Contd.)

Award of scholarships for honours/postgraduate studies in Arabic/Persian/Sanskrit/Pali/Prakrit to the students belonging to the Hill Areas of North Eastern Region of India during 1974-75.		1,800
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	20,500
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	1,000

Affiliated Colleges

Science College, Karod.	-do-	1st	2,250
Shantiniketan Mahavidyalaya, Sangli.	-do-	1st	1,750
Dev Chand College, Arjun Nagar, Dt. Kolhapur.	Grant to Colleges under Student Welfare Programme.	2nd & final	5,000
Shivaji College of Arts & Commerce, Gadhinglaj (Distt. Kolhapur).	Grant to college libraries for Loan of Books to students (Book-Banks).	2nd & final	3,250
Rajaram College, Kolhapur.	Construction of Teachers' Hostel.	2nd	35,000
Smt. Kasturba Walchand College of Arts & Science, Sangli.	Construction of Health Centre Building.	3rd	7,000

Shivaji University (Contd.)

Affiliated Colleges

S.C.M. College, Karad.	Financial Assistance to Teachers for research/learned work in Sciences and Humanities including Social Sciences - Payment of Second instalment of grant.	2nd & final	500
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Total: 1,09,950

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71. SNDT Women's University

Junior Research Fellowships in science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	17,500
Construction of classrooms at Poona (Humanities - Postgraduate).	1st	50,000
Appointment of additional staff in the Department of Education - sanction of grant for.		2,618.08

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Total: 70,118.08

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72. South Gujarat University

Grant-in-aid towards the Construction of Women's Hostel.		45,000
Grant-in-aid towards the Construction of Teachers' Hostel.		30,000
Junior Research Fellowships in Sciences/Humanities and Social Science-Allocation of funds for implementation of the scheme during 1974-75.	2nd	6,000

South Gujarat University (Contd.)

Junior Research Fellowships in Science/Humanities and Social Sciences-Allocation of funds for implementation of the scheme during 1974-75.	2nd	4,000
Basic grant for the purchase of library books & journals during the 5th Five Year Plan Period (Humanities Department).		70,000
Construction of Science Block - Sanction of grant for.		70,000
Basic grant for the purchase of library books & journals during the 5th Five Year Plan Period (Sciences Department).		30,000

Affiliated College

S.V. Reg. College of Engineering & Technology, Surat.	Financial Assistance to Teachers for research/learned work in Sciences - Payment of second instalment of grant.	2nd & final	250
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Total: 2,55,250

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73. Sri Venkateswara University

Junior Research Fellowships in Science/Humanities and Social Sciences-Allocation of funds for implementation of the scheme during 1974-75.	41,000
(1) Conference of Heads of Department of Adult/Continuing Education of Universities in India for 7 days in February 1975, (2) Regional Conference of Adult Education Workers in Andhra Pradesh for 3 days in March 1975.	3,000

F.T.O.

Sri Venkateshwara University (Contd.)

Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
Securing grant for the development of undergraduate courses in Engineering and Technology.	5th	14,500
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.		900
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	61,500
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		240
Establishment of Study Centres at Anantpur and Tirupati.		35,000
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.		900
Senior/Junior Research Fellowships in Science/Humanities/Engineering and Technology - extension of services of retired teachers - payment of fellowship.		2,129.03

Affiliated Colleges

Silver Jubilee Govt. College, Kurnool.	Financial assistance to teachers 1st in the universities & colleges for undertaking research or learned work in Humanities including Social Sciences/Sciences.	2,500
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Sri Venkateswara University (Contd.)

Affiliated Colleges

S.V. University College, Tirupati.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	1,500
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Total: 1,64,029.03

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4. University of Udaipur

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	33,000
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	1,500
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	22,000
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	1,750

Affiliated Colleges

Govt. Maera Girls College, Udaipur.	Grants to Colleges for Laboratory Equipment.	2nd & final	5,000
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Total: 63,250

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75. Utkal University

Construction of extension to Arts Block.		1,50,000
Grant-in-aid towards the salaries of staff for Science Departments - IV Plan Scheme.		11,458.69
University Grants Commission Assistance for the Research Project entitled "Annealing and Thermal Decomposition Behaviour of Irradiated Solid Substances." under Prof. S.R. Mohanty, Head of the Department of Chemistry - Fifth Five Year Plan period - 1st instalment of grant.		10,000
Visit of Dr. A.K.P.C. Swain, Lecturer in Statistics, to U.K. under the programme of Exchange of visits by Younger Scientists between India and U.K. during 1974-75.		10,967
Writing of university level books/monographs.		3,000
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	27,500
Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
Workshop on (i) autonomous Colleges (ii) Examination Reforms and (iii) Development of Postgraduate Education - Sanction of grant for Organising.		15,000

Utkal University (Contd.)

Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.		900
Purchase of Scientific equipment for the various Science Departments - Basic grant for the fifth year plan.	1st	2,00,000
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.		900
Revision of salary scale of university teachers under III Five Year Plan Scheme.		13,546.17
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	41,000
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	3,500
-do-	1st	3,500

Affiliated Colleges

Ravenshaw College, Cuttack.	Utilisation of Services of the retired teachers - Payment of honorarium - Payment in respect of extension cases - 1974-75.		3,000
-do-	-do-		1,000
Bolihvard Mahavidyalaya, Bampur, Distt. Puri, Orissa.	Grant-in-aid for the purchase of laboratory equipment.	2nd & final	1,400

Utkal University (Conti.)

Affiliated Colleges

Govt. Evening College, Cuttack.	Grants to college libraries for loan of books to students (Book-Bank) during Fifth Plan.	1st	8,000
B.J.B. College, Bhubaneswar.	-do-	1st	8,000
M.P.C. College, Baripada.	-do-	1st	8,000
S.C.S. College, Puri.	-do-	1st	8,000
Ravenshaw College, Cuttack.	-do-	1st	16,000
Regional College of Education, Bhubaneswar.	Development of teachers training programmes in teachers training colleges.	2nd & final	1,000
B.J.B. College, Bhubaneswar.	Grants to college libraries for loan of books to students (Book-Bank).	final	4,750
Fakir Mohan College, Balasore.	-do-	1st	8,000
Salipur College, Salipur.	Students Welfare Programme	final	3,500
S.V.M. College, Jagatsinghpur, (Orissa).	Grants to college libraries for loan of books to students (Book-Bank).	final	3,250
Godavaris Mahavidyalaya, Bampur.	Grant-in-aid for the construction of the Women's Hostel.	4th	30,000
Bhenakamal College, Bhenakamal.	Grant-in-aid for the construction of staff quarters.	1st	1,90,000
Total:			7,85,971.86

76. Varanasi Sanskrit Vishwavidyalaya

Senior/Junior Research Fellowships in Science/ Humanities including Social Science - Payment of Fellowship.	700
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Varanasya Sanskrit Vishwavidyalay.(Contd.)

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	20,500
All India Buddhistic Scholars Conference in Varanasya. Sanskrit Vishwavidyalay , Varanasi.		3,000

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Total:		24,200
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77. Vikram University

Senior/Junior research Fellowships in Science/ - Payment of Fellowship.		545.16
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	3,500
Junior Research Fellowships in Science/Humanities and Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	31,000
Construction of a Gymnasium	3rd	50,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	20,500
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	2,500

P.T.O.

Vikram University (Contd.)

Senior/Junior Research Fellowships in Science/Humanities including Social Science - Payment of Fellowship.		900
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Affiliated Colleges

Govt. College, Mandsaur.	Development of Postgraduate Studies in Science subjects.	2nd	10,000
Govt. Engineering College, Ujjain.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Sciences - Payment of first instalment of grant.	1st	1,500
Madav Vigyan Mahavidyalaya, Ujjain.	-do-	1st	1,250
Madhav College, Ujjain.	Establishment of Text-Book Libraries in Colleges.	2nd & final	17.28
Government College, Mandsaur.	Grant to Colleges under Student Welfare Programme.	2nd & final	1,681.33

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Total:	1,23,393.77
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78. Visva-Bharati

Grant-in-aid for the purchase of Scientific equipment - Zoology Department - 4th Plan.	6th & final	14,369.41
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.		900
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	22,000

Visva-Bharati (Contd.)

Financial assistance to teachers in the universities and colleges for undertaking research or learned work in sciences - Payment of first instalment of grant.	1st	3,500
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	33,000
Award of Scholarships for postgraduate studies in Sanskrit during 1974-75.		1,800
Award of Scholarships for postgraduate studies in Sanskrit/Pali/Apkrut to the students during 1974-75.		1,800
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.		900
Total:		78,269.41

INSTITUTIONS DEEMED TO BE UNIVERSITIES

Birla Institute of Technology & Science

Postgraduate course in Pharmacy - Payment of recurring grant for.	2nd	60,000
Writing of university level books/monographs.		518.65
-do-		3,000
Grant-in-aid for the development of Postgraduate courses in Engineering & Technology - Equipment grant.	3rd	1,80,000

Birla Institute of Technology & Science(Contd.)

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	68,500
Senior/Junior Research Fellowships in Science/Humanities including Social Sciences - Payment of Fellowship.		900
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in sciences - Payment of first instalment of grant.	1st	2,250

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Total: 3,15,168.65

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2. Central Institute of English & Foreign Languages, Hyderabad.

Award of U.G.C. Fellowships of Rs.300/- p.m. to 'out-standing' participants of the Summer Institutes in English - 1970, 1972, 1973 and 1974.		1,190.30
Financial assistance to the institute for organising and programme of intensive practical training library to postgraduate certificate in the teaching of lectures.		33,000

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Total: 34,190.30

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3. Gujarat Vidyapith, Ahmedabad.

Improvement of Water Supply (Students Amenities Programme).	40,000
Renovation of Kitchen and Stores (Students Amenities Programme).	15,000



Gujarat Vidyapith, Ahmedabad. (Contd.)

Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	27,500
Construction of Gymnasium.	5th	5,000

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Total: 87,500

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4. Gurukul Kangri Vishwavidyalaya

Senior/Junior Research Fellowships in Science/ Humanities including Social Science - Payment of Fellowship.		900
Unassigned grant for the Year 1974-75.		10,000
Junior Research Fellowships in Science/Humanities and Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	10,500
IVth Plan Research Scholarships - Release of balance grant.		1,423.16
Financial Assistance to Teachers for research/learned work in Sciences - Payment of Second instalment of grant.	2nd & final	500

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Total: 23,323.16

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5. Indian School of Mines, Dhanbad.

Establishment of Students Aid Fund.		1,200
Regarding construction of Mineral Dressing Laboratory approved by the U.G.C. during IV Plan Period.		1,00,000

P.T.O.

5. Indian School of Mines (Contd.)

Junior Research Fellowships in 2nd Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	17,000
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Total:	1,18,200
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6. Indian Institute of Science, Bangalore

Writing of University level books/monographs.	3,000
Utilization of services of retired teachers - payment of contingency grant.	937.86
Development Schemes under 4th Plan period - Grant-in-aid for Library Books and Journals for Engineering & Technology.	98,685
Senior/Junior Research Fellowships in Science/ Humanities including Social Sciences - Payment of Fellowships.	900
-do-	900
-do-	129.03
-do-	103.23
Junior Research Fellowships 2nd in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	85,500
Symposium on "Perspectives of Structure and Function of DNA" December 22 & 23, 1974.	11,454

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Total:	2,01,609.12
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Indian Institute of Technology, Bombay.

Writing of University level books/monographs. 2,000

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Total: 2,000

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Jamia Millia Islamia, New Delhi.

Basic grant for the purchase of library books and journals during Vth Plan period. 1st 50,000

Award of Scholarships for honours/postgraduate studies in Arabic/Persian during 1974-75. 1,200

Development Schemes during the IV Plan - Appointment of additional staff in Humanities and Social Sciences Departments - Grant for. 25,000

-do-

Award of scholarships for honours studies in Persian during 1974-75 - Shri Mohd. Manswar Masoudi - regarding. 1,200

Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75. 2nd 10,500

Construction of Science Block - Grant for. 6th 20,000

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Total: 1,32,900

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Tata Institute of Social Sciences, Bombay.

IV Plan Development Schemes - 365.30  
Appointment of Librarian -  
Sanction of grant for.

Tata Institute of Social Science (Bombay).

Junior Research Fellowships in Science/Humanities & Social Sciences - Allocation of funds for implementation of the scheme during 1974-75.	2nd	17,000
Salary of additional staff appointed in Humanities and Social Sciences - Departments - under the Fourth Plan Development Schemes.		11,200.70
Publication of the Report of the Research Project "Rural Change in Maharashtra.		1,000

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Total: 32,626.56

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Total Plan

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2,75,81,364.47

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N O N - P L A N

1. Aligarh Muslim University

Central Universities - Main- tenance grant for 1974-75 -	6th	75,47,000
Payment of - -do-	5th	1,02,69,000

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Total: 1,78,16,000

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2. Delhi University

-do-

5th 39,04,000

Delhi University (Contd.)

Affiliated Colleges

Central Institute of Education, 33, Chhatra Marg, Delhi.	Delhi University Constituent Colleges - Grant for hostel Mess staff for 1974-75.	3rd	1,300
Indraprastha College for Women, Alipur Road, Delhi.	-do-	3rd	6,000
Lady Irwin College, Sikandra Road, New Delhi.	-do-	3rd	7,000
Ramjas College, Delhi-7.	-do-	final	16,482
Miranda House, Patel Chest Marg, Delhi-7.	-do-	3rd	10,000
Wnas Raj College, Delhi-7.	-do-	3rd	7,000
Delhi College (Day) Aimeri Gate, Delhi.	-do-	3rd	1,600
St. St phen's College Delhi-7.	-do-	3rd	6,000
Hindu College, Delhi	-do-	3rd	7,000
Shri Ram College of Commerce, Patel Marg, Delhi-7.	-do-	final	650
Lady Irwin College, Sikandra Road, New Delhi.	Grant for Hostel Mess staff for 1972-73.	final	1,506
Central Institute of Education, 33, Chhatra Marg, Delhi-7.	Delhi University Constituent Colleges - Maintenance grant for 1974-75 - Payment of.	3rd	5,000
Ramjas College, Delhi-7.	-do-	3rd	1,23,000
Satyawati Co-educational College (Day), Timarpur, Delhi-7.	-do-	3rd	1,29,000
College of Vocational studies, 7, Doctor's Lane, Cole Market, New Delhi.	-do-	3rd	13,000
Bhagat Singh College (Day Classes), Govindpur, Kalkaji, New Delhi.	-do-	3rd	2,49,000

Delhi University (Contd.)

Affiliated Colleges

Ramjas College, Delhi-7.	Delhi University Constituent College - Maintenance grant for 1973-74 - Payment of.	6th	48,000
-do-	-do-	final	43,059
Dayal Singh College (Day), Lodi Road, New Delhi.	-do-	6th	2,81,900
Shyama Prasad Mukherji College for Women, Tagore Garden, New Delhi.	-do-	4th	17,000
Mata Sudhri College for Women, Mata Sudhri Lane, New Delhi.	-do-	3rd	1,65,000
Maitri College, Netaji Nagar, New Delhi.	Delhi University Constituent Colleges - Additional expenditure incurred on account of revision of scales of pay of the non-teaching staff on the basis of recommendations of the Third Pay Commission and increased rates of Dearness Allowance to teaching and non-teaching staff during 1974-75 - Payment of grant for the.		2,32,400
Lady Shri Ram College for Women, Lajpat Nagar, New Delhi.	-do-		2,54,400
College of Voca- tional Studies, 7, Doctor's Lane, Dole Market, New Delhi.	-do-		2,35,500
Daulat Ram College, Delhi-7.	-do-		3,71,400
Institute of Home Economics, South Extension, Part I Ring Road, New Delhi.	-do-		83,000

Delhi University (Contd.)

shivaji College, Karampura, New Delhi.	Delhi University Constituent Colleges - Additional expenditure incurred on account of scales of pay of the non-teaching staff on the basis of recommendations of the Third Pay Commission and increased rates of Dearness Allowance to teaching and non-teaching staff during 1974-75 - Payment of grant for the.	3,28,100
Miranda House, Patel Chest Marg, Delhi-7.	-do-	3,95,000
Bhagat Singh College, Kalkaji, New Delhi.	-do-	2,71,500
Shyam Lal College (Evening), Shahdara, Delhi.	-do-	69,500
Dyal Singh College (Day), Lodi Road, New Delhi.	-do-	3,13,800
Central Institute of Education, 33, Chhatra Marg, Delhi-7.	-do-	51,300
Lakshmi Bai College, Ashok Vihar-III, Wazirpur, Delhi-52.	-do-	2,68,600
Delhi College, Ajnceri Gate, Delhi-6.	-do-	3,33,700
Dyal Singh College (Evening Classes), Lodi Road, New Delhi.	-do-	1,40,000
Sri Venkateswara College, Dhaulan Kaun, New Delhi.	-do-	1,25,100
Gyan Devi Salwan College, Salwan Marg, Rajinder Nagar, New Delhi.	-do-	1,00,300

Delhi University (Contd.)

Affiliated Colleges

Lady Irwin College, Sikandara Road, New Delhi.	Delhi University Constituent Additional expenditure incurred on account of revision of scales of pay of the non- teaching staff on the basis of recommendations of the Third Pay Commission and increased rates of Dearness Allowance to teaching and non-teaching staff during 1974-75 - Payment of grant for the.	1,72,900
Jesus and Mary College, Chanakyapuri New Delhi.	-do-	68,200
Satyawati Co-education- al College (Evening), Timarpur, Delhi-7.	-do-	44,500
St. Stephen's College, Delhi-7.	-do-	2,74,700
P.G.D.A.V. College, Nehru Nagar, Ring Road, New Delhi-	-do-	1,97,900
Dashbandhu College (Day),	-do-	4,70,000
Kalkaji, New Delhi.	-do-	3,21,800
Atma Ram Sanatan Dharma College, Dhauran Paur, New Delhi.	-do-	2,73,700
Kanki Devi Mahavidyalaya, Poorvi Marg, New Delhi-60.	-do-	1,81,000
Delhi College, (Evening Classes), Ajmeri Gate, Delhi-6.	-do-	1,45,500
P.G.D.A.V. College, (Evening Classes), Mandir Marg, New Delhi.	-do-	



Delhi University (Contd.)

Affiliated Colleges

Delhi School of Social Work, 3, University Road, Delhi-7.	Delhi University Constituent - Additional expenditure incurred on account of revision of scales of pay of the non-teaching staff on the basis of recommenda- tions of the Third Pay Commission and increased rates of Dearness Allowance to teaching and non-teaching staff during 1974-75 - Payment of grant for the.	1,01,600
Ramlal Anand College, Anand Niketan Marg, Dhaura Kaun, New Delhi - Kamala Nehru College, Defence Colony, New Delhi.	-do -	1,12,300
Wastinapur College, (Evening Classes), Kirti Bagh, New Delhi.	-do -	2,97,800
Jesus and Mary College, Panchsheel Marg, Chanakyaपुरी, New Delhi.	-do -	1,07,000
Gargi College, Lajpat Nagar IV, New Delhi-24.	-do -	59,400
Kalindi College, East Patel Nagar, New Delhi.	-do -	2,85,000
Swami Shardhanand College, Alipur, Delhi.	-do -	1,86,900
Shyama Prasad Mukherji College for Women, Tagore Garden, New Delhi.	-do -	2,03,400
	-do -	2,80,000

Delhi University (Contd.)

Affiliated Collages

Rao Tula Ram College, Rai Tula Ram Marg, New Delhi.	Delhi University Constituent - Additional expenditure incurred on account of revision of scales of pay of the non- teaching staff on the basis of recommendations of the Third Pay Commission and increased rates of Dearness Allowance to teaching and non-teaching staff during 1974-75 - Payment of grant for the.	41,300
Vivekananda College, Gandhi Nagar, Delhi.	-do-	1,32,800
Bharti Mahila College, Link Road, Karol Bagh, New Delhi.	-do-	1,06,300
Shri Aurobindo Mahavidyalaya, Malviya Nagar, New Delhi.	-do-	95,600
Hindu College, Delhi-7.	-do-	4,63,100
Indraprastha College for Women, Alipur Road, Delhi.	-do-	3,49,500
Shri Ram College of Commerce, Delhi.	-do-	2,20,200
Hans Raj College, Delhi-7.	-do-	4,19,900
Deshbandhu College (Evening College), Kalkaji, N-Delhi.	-do-	2,00,600
Satyawati Co-educational College (Day), Timarpur, Delhi-7.	-do-	1,03,700
Central Institute of Education, 33, Chhatra Marg, Delhi.	-do-	49,500
S.G.T.B. Khalsa College (Evening), Karol Bagh, New Delhi.	-do-	47,800

Delhi University (Contd.)

Affiliated Colleges

Raidhani College, Virti Nagar, New Delhi.	Delhi University Constituent Colleges - Additional expenditure incurred on account of revision of scales of pay of the non- teaching staff on the basis of recommendations of the Third Pay Commission and increased rates of Dearness Allowance to teaching and non-teaching staff during 1974-75 - Payment of grant for the.	8,00,600
Shyam Lal College (Day Classes), Shahdara, Delhi.	-do-	2,22,400
S.G.T.B. Khalsa College (Day), University Campus, Delhi-7.	-do-	3,37,400

Total: 1,00,00,397

3. Jawaharlal Nehru University

Central Universities - Main-  
tenance grant for 1974-75 -  
Payment of. 5th 23,92,000

Total: 23,92,000

4. Visva Bharati

-do- 5th 21,68,500

Total: 21,68,500

Total Non-Plan: 3,83,76,897

G.Total (Plan + Non-plan) 6,59,53,261.47

UNIVERSITY GRANTS COMMISSION

Meeting:

Dated : 10th February 1975

Item No.4: To receive a statement showing expenditure incurred by the University Grants Commission during the year 1974-75 upto 31st December, 1974.

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<u>Section I Non Plan Project</u>	<u>Budget Estimates (in lacs)</u>	<u>Expenditure upto 31st December, 1974</u>
A Administration Charges	49.00	42,06,249
B Block Grants to Central Univ	1,140.00	11,31,26,000
C Maintenance grant to Constituent/affiliated colleges of Delhi University.	445.00	4,71,98,876
D Scheme not covered under Block Grants	8.00	1,46,29,000
Total Section I	<u>1,642.00</u>	<u>17,91,60,125</u>

Section II Plan Projects

A Grants to Central & State Universities for Humanities	401.30	2,13,22,880 *1,12,628
B Grants to Central & State Universities for Science	768.59	3,65,35,250 *3,38,411
C Grants to Central & State Universities for Engg.&Tech.	225.98	1,95,26,228 *8,417
D Grants to constituent/Affiliated Colleges	672.73	2,56,74,341 *4,307
E Grants to Central & State Universities for Misc. Schemes	1,054.33	5,98,95,100 *7,32,868

\* By adjustment

F Misc. Expenditure	20.55	9,57,342
Unesco Coupons		2,64,800
Dollar Loan Schemes		2,88,201
Total Section II	<u>3,143.484</u>	<u>16,44,64,142</u>
		*11,96,631
Total Section I & II	<u>4,785.48</u>	<u>34,36,24,267</u>
		*11,96,631

SECTION III - Expenditure out of grants received from Govt. of India and other sources for specific purposes.

i) Evaluation of Books		1,350
ii) Grants to Universities for organising summer Institutes for School Teachers (out of contribution received from NCERT)		1,00,643
iii) Fellows for writing of books		5,73,716
		@41,054
iv) <u>National Sports Organisation</u>		
a) Construction of Gymnasium		7,86,265
b) Play fields		69,343
v) Dr. Zakir Hussain Memorial Lectures		5,522
vi) Aurbindo Memorial Lectures		22,600
vii) Gandhi Samark Nidhi		23,042
viii) National Award of Prizes		@5,450
Total Section III		<u>16,28,985</u>
Total Section I, II & III		<u>34,52,53,252</u>
		*11,96,631

Section iv Deposits & Advances

i) Conveyance advance	20,312
ii) Festival Advance	9,300
iii) House Building Advance	1,30,070
iv) Fan Advance	300
Total Section IV	<u>1,59,982</u>

Expenditure during 1973-74 (upto 31st December, 1973) was as under:

Section I Non Plan Project	9,97,03,447
Section II Plan Project	17,13,95,469
Total Section I & II	<u>27,10,98,916</u>

\* By adjustment

@ Administration charges.

+ These are the Budget Estimates for 1974-75 but the Committee has approved the revised estimates for Rs.28.38 crores only.

\*SCC\*

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting:

Dated: 10th February, 1975

Item No.5: To receive a statement indicating the progress of issue of Utilisation Certificates during the period ending 15th January, 1975.

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The Commission had desired (Resolution No.5) dated the 8th October, 1973 that it is kept informed of the progress of clearance of Utilisation Certificates every month. The statement showing clearance for the period ending 15th January, 1975 is given in Annexure.

Account Officer/Finance Officer

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ANNEXURE TO ITEM NO. 5

OUTSTANDING UTILISATION CERTIFICATES

②

Year	Position as on 30.6.71		Position as on 1.12.74		Position as on 15.1.75	
	No. of items	Amount in lakhs of Rs.	No. of items	Amount in lakhs of Rs.	No. of items	Amount in lakhs of Rs.
1953-54	3	2.59	-	-	-	-
1954-55) 1957-58)	216	80.20	3	.61	2*	.31
1958-59	344	138.25	165	23.64	162	22.98
1959-60	680	199.76	353	57.09	350	56.82
1960-61	967	258.99	583	111.96	582	111.88
1961-62	1291	353.20	765	180.71	759	180.08
1962-63	1798	301.21	1129	67.22	1107	58.45
1963-64	2343	404.45	1392	186.18	1365	182.41
1964-65	3783	605.40	2611	373.51	2572	370.36
1965-66	4752	660.32	2801	218.36	2759	211.23
1966-67	4426	703.61	2561	201.99	2521	183.52
1967-68	5764	1107.57	2851	192.94	2790	185.74
1968-69	8509	1545.98	4521	472.14	4409	462.81
<b>Total:-</b>	<b>34875</b>	<b>6361.53</b>	<b>19735</b>	<b>2086.35</b>	<b>19378</b>	<b>2031.59</b>

Items cleared (1.12.74 to 15.1.75) = 357

Amount cleared = Rs.54.76 lakhs.

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\* an item pertains to 1954-55 and the other to 1956-57

UNIVERSITY GRANTS COMMISSION

3

Meeting:

Dated: 11th February, 1975

Item No.6: To consider the report of the Committee appointed to review the work of the cell on the Sociology of the North-Eastern Hill Area in the Department of Sociology, Delhi University.

.....

The Delhi University submitted proposals for continuation of assistance from the University Grants Commission for the Special Cell on Sociological Studies of the North-Eastern Hill Areas in the Department of Sociology. The matter was considered by the Commission and it was desired that a Committee may be appointed to review the work done by the Cell and to make recommendations with regard to the continuation of assistance. Accordingly, a Committee consisting of the following was constituted:-

1. Dr. Chandran D.S. Devanesen  
Vice-Chancellor  
North-Eastern Hill University,  
Shillong.
2. Dr. Yogendra Singh  
Head of the Department of Sociology  
Jawaharlal Nehru University,  
New Delhi.
3. Dr. S.K. Sinha  
Director  
Anthropological Survey of India  
Calcutta.
4. Prof. M.C. Goswami  
Head of the Department of Anthropology  
Gauhati University  
Gauhati.

Officer of the Commission

5. Dr. M.L. Mehta  
University Grants Commission  
New Delhi.

The Committee visited the university during September 1974 and held discussions with the Pro-Vice-Chancellor, Head of the Department and other staff members,

P.T.O.



(4)

research scholars and students of the cell. The report of the Committee is attached (Appendix).

The Committee has made the following recommendations:-

- (1) The University Grants Commission may continue to support this scheme.
- (2) There should be active collaboration between the Department of Sociology, Delhi University and the North-Eastern Hill University.
- (3) A Joint Committee for collaboration between North-Eastern Hill Areas and North-Eastern Hill University should be set up consisting of representatives of the two universities alongwith one or two outside experts. The Committee will be responsible for the selection of candidates from the North-Eastern Area and will, in the case of research scholars, approve of their projects. If the research scholar has to carry out his field studies in the North-East he will be attached to North-Eastern Hill University during that period. Seminars and exchange of visits will be organised jointly. At least one meeting of the Committee should be held in Shillong or Kohima or Aizawl in the course of a year. The Committee will do everything to foster close collaboration between North-Eastern Hill Areas and North-Eastern Hill University. The University Grants Commission may be kept informed of all such collaborative activities.
- (4) The Committee has recommended that assistance may be provided for teaching and administrative staff as also for visiting fellows, senior research fellowships, junior research fellowships, scholarships for M.A. students and for the organization of summer schools, library etc. as detailed in Annexure-6 of the report.

3. The financial implications of the recommendations involve an expenditure of about Rs.7.28 lakhs for the fifth plan period (Recurring: Rs.5.73 lakhs; Non-recurring: Rs.1.55 lakhs).

The matter is placed before the Commission for consideration.

D. S. (D-5)

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Report of the Committee to review the work of the Cell on the Sociology of the North-Eastern Hill Areas in the Department of Sociology, Delhi University.

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Appointment of the Committee:

The Delhi University submitted proposals for continuation of assistance from the U.G.C. for the Special Cell on Sociological Studies of the North-Eastern Hill Areas in the Department of Sociology. The matter was considered by the Commission and it was desired that a Committee may be appointed to review the work done by the Cell and to make recommendations with regard to the continuation of assistance. Accordingly, a Committee consisting of the following was constituted:-

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Director,  
Anthropological Survey of India,  
Calcutta.
4. Professor M.G. Goswami,  
Head of the Department of Anthropology,  
Gauhati University,  
Gauhati.
5. Dr. M.L. Mehta,  
University Grants Commission,  
New Delhi.

Visit of the Committee:

The Committee visited the University on 12th & 13th September, 1974 and held discussions with Pro-Vice-Chancellor, Head of the Department, other staff members, research scholars and students of the Cell. The Committee also saw the research work published by the research fellows of the Cell. Dr. S.K. Sinha could not visit the University. The findings of the Committee are given below:-

PART - I - BACKGROUND OF THE PROGRAMME

3. Following the recommendations of the Committee under the Chairmanship of Professor G.G. Swell to suggest measures to

promote channels of academic communication between the North-Eastern Hill Areas and other parts of the country, the U.G.C. established a Special Cell for the sociological studies of the North-Eastern Hill Areas in the Department of Sociology, Delhi University in 1968. The main objective was to train students from the area and to develop sociological studies of the region. The programme started in 1968-69 and was upto 1970-71 initially. Later, on the recommendations of a Committee, it was extended upto 1973-74.

4. Funds were made available to the University for the award of scholarships and fellowships at different levels as also for the organisation of Summer Schools and research projects, as well as for the appointment of a Reader.

5. The Cell has concentrated its efforts mainly on training students from NEHA for various courses in Sociology, organisation of Summer Schools, invitation to scholars from the area for doing research work in the Department and for undertaking research projects on specific subjects.

M.A. & B.A.  
(Hons.)  
Courses:

6. The details regarding the students who completed their M.A. and B.A. (Hons.) Courses in Sociology under the programme are given in Annexure (2). 13 students completed their M.A. and 4 students completed their B.A. (Hons.) course during 1968-74. Most of the students were given scholarships for their studies.

Research  
Studies:

7. Research under the Special Cell has been carried out mainly by the students, specially recruited from the area to work for their Ph.D. and M.Litt. Degrees. Five students are working for their Ph.D. and one student for the M. Litt. degrees. The details of their research work are given in Annexure-(I).

8. A research project on "Political Elites in Jaintia Hills" was undertaken by the Cell. The report of the project is yet to be finalised. The Cell also undertook a study of higher education in NEHA and on the basis of the data collected, Professor M.S.A. Rao and Dr. B.S. Daviskar wrote a working paper which was presented at the Conference of the Principals of the Colleges in the North-Eastern Hill Areas at Imphal in 1970.

Summer  
Schools:

9. The Cell organised three Summer Schools during 1968-71. The first School on "Human Factors in the Socio-Economic Development of the Hill Regions of North-Eastern India" was organised in Shillong. The second Summer School was held at Simla on "The Tribal Situation in India". The third School was held at Kohima on "(a) Aspects of Political

Development (b) Aspects of Economic Development; (c) Aspect of Kinship & Marriage; and (d) Aspects of Educational Development in the Hill Areas". The proceedings were published in a publication entitled "The Sociology of North-Eastern Hill Areas".

Seminars &  
Visiting  
Fellows:

10. A number of Seminars relating to the problems of NEHA were arranged in the Department. The topics of the Seminar are given in Annexure-(3).

A few scholars entrusted with the NEHA programme have visited the Department and held discussions with the members of the staff and students on various problems concerning the region. The names of the persons are given in the annexure-(4). Dr. M. Horn, Principal, Kohima College, Kohima, Nagaland has joined the Cell as a Visiting Fellow for a year from October 1972. Shri K. Vincent, Lecturer in Economics, Union Christian College, Barapani, Meghalaya also spent two months in the Department to process his field material on "The Economics Organisation of a Khasi Village".

11. Staff members of the Department participated in various Conferences and Seminars regarding the Sociology of the Region.

12. The work of the Cell has resulted a number of papers, many of which were presented at the various Conferences. The details of the publications under this programme are given in annexure (5).

PART-II - VIEWS OF PRO-VICE-CHANCELLOR, STAFF & STUDENTS

13. The Pro-Vice-Chancellor, Head of the Department, Dr. Baidisakar incharge of the Cell, other senior faculty members, research scholars and students during the course of discussions with the Committee inter-alia made the following observations:

(i) Under the programme, it has been possible for the Cell, to train a team of young sociologists who would eventually occupy teaching, research and administrative positions in NEHA. Because of their sound training in the discipline, they would be a great asset to the organisations in which they work and also to the community at large.

(ii) The research work carried out under the Special Cell has already started appearing in print. However, more substantive results of all this research will be available from 1975-76 onwards. The Cell is already in the process of

preparing for publication a collection of essays contributed by the students and teachers on the various aspects of society and culture in NEHA. It is hoped that by the end of 1975 at least half a dozen Ph.D. and M.Litt. dissertations would be completed. About a dozen research papers would be published in professional journals. This could be considered a landmark in the development of the Sociology of this region.

(iii) Formerly only the British administrators and missionaries wrote about the people of NEHA. Later on a few anthropologists from abroad and from other parts of the country made studies on the region. However, as a result of this programme, a significant number of research scholars belonging to the area itself would be writing dissertations, scientific papers and monographs on their own people. This will be a significant development for the region.

(iv) The Cell has succeeded in establishing channels of academic communication between the region and other parts of the country by frequent meetings and discussions between scholars interested in that area and the intellectuals, community leaders, administrators and other eminent people from NEHA.

(v) The programme makes an important contribution to the integration of the people of NEHA into the mainstream of Indian life and vice-versa. Not only do the students of NEHA benefit both intellectually and socially by studying in Delhi University but other students of Delhi University also benefit a great deal from contacts with the NEHA students.

(vi) The Sociological research on NEHA will be important not only because it will add to our knowledge of the society and culture in that region but also because it will help development of comparative sociology in the true sense of the term. In course of time, the studies on NEHA would strengthen the discipline of sociology by adding the new dimension of the knowledge and understanding of the society and culture in that area.

(vii) The Cell organised three summer schools earlier. The participants among these included social scientists, administrators among those included social scientists, administrators and local leaders. The summer schools generated a keen interest in different sections of the people and made them aware of the various social, economic and political problems of the area. The proceedings of the summer schools have been published. It was unfortunate that no summer school was organised during the last three years.

(viii) One of the limitations of the programme has been its limited resources. The programme could offer only 8 scholarships for a period of three years with the result that many deserving students had to be disappointed every year.

(ix) The Department offered on an ad-hoc basis a visiting fellowship to only one scholar for a period of only one year. This again was too inadequate. Although a number of faculty members of the Department are actively and keenly interested in the area, they have not been able to translate this interest into actual research. It would have been much better if some of the faculty members had taken up research projects on the area and spent some time there for investigation and field work.

(x) Another weakness of the programme had been the inability to the non-NEHA students to take up research in NEHA and vice-versa. An attempt could have been made to get similar other students interested in research on NEHA, and similarly students from NEHA could have been encouraged to take up research in other parts of the country.

(xi) Another shortcoming has been the inadequate response from local research workers to take up research under the Special Call. The interested scholars have faced serious difficulties in obtaining academic or study leave.

(xii) Since the North-Eastern Hill University (NEHU) is now established, there should be arrangements for collaboration between the Department of Sociology and the North-Eastern Hill University at a variety of levels; teaching, research, seminars, summer schools/workshops and students.

The following suggestions were made in this regard:

(1) The Department of Sociology should make its services available for the framing of the syllabus of the M.A. course and then for the teaching of the course at the North-Eastern Hill University.

(2) There should be adequate provision for the recruitment of students from the NEHA for the M.A. course at the Department of Sociology. This provision should continue even after the NEHU establishes its own Department of Sociology and starts teaching of M.A. course.

(3) The students registered for M.Litt/Ph.D. at the University of Delhi are required to do long spells of

field work in NEHU. During their field work they should have access to the academic institutions in that area where they can seek advice and consultation. There should be some arrangements whereby the students of the Call are given the appropriate facilities by the NEHU.

(4) The students registered for research degrees in sociology or social anthropology at the NEHU can make use of orientation courses, library and other facilities at the Department of Sociology, Delhi University.

(5) The Department of Sociology should provide teacher fellowships for the teachers of the colleges affiliated to NEHU. The teacher fellowship programme may be on the lines of the similar programme under the scheme of Centres of Advanced Study.

(6) The Department of Sociology, Delhi University should depute from time to time teachers to participate in the academic work of the NEHU.

(7) The Department of Sociology and NEHU may collaborate in organising summer schools/workshops/seminars etc. from time to time. These could be held both in and outside the area, and interested scholars from all over the country may be invited.

(8) The Department of Sociology and the NEHU should take up joint research projects.

(9) The Department of Sociology may provide the services of its teaching and library staff to build up a sociology and social anthropology library at the NEHU.

### PART-III - OBSERVATIONS OF THE COMMITTEE

The Committee makes the following general observations:-

1. The programme was set up to achieve the following main objectives; (a) to establish channels of academic communication between the North-Eastern Hill Areas and other parts of the country; (b) to train students from the area and to encourage research in the area; (c) to promote emotional and national integration through these activities. Considering the activities of the programme during the last six years, the Committee is convinced that the programme has been a success. During this period, 13 students recruited from NEHU have completed the M.A. (Sociology) course. Five students completed their B.A. (Hons.) course. One student has completed M.Litt. Five students are working for their Ph.D., most of whom have completed their field work in the area and are now at various stages of the writing up of their dissertations. In the opinion of the Committee, the programme has been also to train a team

of young sociologists from the area who will eventually occupy teaching, research and administrative positions in NEHA.

2. The NEHA programme is fulfilling a genuine need for trained personnel in the field of sociology. The need for such persons is sure to increase in the coming years. As sociology gets introduced at the NEHU and its affiliated colleges, there will be a demand for qualified teachers. Moreover, there are already research institutions such as The Naga Institute of Culture at Kohima and the Tribal Research Institute at Shillong which need persons trained in sociology. Some of the State Governments in that region are also planning to set up units for sociological research. The students trained by the Cell would be highly suited to run these jobs. Such personnel need to be trained on a continuing basis in order to meet the present and future demands.

3. The research work carried out under the Special Cell has already started appearing in print, and more will be available from 1975-76 onwards. By the end of 1975 at least half a dozen Ph.D. and M.Litt. dissertations are likely to be published in professional journals. This, in the opinion of the Committee, would be an important step in the development of sociology of the region.

4. The Cell has by and large succeeded in establishing channels of academic communication between NEHA and other parts of the country by organising frequent meetings and discussions between scholars interested in that area and the intellectuals, community leaders, administrators and other eminent people from NEHA.

5. The programme clearly shows the academic and other advantages of exposing students from this area to the academic environment outside the area.

6. The Cell concentrated its efforts mainly on training students from NEHA region. Besides training facilities for NEHA scholars, the Cell, under review, organised three seminars; one at Simala, another at Shillong and still another at Kohima. The Shillong Seminar insisted on establishment of a Research Institute in the NEHA to deal with the peculiar problems of the hills. This suggestion appears to have not been implemented, may be due to variety of reasons. Another suggestion of the Shillong Seminar was for the establishment of a Folk Museum for housing the traditional arts and crafts of the region should have received the utmost consideration of this Cell. This recommendation has also not been given a shape to materialise. The Committee feels that it is essential



that attempts for preserving the region's traditional arts, songs, dances etc. be made before the same vanished for ever.

7. Scholars have taken up research activities in the different fields of their choice. It is encouraging to note that the scholars have been given adequate training in methodology and in the principles of the Social Sciences. The Co-operative efforts of the teaching staff of the Department of Sociology of Delhi University is evident in the broad interest they have shown in the academic progress of the NEHA scholars. The auxiliary objective of achieving national integration at academic level appears to have been partially fulfilled although NEHA scholars join other universities of the country without having been supported by any scheme of this kind.

8. The whole scheme, it appears, has been executed by the scholar's with the guidance of teachers at Delli without any direct supervision by an area expert in their respective fields when they were at work. It would have been undoubtedly much more effective if the scholars could receive guidance during the course of their field investigations. Availability of a supervisor at hand for consultations and guidance makes a difference to the researching scholars.

9. The Committee feels that it is desirable that the trained scholars should serve as catalytic agents for spreading communication between the academic world and the groups of people whom they represent. The scheme should not miss this point.

10. The Department of Sociology of Delhi University has, indeed, served a very good cause of training a batch of chosen NEHA scholars for training in the Social Sciences. Developmental programmes in the NEHA region need the services of local talents trained in the Social Sciences. Constitution of this programme by the NEHU in collaboration with the Sociology Department of Delhi University and such other institutions as may be willing to co-operate will pay a good dividend in the long run. The Committee is convinced that the programme has made a good beginning. What is needed most is a momentum for achieving the desired ends through the services of the local talents?

#### RECOMMENDATIONS OF THE COMMITTEE

The Committee makes the following recommendation:

1. The U.G.C. may continue to support this scheme for providing a sizable number of tribal scholars who will be

able to serve their own people after better equipped intellectually and methodologically.

2. There should be active collaboration between the Department of Sociology, Delhi University and the North-Eastern Hill University on the lines indicated above.

3. A Joint Committee for Collaboration between NEHA and NEHU shall be set up consisting of representatives of the two universities along with one or two outside experts. The Committee will be responsible for the selection of candidates from the North-Eastern Area and will, in the case of research scholars, approve of their projects. If the research scholar has to carry out his field studies in the North-East he will be attached to NEHU during that period. Seminars and exchange visits will be organised jointly. At least one meeting of the Committee should be held in Shillong or Kohima or Aizawl in the course of a year. The Committee will do everything to foster close collaboration between NEHA and NEHU. The U.G.C. may be kept informed of all such collaborative activities.

4. The Committee makes the following recommendations with regard to the Fifth Plan development proposals of the Cell:

(i) Teaching Staff:

At present there is one post of Reader under this programme. It is proposed that this post be upgraded to that of Professor. It was stated that it is necessary to have a senior person in charge of the programme for various reasons. It is easier for a senior person to deal with other senior people in the academic field, in the Government, in the public life and elsewhere. With the increase in the number of students at all levels, the greater number of visiting fellows and senior research fellows and the large number of research projects, the work of supervision and coordination of the programme will become more voluminous as well as complex and this will demand academic abilities as well as organisational skills of a higher order. A person of the rank of Professor will be better suited to handle this task. It is also necessary to ensure the effective implication of the proposed programme of collaboration between the Department of Sociology and the NEHU. Keeping in view the magnitude of the programme and its future programmes of collaboration with NEHU, the Committee recommends that the post of Readership available in the university under this programme may be upgraded to that of Professor if done conveniently, otherwise a post of Professorship may be created independently and the post of Reader sanctioned earlier may be treated as withdrawn.

(ii) Administrative Staff:

There is one post of Steno-Typist under the programme. It should be continued.

(iii) Visiting Fellows:

At present there is some provision for inviting one visiting fellow under the programme. It is proposed that one visiting fellowship be instituted on a regular basis to invite suitable scholars from colleges, universities, research institutions and Government Departments in NEHA. The Visiting Fellow would work for three to twelve months in the Department on a suitable research problem pertaining to NEHA and would give lectures and seminars on the subject of his study. The Committee supports the proposal of the University as this will greatly help in enhancing the understanding of the sociological dimensions of the problem of NEHA among the researchers and academicians in the region. The value of the fellowship should be flexible.

(iv) Senior Research Fellowships:

At present there is no senior research fellowship under the programme. The university has proposed one senior research fellowship to be awarded to a post-doctoral scholar or a scholar with equivalent qualifications. The Committee recommends the proposal.

(v) Junior Research Fellowships:

At present there is one Ph.D. fellowship of Rs.300/- per month and one M.Litt. fellowship of Rs.250/- per month to be awarded only once during a period of three years. The university has proposed that there should be two junior research fellowships of the value of Rs.300/- per month to be awarded every year. One of these may be awarded for doing M.Litt. and the other for doing Ph.D. The Committee recommends that two fellowships may be awarded each year as proposed. The value of the M.Litt. scholarship may be decided by the U.G.C. in accordance with its policy.

(vi) M.A. Scholarships:

At present there are four M.A. scholarships each of Rs.150/- per month to be awarded only once during a period of three years. It is proposed that four M.A. scholarships, each of the value of Rs.150/- per month be awarded every year. It was stated that the department receives a large number of applications from deserving students from NEHA but many of them are unable to join the M.A. course due to lack of adequate number of scholarships. The M.A. scholarship holders should be paid allowances for travel, books, and incidental expenses during the tenure of scholarship. The Committee recommends that two scholarships may be awarded every year.

(vii) Library, furniture, stationery etc:

It was stated that at present there is a consolidated grant of Rs.25,000/- for furniture, stationery, contingencies and library etc. etc. for a period of three years. It was proposed that a provision of Rs.50,000/- be made for these purposes for a period of five years. It was stated that during the past few years, the department has acquired a number of books and journals on NEHA. The Committee suggests that a sum of Rs.40,000/- may be provided for books and journals and a provision of Rs.10,000/- be allowed for furniture, stationery and contingencies for the period of next five years.

(viii) Research Projects and Field Investigations:

It was stated that at present there is a provision of about Rs.20,000/- under this for a period of three years. This amount was far from adequate. The Department proposes to undertake more research projects on important problems relating to NEHA. The Committee recommends that a provision of Rs.50,000/- be made for this purpose for the 5th Plan period as requested by the university.

(ix) Summer Schools:

There is a proposal to organise two summer schools/workshops during the next five years. A provision of Rs.60,000/- has been asked for this purpose. The Committee supports the proposal.

The financial implications of the recommendations of the Committee as above require an expenditure of Rs. as summarized in Annexure-6.

ACKNOWLEDGEMENT

The Committee puts on records its thanks to the Pro-Vice-Chancellor, Head of the Department, other faculty members, research scholars and students working in the Cell for facilitating the work of the Committee.

ANNEXURE-I

Details of the work of Ph.D. and M.Litt. students:

Ph.D.

1. N.R. Singh from Manipur was working on "Kinship and Marriage Among the Meiteis of Manipur" for his Ph.D. Unfortunately he died in November, 1973 before completing his thesis. However, he has already published a number of papers on his research work and the Department is planning to edit for publication and manuscript left by him.
2. C. Munthara from Mizoram is working on "The Politics of the Mizo Hills" for his Ph.D. He has recently completed one year's intensive field work in Mizoram during which he has interviewed in depth the M.L.A.s and other political leaders.
3. G.N. Pegu from Assam is writing his Ph.D. thesis on "Leadership and Social Structure in a Village in Jaintia Hills". He spent more than a year in a village and its surrounding region in Jaintia Hills.
4. K.R. Marak from Meghalaya is engaged in a study on "Political Elites in Meghalaya" for her Ph.D. thesis. She has just returned after more than a year's field work in the area.
5. Margaret Ringat from Meghalaya undertook a brief field visit to the area to collect data on "Family and Kinship among the Pnar of Meghalaya", the subject of her Ph.D. dissertation. During this visit she undertook an exhaustive census of more than 200 households in Jowai town.
6. M.D. Pugh, Deputy Director, Tribal Research Institute, Shillong has recently been admitted to the Ph.D. course in the Department. She proposes to work on "The Changing Pattern of Social Stratification among the Khasis".
7. Tiplut Nongbri from Meghalaya has recently been admitted to the Ph.D. course. She proposes to work on "Religion and Social Change Among the Khasis".

M.Litt:

1. K.R. Marak, a student from Meghalaya, was awarded the M.Litt. degree in 1972 for her dissertation "A Comparative Sociological Analysis of Local Government in North Eastern Region of India".

2. N. Angou Singh from Manipur will soon complete his M.Lit. dissertation on "Political Development in the Hill Areas of Manipur". His thesis examines, among other things, the efforts of the various tribal groups in the area to integrate themselves with the same tribal groups in the neighbouring states.

3. Kevinino Poseyie from Nagaland is currently doing field work in Kohima for her M.Litt. dissertation on "Education and Social Change in Nagaland".

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ANNEXURE-2M.A. and B.A. (Hons.) Courses:

Name	State	Year	Source of Scholarship
A. Pyrtuh	Meghalaya	1968-70	Special Cell
N.R. Singma	Meghalaya	1968-70	Special Cell
Margaret Bangat	Meghalaya	1969-71	Special Cell
S. Talchankhum	Manipur	1969-71	Special Cell
C. Manthire	Mizoram	1969-71	U.G.C.
Lal Ruata	Mizoram	1970-72	U.G.C.
K. Poseylo	Nagaland	1970-72	U.G.C.
Z. Lalming Liana	Mizoram	1971-73	U.G.C.
Ibochou Singh	Manipur	1971-73	Special Cell
Parul Dobi Das	Meghalaya	1972-73	Special Cell
Thiplut Nongbri	Meghalaya	1972-74	Special Cell
Laldingliani Sallo	Mizoram	1972-74	Special Cell
Van Bola	Mizoram	1973-75	U.G.C.

B.A. (Hons.) Courses:

Mode Ango	Arunachal Pradesh	1968-71	Special Cell
Z. Lalming Liana	Mizoram	1968-71	Special Cell
Laisram Dilly Devi	Manipur	1971-74	Special Cell
Zoming Thango	Mizoram	1972-75	Special Cell
Shungam Rangsung	Manipur	1973-76	- -

ANNEXURE-3

SEMINARS

1. M. Aram, Nagaland Peace Centre, Kohima:  
Recent Changes in Naga Society.
2. Hanlet Baren, Nagaland District Gazetteer Unit,  
Kohima:  
Khasi Political Institutions: Past and Present,  
Some Aspects of Social Change in Nagaland.
3. Dr. M. Hram, Kohima College, Kohima:  
Naga Politics,  
The Underground Nagas.
4. C. Munthara, University of Delhi:  
Political Trends in Mizoram.
5. G.N. Pegu, University of Delhi,  
Leadership and Social Structure in a Village  
in Jaintia Hills.
6. Margaret Rangat, University of Delhi:  
Some Aspects of the Prar Household.
7. N.R. Singh, University of Delhi:  
Marriage by Elopement among the Meiteis of  
Manipur.
8. K. Vincent, Union Christian College,  
Barapani:  
Social Factors and Labour Input in Farm  
Operations in a Village in Meghalaya.



ANNEXURE-4

VISITORS:

1. Shri M. Alomchiba Ao, Cultural Research and State Museum, Nagaland, Kohima.
2. Dr. M. Aram, Nagaland Peace Centre, Kohima, Nagaland.
3. Dr. Hmlot Barch, Nagaland District Gazetteer Unit, Kohima, Nagaland.
4. Principal, T.S. Gangte, Churachandpur College, Churachandpur, Manipur.
5. Shri K.M. Gupta, Himalaya Seva Sangh, New Delhi.
6. Dr. M. Hornu, Principal, Kohima College, Kohima, Nagaland.
7. Professor G. Kabui, D.M. College, Imphal, Manipur.
8. Rev. B.M. Pugh, Former Principal of Union Christian College, Birapani, Meghalaya.
9. Miss M.D. Pugh, Tribal Research Institute, Shillong.
10. Shri Radhakrishna, Gandhi Peace Foundation, New Delhi.

ANNEXURE-5

PUBLICATIONS:

1. B.S. Baviskar and M.S.A. Rao, "Voluntary Agencies and Higher Education in the North Eastern Hill Areas", paper presented at the Conference of College Principals from NEHA at Imphal in October, 1970 under the auspices of the U.G.O.
2. B.S. Baviskar, "A Note on the Priorities in Research on Scheduled Tribes", paper presented at the Conference of Anthropologists on Priorities in Research on Scheduled Tribes held in New Delhi in May, 1972 under the joint auspices of I.C.S.S.R. and Indian Institute of Advanced Study, Simla.
3. B.S. Baviskar, "Tribes and Nations: Some Observations", presidential address at the Work Shop on Tribes and Nation held in New Delhi on March 3, 1974 under the auspices of the Bharatiya Adimjati Sevak Sangh.
4. K.R. Marak, "Local Government among Three Tribal Groups in the North Eastern Hill Areas": paper presented at the Third Summer School, Kohima, April 7-14, 1970.
5. K.R. Marak, "Parliamentary Elections in the Tura Constituency in Meghalaya", forthcoming.
6. G. Muntlura, "The Problem of Tribe-National Relationship in Mizoram", Paper presented at the Workshop on Tribes and Nation, New Delhi, March 3, 1974.
7. G.N. Pegu, "Tribes and Nations: A View from the North East of India", paper presented at the Workshop on Tribes and Nations, New Delhi March 3, 1974.
8. G.N. Pegu, "Visiting Husbands among the Pnar of Jaintia Hills", forthcoming.
9. M.S.A. Rao, B.S. Baviskar and E.A. Ramaswamy, Sociology of North Eastern Hill Areas, Proceedings of the Third Summer School, Kohima, April, 7-14, 1970.
10. K. Suresh Singh (Ed.), Tribal Situation in India: Proceedings of a Seminar, Simla: Indian Institute of Advanced Study, 1972.
11. N. Angou Singh, "Tribes and Nation Building in Manipur", paper presented at the Workshop on Tribes and Nation, New Delhi, March 3, 1974.

12. N.R. Singh, "Marriage Type and Frequency of Divorce among the Meitheis of Manipur", paper presented at the Thiru Summer School, Kohima, April 7-14, 1970.
13. N.R. Singh, "A Note on the Tangkul of Phungdon Village in Manipur", Eastern Anthropologist, XXIV (1971): 59-62
14. N.R. Singh, "Marriage by Elopement among the Melteis of Manipur", Man in India, 53(2), 1973, 135-52.
15. N.R. Singh, "Parliamentary Elections in two Villages of Manipur", forthcoming.
16. M.N. Srinivas and R.D. Sanwal, "Some Aspects of Political Development in the North Eastern Hill Areas of India", North Eastern Research Bulletin, Vol. 1, 1970, pp.1-10.

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ANNEXURE-CFINANCIAL ESTIMATESFifth Five Year Plan proposals for the North Eastern Hill  
Areas Programme (1974-75 to 1978-79)

1.	<u>Teaching Staff:</u>	
	1. Professor - 1 (1500-2500)	Rs. 1,20,000
2.	<u>Non-Teaching Staff:</u>	
	1. Steno-Typist - 1 (330-560)	Rs. 53,200
3.	<u>Scholarships/Fellowships:</u>	
	1. Visiting Fellowships - 1	Rs. 72,000
	@ Rs.1200/-p.m. (approximately)	
	(+) Rs.2,000/- p.a. for contingencies	Rs. 10,000
	(+) Rs.1,000/- p.a. for travel.	Rs. 5,000
4.	<u>Sr. Research Fellowships - 1</u>	
	@ Rs.600/-p.m. (fixed)	Rs. 36,000
	(+) Rs.2,000/- p.m. for contingencies	Rs. 10,000
	(+) Travel grant (1st class to and fro once a year)	Rs. 3,000
5.	<u>Jr. Research Fellowships - 2 every year:</u>	
	@ Rs.400/-, Rs.500/-p.m.	Rs.1,46,400
	(+) Rs.1,500/- p.a. for contingencies	Rs. 42,000
	Travel.	Rs. 22,400
6.	<u>M.A. Scholarships - 2 every year:</u>	
	@ Rs.150/-p.m.	Rs. 27,450
	(+) Rs.100/-p.a. for books.	Rs. 1,800
	(+) Rs.100/- to each as incidental expenses	Rs. 1,000
	during the tenure of the scholarship.	
	(+) Travel grant.	Rs. 7,200
7.	<u>B.A. (Hons.) Scholarships - 2 every year:</u>	
	@ Rs.100/-p.m.	Rs. 25,200
	(+) Rs.100/-p.a. for books	Rs. 2,400
	(+) Rs.100/- to each as incidental expenses	Rs. 1,000
	during the tenure of the scholarship.	
	(+) Travel grant.	Rs. 7,200
		<hr/>
	Total:	Rs.5,73,250
		<hr/>
8.	<u>Other Charges (Non-recurring):</u>	
	(i) Library, Furniture, Stationery & contingencies.	Rs. 45,000
	(ii) Research Projects & field investigations	Rs. 50,000
	(iii) Summer Schools	Rs. 60,000
		<hr/>
	Total:	Rs.1,55,000
		<hr/>
	Total Recurring & (R)	Rs.5,73,250
	Non-Recurring: (NR)	Rs.1,55,000
		<hr/>
		Rs.7,28,250
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Confidential

University Grants Commission

(5)

Meeting:

Dated: 10th February, 1974

Item No. 7: To receive the report of the working group constituted by the Ministry of Health and Family Planning to study in depth the Problems relating to the College of Medical Sciences of Delhi University.

.....

The Government of India in Ministry of Health and Family Planning constituted a working group in September, 1971, to study in depth, the Problems relating to the Delhi University's College of Medical Sciences. The report of the above said, working group, has since been finalised and the main recommendations are as under:-

RECOMMENDATIONS OF THE GROUP

1. In the future set up, both the college and the hospital should be under one unified control.
2. The DDA representatives having agreed to give 34 acres of additional land in the Shahdara area at a distance of about 1 mile from the site, where 54 acres of land have already been allotted, the original plan of constructing college-cum-hospital complex at Shahdara as envisaged in 1971 may be adhered to. If the college-cum-hospital complex is located at Shahdara 100% residential accommodation will have to be provided to the staff; whereas if the college is located within the city, limited accommodation to some of the employees could be sufficient. As recommended earlier, the college and hospital, wherever it is located, should be under one authority which could be either Delhi University or the Delhi Administration. This would need the approval of the Cabinet.
3. In case sufficient land is not available at Shahdara due to DDA not being able to give firm commitment, the next best alternative would be to base the college on the Hindu Rao Hospital. In such an eventuality efforts will have to be made to persuade the Delhi Municipal Corporation to hand over the hospital to the Delhi University/Delhi Administration.

P.T.O.

(6)

4. Failing the alternatives mentioned in paragraphs (2) and (3) above, the Group recommends that there will be no alternative but to develop the Medical College in the Safdarjang complex to be run by either Delhi University or the Delhi Administration.
5. The Group recommends that the level of expenditure upto 1973-74 on the running of the college should be treated as committed expenditure and provided in 'non-plan' budget of the University Grants Commission/ Ministry of Education. Further the current recurring and non-recurring expenditure in the running of the college should be provided for in the plan of UGC and the Ministry of Education over and above the provision already being given to the University Grants Commission till such time the firm decision about the future location and administration of the college is taken. The financial requirements of the college can be worked out in meaningful detail only after a firm decision about its location is arrived at.

The Ministry of Education has been approached to pursue the matter further with the Ministry of Health and Family Planning for implementing the recommendations of the working group.

The recommendations of the Working Group are for the information of the Commission.

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'CHUGH'

UNIVERSITY GRANTS COMMISSION

7

Meeting:

Dated: 10th February, 1974

Item No. 8: To receive the recommendations of the Expert Committee appointed by the University Grants Commission to work out the broad outlines and structure of courses relevant for the rural environment in the degree courses.

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The University Grants Commission at its meeting held on 16th January, 1974 considered the report of a Committee appointed to consider the question of introduction of courses relevant to the rural environment in the degree courses. A copy of the note placed before the Commission is attached (Annexure-I). The Commission generally accepted the suggestions made by the Committee and felt that there was an urgent need to bring greater relevance to all university level courses and the problem of the curriculum of the rural colleges was a part of this general problem. Attempts will have to be made to bring about congruence of the university curriculum with the needs of the community which surrounds them; viewed from this angle, the rural and urban communities would provide different but appropriate laboratories to sustain the academic contents of university courses. The Commission desired that a Committee may be appointed to look into this larger question and work out the broad outlines and structure of courses.

Accordingly, a Committee with the following members was appointed to consider this matter:-

1. Professor Satish Chandra,  
Vice-Chairman,  
University Grants Commission.
2. Professor R. S. Sharma,  
Head of the Department of History,  
Delhi University.
3. Professor Rais Ahmed,  
Director,  
N.C.E.R.T., New Delhi.

P.T.O.

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4. Professor J.B. Chitambar,  
Principal,  
Allahabad Agricultural Institute,  
Allahabad.
5. Professor M.S. Gore,  
Tata Institute of Social Sciences,  
Bombay.
6. Professor N.V. Subba Rao,  
Professor of Chemistry,  
Osmania University,  
Hyderabad.
7. Professor A.R. Desai,  
Professor of Sociology,  
Bombay University,  
Bombay.
8. Professor D. Banerji,  
Associate Professor & Chairman,  
Centre of Social Medicine & Community Health,  
Jawaharlal Nehru University,  
New Delhi.

The Committee at its meeting held on 12th July, 1974, inter-alia recommended that a Committee of subject specialists especially in Natural Sciences may be appointed to suggest different combinations of subjects to be recommended to the universities for implementation so as to encourage them to re-orient their courses in a manner such as to apply their theoretical knowledge to the problems of the region through project work, extension etc. and to develop courses relevant to the region and integrate them with the traditional courses at the undergraduate level for the benefit of the community.

The following Committee of subject specialists was, therefore, appointed to consider this matter:-

1. Professor Rais Ahmed,  
Director,  
N.C.E.R.T., New Delhi.
2. Professor J.B. Chitambar,  
Principal,  
Allahabad Agricultural Institute,  
Allahabad.



3. Professor N.V. Subba Rao,  
Head of the Department of Chemistry,  
Osmania University,  
Hyderabad-7.
4. Dr. N. Ananta Rao,  
Deputy Director-General,  
Indian Council of Agricultural Research,  
New Delhi.
5. Dr. Anil Satgopal,  
Biologist, Kishor Bharati,  
Washangabad.
6. Dr. C.V. Ramakrishnan,  
Professor of Biochemistry,  
M.S. University of Baroda,  
Baroda.
7. Shri M.H.C.P. Shetty,  
Principal,  
College of Fisheries,  
Mangalore.

The reports of these two committees are attached as (Annexures-II & III) respectively. The chief observations of the Committees are as under:-

- i. A basic course on national problems dwelling mainly on social and economic problems faced by the country be introduced at the undergraduate level for all students on an all India basis.
- ii. The teachers of degree colleges be given orientation so as to enable them to teach their subjects more effectively by co-relating them with the problems connected with the harnessing of resources and development of the region concerned. Such a training may be organised either through the Summer Institute Programme or through other faculty exchange programme.
- iii. The existing conventional courses be integrated with concrete problems and with the courses related to the development of the region so that the training may increase the employment potential of the youth. Such courses may be

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developed by each university after keeping in view the needs of the community and the resources available, and also the need for providing an opportunity to the talented students to go for Master's degree, if they so desire. Steps will have to be taken to ensure that under the new scheme the standards of courses in conventional courses are not diluted and are sufficiently high so as to make the students eligible for admission to the Master's course.

- iv. (a) With a view to improving the employability of graduates who do not want to prosecute higher studies, one-year postgraduate diploma course in select subjects be introduced.
- (b) Short-term courses may also be organised in the evening for the benefit of the undergraduate students in subjects such as food and fruit preservation, poultry farming, bee keeping, nursery and gardening etc.
- v. Such restructuring of courses may be given effect to, to start with, in a few selected universities and colleges on a pilot scale.
- vi. The University Grants Commission may provide basic assistance in the form of grants for the purchase of equipment, setting up of workshops and clinical and chemical laboratories and for the purchase of books and appointment of skeleton necessary staff. It may be helpful if the visiting committees appointed by the Commission, for assessing the development requirements of various universities for the Fifth Plan period discuss various programmes with the university authorities and identify six or seven universities, which can initiate this programme.
- vii. For the success of these courses it is essential that
  - (a) The Universities recognise these courses for admission to postgraduate degree.

- (b) The Director-General of Health Services, Director-General of Indian Council of Agricultural Research and Director-General of Council of Scientific and Industrial Research, recommend the degree obtained with these courses as the basic requirements for the employment of second or third level workers (para-medical, para-agricultural or para-engineering) for rural development work to be undertaken by them in the field of health, agriculture and industrial development.
- viii. By way of illustration, the Committee, in the field of Natural Sciences suggested the following combinations:-
- (a) Mathematics, Physics and Electronics/ Applied Physics (Workshop Technology/ Machine Shop Practice/Instrumentation).
  - (b) Botany, Chemistry and Horticulture.
  - (c) Zoology, Chemistry and Fisheries.
  - (d) Botany/Zoology, Chemistry and Home Science.
  - (e) Zoology/Chemistry & Applied Nutrition and Public Health.
  - (f) Micro-biology, Chemistry/Bio-chemistry & Applied Nutrition and Public Health.
  - (g) Botany/Zoology, Chemistry and Soil Science.
  - (h) Physics, Chemistry and Agro-chemicals including Fertilizers.
  - (i) Botany, Chemistry and Agro-chemicals including Fertilizers.
  - (j) Zoology, Chemistry and Dairy Science.
  - (k) Botany/Zoology, Chemistry and Plant Protection.
  - (l) Biology, Chemistry and Plant Protection (where there is an integrated course in plant protection).

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- ix. Before considering the proposals of universities/ colleges for the introduction of these courses it would be advisable if the institutions concerned are requested to send a profile of three years programme so that the Commission may know their programme in detail.

The matter is placed before the Commission for consideration.

D. S. (D-3)

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Copy of the note placed before the Commission at its meeting held on 16th January, 1974 (vide Item No.6).

13

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The University Grants Commission at its meeting held on 23th May, 1973 (Item No.16) considered a Working Paper sent by the Ministry of Education and Social Welfare with regard to the development of rural higher education for the views of the University Grants Commission. The following observations had been made in the Working Paper:-

/Rural Marketing,  
Agricultural  
Development

1. The present colleges in the rural areas impart education which has no relevance to their environment. Like other colleges in urban areas, they offer a single track system, leading to an all-purpose degree without any relation to employment position. It is, therefore, necessary to evolve a system where the general education imparted in the colleges in rural areas is interwoven with employment motivation. The objective can be achieved by introducing subjects of rural importance at the undergraduate level alongwith the conventional university subjects in suitable combinations. These could be Rural Economics, Rural Sociology, Rural Development, Rural Banking, Rural Cooperative, Home Economics, Nutrition, Extension Education and Community Development.
2. The Agricultural Universities are also offering some of the subjects mentioned above in the total curriculum of above course in Agriculture but not as specialities. There will, however, be no conflict between the Agricultural Universities working in these areas and the present proposal made above as Rural Development Programme requires a large number of trained personnel and the attempt should be to improve the employability of Arts and Sciences graduates offering these subjects at the first degree level.
3. As a first step the scheme may be implemented in few selected colleges in rural areas in each State.
4. The existing Polytechnics in rural areas may orient their courses to rural needs. These Polytechnics could offer courses in rural

(14)

engineering with special reference to rural sanitation, water supply and drainage. Courses in farm power and machinery, soil and water conserving could also be offered.

The Commission desired that the suggestions may be examined with the help of a Committee keeping in view the efforts being made by other agencies like Agricultural Universities, Agricultural Polytechnics, Mobile Rural Health Service Units.

A Committee with the following members was accordingly appointed to go into this matter in detail:

1. Dr. D.P. Singh,  
Vice-Chancellor,  
GB Pant University of Agriculture & Technology  
Pant Nagar (Nainital).
2. Professor S.N. Ranade,  
Principal,  
Delhi School of Social Work,  
Delhi.
3. Dr. P. Dimesh,  
Commissioner for Rural Health Service & Mobile  
Hospitals, Ministry of Health & Family Planning  
New Delhi.
4. Professor D. Banerji,  
Associate Professor and Chairman  
Centre of Social Medicine & Community Health  
Jawaharlal Nehru University,  
New Delhi.
5. Shri Prithipal Singh Kapur,  
Principal,  
Gurunanak Nav Bharat College,  
Narur Panchhat,  
Kapurthala.
6. Shri C.K. Saint,  
Director,  
Vidya Bhavan Rural Institute  
Udaipur.
7. Shri Bishan Singh Samundri,  
Vice-Chancellor,  
Gurunanak University,  
Amritsar.

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The Committee met on 8th November, 1973. A copy of the report of the Committee is attached (Annexure). The Committee has made the following observations/recommendations:-

(i) There should not be a sharp distinction in the courses in urban and rural colleges; but both should provide programmes which are linked to employment.

(ii) As a first step a restructuring of the courses at the degree level should be attempted. One of the existing courses should be a specialised course providing training in fields where the students after completion of the course can have potential for a job. This arrangement would have to be worked out for the University as a whole and need not be confined to colleges in rural areas. It could be a new stream which may run simultaneously with the existing one.

(iii) The students after completion of this course should get a degree and not a diploma.

(iv) To overcome the difficulty of the availability of sufficient number of trained teachers to handle the modified syllabus, two or three centres may have to be set up to train the staff intensively for reoriented courses.

(v) The details of the restructuring of courses may be worked out by expert committees.

The matter is placed before the Commission for consideration.

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Minutes of the Meeting of the Committee appointed by the University Grants Commission to consider the Question of Introduction of Courses Relevant to the Rural Environment in the Degree Courses.

The meeting of the Committee appointed by the University Grants Commission to consider the question of introduction of courses relevant to the rural environment in degree courses was held on 8th November 1973. The following were present:-

1. Chairman,  
University Grants Commission.
2. Vice-Chairman,  
University Grants Commission.
3. Dr. D.P. Singh,  
Vice-Chancellor,  
GB Pant University of Agriculture & Technology,  
Pant Nagar (Nainital).
4. Professor S.N. Ranade,  
Principal,  
Delhi School of Social Work,  
Delhi.
5. Dr. P. Diash,  
Commissioner for Rural Health Service &  
Mobile Hospitals,  
Ministry of Health & Family Planning,  
New Delhi.
6. Professor D. Banerji,  
Associate Professor and Chairman,  
Centre of Social Medicine & Community Health,  
Jawaharlal Nehru University,  
New Delhi.
7. Shri Prithipal Singh Kapur,  
Principal,  
Gurunank Nav Bharat College,  
Harur Panchhat,  
Kapurthala.
8. Shri C.K. Saint,  
Director,  
Vidya Bhavan Rural Institute,  
Udaipur.



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9. Shri R.K. Chhabra,  
Secretary, U.G.C.
10. Shri L.S. Mal,  
Education Officer, U.G.C.

Shri Bishan Singh Samundari, Vice-Chancellor, Guru Nanak University, Amritsar, could not attend the meeting.

The Committee was informed that the Union Minister for Education had sometime back set up a consultative group for laying down the policy for the development of rural higher education in the country. The Consultative group had made the following observations:-

1) The present colleges in the rural areas impart education which has no relevance to their environment. Like other colleges in urban areas, they offer a single track system, leading to an all-purpose degree without any relation to employment position. It is, therefore, necessary to evolve a system where the general education imparted in the colleges in rural areas is interwoven with employment motivation. The objective can be achieved by introducing subjects of rural importance at the undergraduate level alongwith the conventional University subjects in suitable combinations. These could be Rural Economics, Rural Sociology, Rural Development, Rural Marketing, Agricultural Development, Rural Banking, Rural Cooperative, Home Economics, Nutrition, Extension Education and Community Development.

2) The Agricultural Universities are also offering some of the subjects mentioned above in the total curriculum of above course in Agriculture but not as specialities. There will, however, be no conflict between the Agricultural Universities working in those areas and the present proposal made above as Rural Development Programme requires a large number of trained personnel and the attempt should be to improve the employability of Arts and Sciences graduates offering these subjects at the first degree level.

3) As a first step the Scheme may be implemented in few selected colleges in rural areas in each state.

4) The existing Polytechnics in rural areas may orient their courses to rural needs. These Polytechnics could offer courses in rural engineering with special reference to rural sanitation, water supply and drainage. Courses in farm power and machinery, soil and water conserving could also be offered.

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The Government of India wanted the views of the U.G.C. on the observation made by the consultative group.

The Chairman, U.G.C., pointed out that the problem of rural higher education has to be viewed in the proper perspective. There are colleges in rural areas where population is very low and consequently the enrolment is also not viable. Steps have to be taken to reorient education in rural areas so that there is an impact of education and the students can be gainfully employed after the completion of their courses. No doubt there are innumerable difficulties in providing different type of education in colleges in rural areas as majority of the subjects to be taught have to have the same basic course content for both urban and rural colleges. However, if the students from the rural areas are to have education relevant to their needs the rural colleges have to be service oriented.

The following points were made in the discussion:

- (i) There could be three types of courses in the colleges in the rural areas:
  - (a) Courses leading to a Degree.
  - (b) Non-degree diploma courses
  - (c) Non-degree non-diploma courses where the duration could be from 2 to 3 weeks to 6 months. These could provide programmes of training for self-employment e.g. farms training.

The rural colleges could be a success if such programmes are introduced in other colleges as well. The courses suggested by the Consultative group of the Ministry of Education are not likely to serve the desired purpose. What is required is emphasis on the practical aspect of education.

(ii) Rural higher education poses an intellectual challenge. The rural problems are different and special means are required to tackle them. In the present system the rural colleges become an appendage to the urban colleges. A very large input would be necessary if better results are expected from the rural colleges. It has also to be ensured that the product of the rural colleges is in no way inferior to that of the urban colleges.

(iii) In any programme of reorganisation of courses of rural colleges, the availability of well-trained and devoted teachers would be of crucial importance. The large number of teachers already working in the rural colleges is a legacy and their professional competence has to be improved. It may be easy to provide courses relevant to the needs of rural areas but the training of existing teachers would be a formidable task.

(iv) Rural higher education should be service oriented. The colleges should provide for teaching, extension and research. For this purpose only a few colleges should be selected in rural areas.

(v) In any scheme of rural higher education apart from specialised courses relevant to that area training in humanities and social sciences would be necessary to make the students better citizens.

After detailed discussions the Committee felt that there should not be a sharp distinction in the courses in urban and rural colleges; but both should provide programmes which are linked to employment. As a first step a restructuring of the courses at the degree level should be attempted. One of the existing courses should be a specialised course providing training in fields where the students after completion of the course can have potential for a job. This arrangement would have to be worked out by the university as a whole, and need not be confined to colleges in rural areas. It could be a new stream which may run simultaneously with the existing one. The Committee felt that even if there is a dilution of the standard of general education, the modified syllabus will be more functional. The students after completion of this course should get a degree and not a diploma. To overcome the difficulty of the availability of sufficient number of trained teachers to handle the modified syllabus two or three centres may have to be set up to train the staff intensively for reoriented courses. The details of the restructuring of courses would have to be worked out by expert committees.

Minutes of the first meeting of the U.G.C. Committee appointed to work out the broad outlines and structure of courses relevant for the rural environment in the degree courses held on 12th July, 1974. (20)

The first meeting of the Committee appointed by the University Grants Commission to work out the broad outlines and structure of courses relevant for the rural environment in the degree courses was held on 12th July, 1974 in the office of the University Grants Commission. The following were present:-

1. Dr. George Jacob  
Chairman,  
University Grants Commission.
2. Professor Satish Chandra,  
Vice-Chairman,  
University Grants Commission
3. Professor Rais Ahmed,  
Director,  
N.C.E.R.T.,  
New Delhi.
4. Professor J.B. Chitambar  
Principal,  
Allahabad Agricultural Institute,  
Allahabad.
5. Professor N.V. Subba Rao,  
Professor of Chemistry,  
Osmania University,  
Hyderabad.
6. Professor A.R. Desai,  
Professor of Sociology,  
Bombay University,  
Bombay.
7. Dr. T.N. Hajela,  
Deputy Secretary,  
University Grants Commission.

Professor R.S. Sharma, Professor M.S. Gore and Professor D. Banerji, could not attend the meeting.

At the outset the Vice-Chairman, explained the scope of work of the Committee. He said that the Committee was required to work out broad outlines and structure of

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courses relevant to the needs of the community in the degree courses, so that the students after the completion of the course can have potential for a job. It would not be feasible to divide colleges between rural and urban. A wide variety of institutions, viz., Agricultural Universities, Multi-Faculty Universities, Rural Institutes, Research Centres, etc. are already catering to the requirements of a wide variety of people. But, with the changing environment and the growing developmental needs of the country, these institutions cannot be left to work in isolation and therefore some sort of inter-action between them, has become essential in order to make higher education more meaningful and useful to the society. It is in this context that restructuring of courses is required so that the training imparted may be in conformity with the needs of the community as a whole and also help in raising the employment potential of the young people. The new courses must be essentially problem oriented.

After discussing the recommendations made by an earlier Committee of the UGC as contained in the working paper prepared by the UGC office and after considering the suggestions made by Professor M.V. Subba Rao, the Committee decided to recommend as under:-

- (i) A basic course on national problems be introduced at the undergraduate level for all students on an All-India basis. Professor A.R. Desai, very kindly agreed to prepare an outline of such a course, dwelling mainly on the socio-economic problems faced by the country.
- (ii) The teachers of degree colleges be given orientation so as to enable them to teach their subjects more effectively by co-relating them with the problems connected with the harnessing of resources and development of the region concerned. Such a training will be to create among the teachers a general awareness about local resources, so that they may communicate it to their students through their lectures and social contacts. Such a training may be organised either through the summer institute programme or through other faculty improvement programmes.
- (iii) Encourage the universities to re-orient their courses in a manner such as to apply their theoretical knowledge to the problems of the region through project work, extension, etc. and to develop courses relevant to the region and integrate them with the traditional courses at the undergraduate level for the

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benefit of the community. In other words, the existing conventional courses be integrated with concrete problems and with the courses related to the development of the region so that the training may increase the employment potential of the youth. For example, a conventional course in Zoology be integrated with a course in Fisheries, Botany with Horticulture; Physics with Electronics, Radio engineering etc., Chemistry with agro-chemicals and fertilisers; economics with cooperation or farm management/home economics; sociology with social work/nutrition and health hygiene; commerce with agricultural economics/secretarial practice etc.etc. Such courses may be developed by each university after keeping in view the needs of the community and the resources available, and also the need for providing an opportunity to the talented students to go for Master's degree, if they so desire. Steps will have to be taken to ensure that under the new scheme the standards of courses in conventional subjects to be taught are not diluted and are sufficiently high so as to make the students eligible for admission to the Master's course.

- (iv) (a) With a view to improving the employability of graduates who do not want to prosecute higher studies leading to Master's Course, one year postgraduate diploma course in select subjects be introduced. Such subjects could be, animal husbandry, farm management, instrumentation, laboratory technicians, soil testing and conservation etc. etc.
- (b) Short-term courses may also be organised in the evening for the benefit of the undergraduate students in subjects such as food and fruit preservation, poultry farming, bee-keeping, nursery and gardening etc. etc.

It was further decided that the outline of the basic course as in (i) above when received from Professor Desai may be brought before the Committee. Regarding the introduction of new courses as in (iii) above, it was decided that a Committee consisting of subject specialists specially in natural sciences, may be appointed to suggest different combinations of subjects which may be recommended to the universities for implementation.

Minutes of the meeting of the Committee of Subject Specialists, appointed by the University Grants Commission, to suggest different combinations of Subjects for Structuring of Courses relevant for the Rural Environment at the Degree Level.

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The meeting of the Committee, appointed by the University Grants Commission, to suggest different combinations of subjects for structuring of courses relevant for the rural environment at the degree level was held on 11th December, 1974 in the office of the UGC. The following were present:

1. Professor Satish Chandra,  
Vice-Chairman  
University Grants Commission,  
New Delhi.
2. Professor J.B. Chitambar,  
Principal,  
Allahabad Agricultural Institute,  
Allahabad.
3. Professor H.P.C. Shetty,  
Director of Instruction,  
College of Fisheries,  
Mangalore.
4. Professor N.V. Subba Rao,  
Professor of Chemistry,  
Osmania University,  
Hyderabad.
5. Professor A.K.N. Reddy,  
Professor of Inorganic and  
Physical Chemistry,  
Indian Institute of Science,  
Bangalore.
6. Professor C.V. Ramakrishnan,  
Professor of Bio-Chemistry,  
M.S. University of Baroda,  
Baroda.
7. Shri R.K. Chhabra,  
Secretary,  
University Grants Commission,  
New Delhi.
8. Dr. T.N. Hajela,  
Deputy Secretary,  
University Grants Commission,  
New Delhi.

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Professor Rais Ahmed, Dr. N. Ananta Rao and Dr. Anil Satgopal could not attend the meeting.

(At the outset the Vice-Chairman, explained the scope of the work of the Committee. He said that the Committee was required to suggest different combinations of subjects for structuring of courses relevant to the needs of the community in the degree courses so that the students after the completion of the course can have potential for a job. He further said that in recent years a large number of rural institutions have come up which are offering courses which are irrelevant to the needs of the community and keeping in view the changing environment and the growing developmental needs of the country, these institutions cannot be left to work in isolation and, therefore, some sort of interaction have become necessary in order to make them more meaningful and useful to the society. It is in this context that restructuring of courses is required so that the training imparted may be in conformity with the needs of the community as a whole, and also in raising the employment potential of the young people. The new courses have to be essentially problem oriented).

The Vice-Chairman further said that while recognising the fact that the rural problems are different and special means are required to tackle them and the courses offered by rural institutions have to be more relevant to the needs of the rural community, it would be advisable that the overall courses offered in a university are restructured in such a way that the courses in urban and rural colleges may not be considerably different from each other and that both provide programmes which are linked to employment. As a first step, a restructuring of the courses at the degree level should be attempted. One of the existing courses may be a specialised course providing training in fields where the students after completion of the course can have potential for their job. This arrangement would have to be worked out by the university as a whole and need not be confined to colleges in rural areas. It could be a new stream which may run simultaneously with the existing one. The students after completion of this course should get a degree and not a diploma.

On the basis of the working paper prepared by the UGC office and after going through the list of combinations of subjects drawn from the syllabi of various rural institutes, agricultural universities and other institutions, the Committee was of the opinion that (i) while suggesting combinations of subjects, it would be essential to ensure that some element of practical training is introduced to make the course work oriented;

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(ii) that there should not be duplication, as far as possible, of courses given by the rural institutes/ agricultural universities; (iii) that the aim should be to improve the infra-structure of the rural and urban colleges. Since the product of these colleges would be absorbed in various government departments, agro-industries, various small scale-industries and agricultural and public health departments projects at 2nd or 3rd levels, this would also enhance opportunities for employment; (iv) that if these courses are found to be attractive and useful, the institutions concerned can consider starting evening short-term courses, post-higher secondary diploma as well as postgraduate diploma courses, so that this will also form a part of the continuing education programme for the working people in which the University Grants Commission is so much interested; (v) such restructuring of courses may be given effect, to start with in a few selected universities and colleges on a pilot scale.

The UGC may provide basic assistance in the form of grants for the purchase of equipment, setting up of workshops and clinical and chemical laboratories and for the purchase of books and appointing of skeleton necessary staff.

It may be helpful, if the visiting committees appointed by the Commission, for assessing development requirements of various universities for the fifth plan period discuss various programmes with the university authorities and identify six or seven universities, which initiate this programme.

The Committee also felt that for the success of these courses it is essential that (a) the universities recognise these courses for admission to postgraduate degrees (b) the Director-General of Health Services, Director-General of Indian Council of Agricultural Research and Director-General of CSIR recommend the degree obtained with these courses as the basic requirement for the employment of 2nd or 3rd level workers (para-medical, para-agricultural or para-engineering) for rural development work to be undertaken by them in the field of health, agriculture and industrial development.

By way of illustration, the Committee in the field of natural sciences, suggested the following combinations:-

- (i) Mathematics, Physics and Electronics/Applied Physics (Workshop Technology/Machine Shop Practice/Instrumentation).

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- (ii) Botany, Chemistry and Horticulture.
- (iii) Zoology, Chemistry and Fisheries.
- (iv) Botany/Zoology, Chemistry and Home Science.
- (v) Zoology/Chemistry and Applied Nutrition and Public Health.
- (vi) Micro-biology, Chemistry/Bio-chemistry and Applied Nutrition and Public Health.
- (vii) Micro-biology/Zoology, Botany & Applied Nutrition and Public Health.
- (viii) Botany/Zoology, Chemistry and Soil Science.
- (ix) Physics, Chemistry and Agro-chemicals including Fertilizers.
- (x) Botany, Chemistry and Agro-chemicals including Fertilizers.
- (xi) Zoology, Chemistry, and Dairy Science.
- (xii) Botany/Zoology, Chemistry and Plant Protection.
- (xiii) Biology, Chemistry and Plant Protection (where there is an integrated course in plant protection).

The Committee was of the view that these courses may be introduced in a few selected universities/colleges on a pilot basis and the Commission may provide the necessary basic grants for meeting capital expenditure and even recurring expenditure where the appointment of fresh staff is considered essential. The Committee, however, emphasised that before considering the proposals of universities/colleges for the introduction of these courses it would be advisable if the institutions concerned are requested to send a profile of three years programme so that the Commission may know their programme in detail.

The Committee held that if considered necessary some combinations of subjects may be worked out by the University Grants Commission Office in Social Sciences and Commerce Faculties. It was decided that the details

of the courses in the above combinations of subjects may be worked out by the following members:-

- |   |                            |                                  |
|---|----------------------------|----------------------------------|
| 1. Mathematics, Physics and Electronics.  | Ø<br>Ø<br>Ø                | By Prof. N.V. Subba Rao          |
| 2. Botany/Zoology, Chemistry and Home Science.  | Ø<br>Ø<br>Ø<br>Ø           |                                  |
| 3. Workshop Technology, Horticulture, Soil Science, Agro-chemicals, Dairy Science and Plant Protection. | Ø<br>Ø<br>Ø<br>Ø<br>Ø<br>Ø | By Dr. Anant Rao of the I.C.A.R. |
| 4. Fisheries  | Ø                          | By Professor HPC Shetty.         |
| 5. Applied Nutrition and Public Health, Micro-biology & Biochemistry.                                   | Ø<br>Ø<br>Ø<br>Ø           | By Professor C.V. Ramakrishnan.  |

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UNIVERSITY GRANTS COMMISSION

Meeting:  
Dated : 10th February, 1975  
Time : 10.00 A.M.  
Place : UGC Office

Item No.8: To receive the recommendations of the Expert Committee appointed by the University Grants Commission to work out the broad outlines and structure of courses relevant for the rural environment in the degree courses.

The following combinations of subjects in Faculties of Commerce and Social Sciences are suggested for consideration.

(A) Rural Oriented Courses:-

- (i) Economics, Commerce and Agricultural Marketing.
- (ii) Economics, Commerce and Farm Management.
- (iii) Economics, Commerce and Co-operative Management.
- (iv) Political Science, Economics and Community Development.
- (v) History, Political Science and Local Self Government.
- (vi) Economics/Political Science, Cultural Anthropology/Sociology of Community Life.
- ((vii) Economics, Political Science and Panchyati Raj.
- (viii) Economics, Commerce and Rural Industrialisation.
- (ix) Economics, Commerce and Rural Banking.

(B) Urban Oriented Courses:

- (i) Studies in Commerce subjects at the undergraduate level can be combined with subjects like Secretarial Practice, Office Management, Financial Management, Banking, Industrial Organisation, Organisation of Markets, Statistics, Operation of Industries, Cost Accountancy, Book Keeping etc. etc.

(ii) The following combinations are suggested by way of illustration in the Faculty of Social Sciences:-

- (a) Economics, Sociology and Social Work.
- (b) Economics, Sociology and Labour Welfare.
- (c) Economics, Sociology and Industrial Relations.
- (d) Economics, Sociology and Trade Unionism.
- (e) Economics, Commerce and Marketing.
- (f) Economics, Commerce and Home Economics.
- (g) Economics, Political Science and Panchyati Raj.
- (h) Economics, Political Science and Co-operative Management.
- (i) History, Sociology and Social Work.
- (j) Economics, Political Science and Community Development.
- (k) History, Economics and Community Life.
- (l) Economics, Political Science and Local Self Government.
- (m) Economics, Home Science/Cultural Anthropology or Sociology of Community Life/Economics, Political Science and Editing.
- (n) Economics, Home Science and Interior Decoration/Textile Designing/Furniture Designing/Fashion Designing.
- (o) Economics, Commerce, Advertising/Hospital Administration/Industrial Foremanship/Managerial Training/Personnel Management etc. etc.

CONFIDENTIAL

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UNIVERSITY GRANTS COMMISSION

Meeting: 10th Feb. 1975

Dated: .....

- Item No. 9 To consider the recommendation made by the Sub-Committee on COSIP about selection of colleges for participation in the programme and the guidelines for implementation of the programme recommended at the Conference of Principals of Colleges provisionally selected for participation in the programme.

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The University Grants Commission, at its meeting held on 28th May, 1973 (Item No.33) agreed to initiate a programme for improvement of instructions in humanities and social sciences subjects in the colleges at undergraduate level on the lines of College Science Improvement Programme. The Advisory Committee constituted by the Commission for initiating the programme met on 10th September, 1973 and the recommendations made by this Committee were considered by the Commission at its meeting held on 8th July, 1974 (Item No.10). The Commission generally accepted the suggestions made with regard to the implementation of COSIP. The Commission was of the view that the programme should cover all departments in humanities and social sciences of a college selected for participation in the programme and assistance to such colleges may be provided upto a ceiling of Rs.3 lakhs per college over a period of three years. In selecting the colleges, an attempt may be made to select at least one college in each district. The Commission further desired that a beginning may be made in a few selected colleges during 1974-75.

A Standing Committee to advise the Commission on implementation of COSIP was constituted (Annexure-I). The Committee recommended that the proposals from colleges which are already participating in COSIP and have departments of Humanities and Social Sciences may be invited in the first instance and that the Vice-Chancellors may be requested to indicate the names of few other guidelines based on the recommendations of the Advisory Committee (Annexure-II) were sent to the Universities and Colleges, which in their view, have took Arts departments and should be invited to send their proposals under this programme.

P.T.O. 10/2/75

Excluding purely science colleges proposals were invited from all COSIP colleges. Proposals from 72 colleges were received and these were considered by a Sub-Committee of the Standing Committee on COSIP consisting of Dr. Tapas Majumdar, Dr. Yogendra Singh and Dr. W.S. Rajpal Professor R.S. Sharma, Dr. C.D.S. Devanathan, Dr. J.N. Kapoor and Professor D.J. Cowda were invited but could not attend the meetings. The Sub-Committee at its meeting held on 19th September, 1974 suggested that the selection of colleges under COSIP may be made keeping in view of the quality of teaching staff, number of books and journals in the college libraries, staff student ratio, university results in the various courses and quality of programmes. The Committee met again on 1st October, 1974. The Committee considered the proposals and suggested that 43 colleges may be selected in the first instance under this programme. The names of these colleges are given at (Annexure-III). The method adopted for the selection of colleges is indicated at Annexure-IV.

While going through the individual proposal sent by the colleges, it was felt that it would be useful to have in the first instance, a Conference of the Principals of Colleges which have been recommended by the committee for participation in COSIP to consider some common problems and issues. The Principals Conference was held on 3rd and 4th December, 1974. The guidelines recommended at the Conference are given at Annexure-V.

It was agreed at the Conference that the proposals sent by the colleges would be revised by them in the light of the guidelines recommended at the Conference. These proposals are likely to be received within a fortnight or so.

The items for which assistance could be provided to the colleges for implementing the COSIP are suggested below:

- i) Appointment of part-time staff to undertake teaching, tutorials and seminar work. Postgraduate and research student who are not receiving any stipend or scholarship may generally be preferred for this assignment. The rate of remuneration may vary from Rs.150/-p.m. to Rs.300/-p.m. depending on the quantum of work assigned to a person.
- ii) Audio-Visual aids for teaching.

- iii) Stationery duplicating equipment and secretarial assistance for typing and duplicating work.
- iv) Essential books and journals which are not available to the teachers students in the library.
- v) Remuneration to students/staff for attending to library work in the extended hours.
- vi) Short Surveys and field work in nearby areas and agencies related to the courses prescribed in the syllabus.
- vii) Guest lectures.
- viii) Remuneration for translating articles published in various research journals into the regional languages for the benefit of the students.

Expenditure on construction of buildings, furniture payment of allowance to the teaching or secretarial staff of the colleges, purchase of typewriters may not be covered under COUSIP.

The proposals of the 43 colleges selected provisionally for participation in the COUSIP will be processed after the Commission has considered the guidelines proposed by the Principals.

The matter is placed before the Commission for consideration.

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COUSIP



Standing Advisory Committee on College Humanities  
and Social Sciences Improvement Programme.

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1. Dr. Chandran D.S. Devanesan  
Vice-Chancellor  
North Eastern Hill University  
Shillong.
2. Professor D. J. Gowda  
Vice-Chancellor  
Mysore University  
Mysore.
3. Dr. J. N. Kapoor  
Vice-Chancellor  
Meerut University  
Meerut.
4. Dr. R. K. Das Gupta  
Professor of Modern Indian Languages  
University of Delhi  
Delhi.
5. Dr. Yogendra Singh  
Professor of Sociology  
Jawaharlal Nehru University  
New Mehrauli Road  
New Delhi.
6. Professor Tapas Majumdar  
Jawaharlal Nehru University  
New Delhi.
7. Professor R. S. Sharma  
Professor of History  
University of Delhi  
Delhi.
8. Dr. Raj Fal  
Principal  
St. Stephen's College  
Delhi.

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9. Fr. L. Ferreira  
Principal  
St. Xavier's College  
Bombay.
  
10. Mrs. R.V. Somesekhar  
Principal  
Women Christian College  
Madras-6.
  
11. Swami Munuhshananda  
Principal  
Rama Krishna Mission  
Residential College  
Narendrapur  
24 Parganas  
Calcutta.

UNIVERSITY GRANTS COMMISSION

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College Humanities & Social Sciences Improvement Programme (COHSIP).

1. Purpose: The aim of the College Humanities and Social Sciences Improvement Programme is to strengthen the teaching of the humanities and social sciences at undergraduate level in the colleges and to provide ample opportunities to the undergraduate students to develop their aptitude and interest in the study of the subjects of their choice.

2. Eligibility and Selecting of Colleges: The Colleges approved under the UGC Act having provision for undergraduate teaching in the humanities and social sciences are eligible for participation in the COHSIP. The proposals for participation in the programme may be sent by a College through the University in the prescribed form which may be obtained from the University or the Commission's office for consideration by the University Grants Commission. In case two or more colleges situated in the same city/town wish to introduce the programme jointly by pooling their resources and facilities already available to them, they could formulate and send a joint proposal for consideration by the Commission. Selection of Colleges for participation in the programme will be made by the University Grants Commission.

3. An Illustrative list of activities: Programmes under the scheme may include activities for improving the teaching of Arts subjects at undergraduate level in the colleges. The aim should be to prepare a student for higher studies and research in the field of his choice. The first and foremost task should be to improve the quality of teaching with a view to making it effective and useful. The following activities could be undertaken to achieve this objective.

(a) The courses to be covered during the session may be divided in two or three terms. The programme of lectures to be delivered during a term may be planned by the teacher at the beginning of each term. The list of topics on which lectures are to be delivered and a summary of each lecture including brief notes on each topic to be covered in a lecture, may be cyclostyled and circulated well in advance to the students. These notes may be assessed periodically by the experts and notes of good quality may be published as text material for use by the other colleges.

(b) Class lectures should necessarily be followed by tutorials or preceptorials. In case it is found that it would be too expensive to introduce tutorials in some subjects, seminars may be regularly organised in that subject once in a week or fortnight and students should be required to present papers in these seminars to be followed by discussion. Each student should prepare and present at least one long essay or paper in one term. Number of students in a seminar may be kept flexible and may vary from subject to subject and .....2/-

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institution to institution depending upon the physical facilities available in the college but whatever number is fixed for participation in a seminar, its effectiveness in improving the understanding of the students in the subject should be properly ensured.

(c) The contribution made by each student in the discussions in the seminars/tutorials should be continuously assessed and evaluated by the teacher. The progress of the students be reviewed periodically on the basis of credits acquired by him and remedial measures be taken to improve the competence of the students who are lagging behind.

(d) Post-graduate students and research scholars could be involved in teaching at under-graduate level. Possibility of enlisting the services of meritorious post-graduate students research scholars on a part-time basis for tutorial and seminar work and also in some cases for lecture work should be explored in each college.

(e) Inter-departmental lectures may be organised regularly in the college on the topics which are of common interest to several disciplines. These lectures could be given by the faculty members or by visiting teachers. Regular programme of such lectures may be planned at the beginning of each term. These lectures could be organised under the auspices of the various academic and cultural associations as part of their normal programmes.

2. With a view to giving some practical training to the students programmes may be organised in the college for taking groups of students frequently out of the college in the town or adjoining villages to enable them to study for themselves the problems which are related to their disciplines. Field study, practical work or survey work etc. could be incorporated in each subject as part of normal teaching. Such programmes would not only help in developing the thinking and analytical capabilities of the students and making the teaching interesting and meaningful, but would also help in creating an awareness among the student of the social and local problems and in bringing the institution closer to the community around it.

3. Audio-visual aids like lingua-phone, epediascope, projectors etc., may be used for strengthening teaching work wherever necessary.

4. Teachers and students may be induced to read books and journals. and with a view to improving their reading habits, the following steps could be taken :

(a) Books, journals and reading material needed for enrichment of studies and teaching may be procured.

(b) Teachers may take initiative and special interest in inculcating reading habits among the students by providing them regularly, annotated bibliography on each topic indicating the portions and chapters which are specifically related to the concerned topic. The department should maintain a complete record

of such bibliographical notes circulated to the students for assessment of the work of the teachers.

(c) Every student may be induced to read at least one or two standard text books in a year on each subject of his study.

(d) Both teachers and students should be encouraged to use more frequently reference materials, dictionaries and encyclopaedia.

5. With a view to improving the expression and writing capabilities of the students, remedial teaching should be regularly organised in each subject specially in the languages.

6. Assistance from the Commission: The Commission's assistance to a college under this programme would be available to the extent of Rs.3 lakhs for a period of three years. The grant would be available for appointment of additional teaching staff on part-time basis, purchase of books, journals and reading material, equipment and audio-visual aids needed for strengthening the teaching and other miscellaneous expenses. Funds would not be available for instituting any scholarship or to meet or improve the salaries or to provide any honoraria etc. to the existing members of the teaching staff or to meet capital cost of the existing commitments of the institutions. The assistance would be available on hundred percent basis; but it is expected that each college will be prepared to make available within the limits of existing resources some funds for achieving the objectives of the COHSIP both during the period of UGC assistance and in the years there after.

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Annexure III to Item No.

Colleges recommended for participation in the UOFSIP

Sri Venkateswara University

1. Sri Padmavathi Women's College  
Tirupati.

Dibrugarh University

2. Sibsagar College  
Joysagar.

Bhagalpur University

3. T.N.B. College,  
Bhagalpur.

Magadh University

4. A.N.S. College,  
Barh (Patna)

Gujarat University

5. St. Xavier's College  
Ahmedabad.

Sardar Patel University

6. Nalini & Arvind Arts College  
Vallabh Vidyanagar.

Calicut University

7. St. Thomas College,  
Trichur.

8. The Guruvayurappan College  
Kozikode.

Kerala University

9. University College  
Trivandrum.

10. Sree Narayana College  
Quilon.

11. Union Christian College  
Alwaye.

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Bombay University

12. Wilson College, Bombay
13. Ram Narain Ruia College, Bombay.
14. Sophia College, Bombay

Poona University

15. Ahmednagar College, Ahmednagar.
16. Mansraj Pragji Thackersey College, Nasik.
17. Fergusson College, Poona.
18. Parashurambhan College, Poona.
19. N.W. College, Poona.

Shivaji University

20. Raja Ram College, Kolhapur.

Bangalore University

21. Mount Carmel College, Bangalore.

Mysore University

22. St. Agnes College, Mangalore.

Utkal University

23. Ravenshaw College, Cuttack.

Guru Nanak University

24. Khalsa College, Amritsar.
25. D.A.V. College, Jullundur.

Rajasthan University

26. Government College, Ajmer.

Madras University

27. Vivekananda College, Madras.
28. St. Joseph's College, Tiruchrapalli.
29. Presidency College, Madras.
30. Seetha Lakshmi Rameswami College,  
Tiruchrapalli.
31. Loyala College, Madras.

Agra University

32. D.S.B. Govt. College, Nainital.
33. Agra College, Agra.

Allahabad University

34. Ewing Christian College,  
Allahabad.

Kanpur University

35. P.P.N. College, Kanpur
36. Acharya Narendradev Mahapalika Mahavidyalaya,  
Kanpur.

Meerut University

37. D.A.V. College, Muzaffarnagar
38. S.D. College, Muzaffarnagar
39. Meerut College, Meerut.

Calcutta University

40. Vidya Sagar College, Calcutta.
41. The Rama Krishna Mission Vidya Mandir, Belurmath.
42. Rama Krishna Mission Residential College,  
24 Parganas.

Dibrugarh University

43. Jagannath Barooah College, Jorhat.



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RATING OF COLLEGES FOR COHSIP

The Sub-Committee of the Committee appointed by the University Grants Commission to recommend colleges for assistance under the COHSIP Programme met on 19th September 1974 in the UGC Office. It was decided that the UGC Office may make a preliminary scrutiny of the colleges to be covered under the COHSIP in the light of the following criteria:-

- 1) Quality of staff
- 2) Number of books and journals
- 3) Staff-Student Ratio
- 4) University results at the B.A. final level
- 5) Quality of programmes.

Rating of the colleges on a 5-point scale in respect of each of the following items is given below:-

1) Staff:

- (a) Proportion of Ph.Ds.
- (b) Proportion of 1st class M.As. on the staff

2) Books & Journals:

3) Staff-Student Ratio:

4) Examination results at the final B.A. level

The key used in rating the colleges in respect of each of the items mentioned above is given below:

(1) Examination Results:

	<u>Points</u>
100 to 90%	5
89 to 75%	4
74 to 60%	3
59 to 50%	2
Below 50%	1

2) Staff:

Points

(a) Ph.Ds. Percentage of the staff (Cumulative for all departments)

	33% and above	5
Between	33% and 25%	4
"	25% and 20%	3
"	20% and 10%	2
"	10% and Nil	1
	Nil	0

b) First-Class M.As.: Proportion of the Total: (Cumulative for all departments)

(40)

	66% and above	5
Between	60% and 50%	4
"	50% and 40%	3
"	40% and 33%	2
"	30% and 25%	1
	Below 25%	0

3) Staff-Student Ratio:

It was felt that the staff-student ration in a college is the key to the success of any qualitative improvement programmes in an institution and more so in the case of the COMSIP. In view of this, the weightage given to the staff-student ratio is double that of the weightage given to other items:

		<u>Points</u>
	1.20 and better	10
Between	1.20 and 1.30	8
"	1.30 and 1.40	6
"	1.40 and 1.60	4
"	1.60 and 1.80	2
	1.80 and below	0

4) Books and Journals:

(a) Books

	<u>No. of Books</u>	<u>Points</u>
	50,000 and above	5
Between	40,000 and 50,000	4
"	25,000 and 40,000	3
"	10,000 and 25,000	2
"	5,000 and 10,000	1

(b) Journals

	<u>No. of Journals</u>	<u>Points</u>
	500 to 400	5
	400 to 300	4
	300 to 200	3
	200 to 100	2
	100 to 50	1

Books and journals relating to-all departments in the Humanities and Social Sciences in the library of the colleges have been pooled together for the purpose of calculating the rating in respect of these two items.

If we accept colleges with a rating of 15 and above, we shall have 42 colleges ticked-marked in the statement attached, whose state-wise distribution is given below:-

<u>State</u>	<u>Proposals received</u>	<u>Proposals recommended</u>
Anhra	7	1
Assam and Meghalaya	3	2
Bihar	3	2
Gujarat	2	2
Kerala	6	5
Maharashtra	12	8
Mysore	5	2
Orissa	1	1
Panjab	2	2
Rajasthan	1	1
Tamil nadu	10	5
Uttar Pralesh	14	8
West Bengal	4	3
	70	42

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Recommendations of the Conference of Principals of Colleges selected provisionally for participation in the College Humanities and Social Sciences Improvement Programme held on 3-4 December, 1974 in the UGC office.

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1. Objectives of the Programme:

The purpose of the College Humanities and Social Sciences Improvement Programme is to strengthen and enrich the teaching, learning and examination processes in the Humanities and Social Sciences at the undergraduate level in the colleges and to provide opportunities for change and innovations within the frame work of the existing curriculum. Enrichment of the curriculum and experimentation should ultimately provide a frame work for modernising and up-dating the syllabus in cooperation with the concerned academic and other concerned bodies of the universities. This programme together with the COSIP should eventually help the colleges towards an autonomous status within the university system in the country.

2. Maximum utilisation of existing resources:

It was agreed that no worthwhile quality programme can be implemented in the colleges unless a deliberate and concerted effort is made to make the maximum and best use of available resources. Particular mention was made in this connection of the library facilities which are central to the improvement of teaching and learning in the Humanities and social sciences. The library hours should be extended to at least 12 hours a day. An attempt should be made to see that books and journals already available in the library are used to the best advantage both by teachers and by students.

It may be necessary to provide some assistance to the colleges to employ part-time staff, especially students, to attend to the library work during the extended hours. This will not, however, mean any additional professional staff for the college library. In general, overtime allowance to the library staff should be avoided and extensive use should be made of the students' help in this connection.

It should be possible for all the colleges to so devise the college programme that maximum use is made of the space already available in the colleges. This is particularly important because assistance will not be

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available under the COHSIP for construction of buildings. It was also suggested that staggering of the time-table could provide opportunities for better and more intense use of available space.

### 3. Optimum use of common facilities:

There was consensus that physical and material facilities already available in the colleges should be used by all the departments of the colleges. Particular mention was made of the audio-visual equipment and duplicating facilities which exist in some departments of the colleges. It was agreed that no department should have exclusive ownership on any item of equipment made available in the colleges. In order to maximise the use of existing materials and facilities, it was agreed that all equipment should be centralised and for this it may be necessary to provide some support to the colleges to organise service to individual departments according to their needs. Students could again be used here for part-time assistance. It was felt that the colleges should try to train 4 or 5 teachers in the operation of audio-visual aids. This training could be arranged locally and within the expertise already available in the science departments and it should not take long. It might also be necessary to provide some support to the colleges for furnishing the audio-visual room which will be organised centrally.

### 4. Tutorials and Seminars:

It was recognised that tutorials and seminars, to be meaningful and productive, will have to be organised on an institutional basis. Every student should know in advance the number of tutorials he has to attend in a course. The student should also know the assessment of his work in the tutorial and this assessment, wherever possible, should form a part of the total assessment of the student. It was recognised that some universities do not have any provision for internal assessment. The Principals, however, agreed that it would be a good idea if all the colleges could institute a certificate of their own which would include an account of cumulative records of the students in various subjects. This certificate should be issued to every student at the time of his leaving the college.

It was agreed that the programme of teaching in every course should be planned and announced to the students, at the beginning of each term. The list of topics to be covered either by lectures or by tutorials may be indicated and synopsis of each lecture, including comprehensive and graded bibliographical notes may be

cyclostyled and circulated amongst the students well in advance of the actual teaching work. These notes will have to be revised periodically. Adequate clerical and stenographic assistance will have to be provided to the teachers for this purpose. Assistance in this behalf could be provided by students, who should be paid for the work done by them.

Tutorial work should not necessarily mean more teaching periods. Lecture periods could be reduced with advantage and tutorial period could take their place in the general scheme of teaching.

Teacher-pupil ratio being unsatisfactory in most of the colleges, it may be necessary to employ additional part-time staff to cope with the tutorial work. For this purpose also postgraduate and research students in the colleges may be employed and if the college does not have such students on its own rolls, postgraduate and research scholars from other institutions and the neighbouring university could be invited to help in the tutorial work of the college on the basis of a suitable honorarium. The consensus was that honorarium to existing teachers for any work under the COHSIP should be avoided at all costs.

There was a general feeling that the language equipment of students, particularly in English and sometimes even in regional languages, was rather unsatisfactory. Special provision of remedial teaching may have to be undertaken to enable the students not only to improve their capacity for comprehension and expression in the language concerned, but also in understanding courses in other subjects.

It was felt that the teachers in the colleges do not always have an idea of what the tutorial is and what its objectives should be. A suggestion was made that it would be advantageous to have a workshop on the method of operating the tutorial system. This matter may be examined in depth by the UGC.

5. Practical orientation to the courses:

It was agreed that even within the existing system and the existing courses, it should be possible to give practical orientation to some courses and to at least some parts of some courses. Various possibilities were mentioned particularly in Psychology, Economics and Political Science. The general agreement was that the teachers should prepare materials for practical

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orientation courses, teach them accordingly and help students to better comprehend their courses to ultimately provide the groundwork for reforming the university syllabus.

While short surveys in the neighbourhood would be all-right, it may not be necessary to undertake long-term projects which may involve extensive touring and may have only a remote bearing on the existing curriculum. Limited field work in some subjects may be necessary, but it should not be extended to courses where it is not so essential; e.g. extended excursions and long tours in the case of disciplines like languages, philosophy, etc.

#### 6. Internal Assessment:

It was recognised that the importance which a university attaches to internal assessment will ultimately determine the success of the internal assessment and tutorial system. But even so, the Principals agreed that internal assessment in connection with the certificates to be issued by the colleges should stimulate the students and teachers to do better work. For internal assessment it will be necessary to employ a variety of questions e.g. short answer questions, multiple choice questions, true-false questions and short examinations without previous warning. It should be possible for every department to prepare a question bank in each subject and this could be supplemented and refined by cross references with the question banks prepared by other colleges/universities under this scheme. It may be possible ultimately to finalise a question bank in a given subject and bring it out for the benefit of students of all colleges.

#### 7. Improvement of reading habits:

The primacy of reading, writing and the audio-visual aids was recognised in the teaching of the humanities and social sciences. Special efforts will have to be made to improve the reading habits of students. For this purpose it may be necessary to provide to the students (a) notes on bibliographies; (b) duplicated periodical literature and (c) regional language translations of materials that appear in English periodicals. The teachers should arrange seminars where their own students together with postgraduate and research scholars in and around the college could periodically review new books in the subject.

All the students should be oriented to the college library and instructed in the use of the library services.

(4)

It is also important that the students know right from the beginning how to locate reading materials in the library, how to consult dictionaries and Encyclopaedias and how to collect references for topics of their tutorials.

8. Identification of priorities:

Each college will have to identify its own priorities in the light of the guidelines mentioned above. The programme should have flexibility within the general frame work recommended by the Principals. For instance, while it may be necessary for some colleges to invite guest lecturers for short periods, other colleges may find it more profitable to invite ~~guest~~ teachers for extended periods, say 2 to 3 weeks and pay them travelling allowance and hospitality. Similarly, some colleges may like to add to their staff, while others may have to strengthen their library and audio-visual departments.

The college Principals agreed to send revised programmes in the light of the guidelines accepted by them.

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UNIVERSITY GRANTS COMMISSION

Meeting:

Dated: 10th February, 1975

Item No. 10: To consider the recommendations of the four workshops held on a zonal basis to work out details of action programmes on urgent academic issues viz. (a) Autonomous Colleges (b) Examination Reforms (c) Development of Postgraduate Education in colleges for implementation during the 5th plan.

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In pursuance of the Commission's resolution of 10th December, 1973 four workshops on a zonal basis to work out details of action programmes on urgent academic issues for implementation during the 5th plan period were organised. The topics were (a) Autonomous Colleges, (b) Examination Reforms (c) Development of Postgraduate Education. The main objectives of the workshops were:-

- (a) to interact with a representative group of academic community in every region with a view to dissemination of the ideas, plans and programmes of the University Grants Commission in regard to the above three subjects;
- (b) to consider the problems and difficulties that will have to be taken care of in implementation of the above programmes; and
- (c) to work out a plan of action on these matters.

The first workshop for the Southern Zone was held at Madurai University from 25-27 July, 1974. The second workshop for the Western Zone was held at Gujarat University, Ahmedabad from 3-5th August, 1974. The third workshop for Northern region was held at Punjab University, Chandigarh from 16-18th September, 1974. And the fourth workshop for the Eastern region was held at Utkal University, Bhubaneswar from 26-28 November, 1974. The recommendations of the four workshops have been summarised in a note attached as Annexure. The recommendations of the workshops are:-

Autonomous Colleges

- (i) Colleges which wish to become autonomous should

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undertake a thorough self-study programme in order to identify their strength and weaknesses and determine the direction in which they would like to develop under autonomy. This would enable them to identify the areas and programmes in which they would want to be innovative, and the facilities and financial assistance which they would need for their development.

- (ii) Co-operative teaching between autonomous colleges and the other colleges as well as the cooperation among autonomous colleges inter-se in a region would be useful.
- (iii) Cooperation between the parent University, the autonomous colleges and University Grants Commission is essential for the success of the programme. A joint committee of the university and University Grants Commission should review the performance of the autonomous colleges every year, say for a period of three years and thereafter every three years. A Committee of University Grants Commission may assess the colleges recommended for autonomy by the universities, before assistance is rendered.
- (iv) The faculty in an autonomous colleges should be enabled to have sabbatical leave and opportunities of in-service training for their own quality improvement. Private tuitions by the faculty should not be permitted. On the other hand remedial programmes for academically weak students should be instituted in autonomous colleges as a matter of high priority. Commitment to social justice and not to elitism should be the motive power behind autonomous colleges.
- (v) The process of assessment of students should be continuous and the students in turn may also anonymously conduct evaluation of the teachers with a view to assessing the efficiency of teachers in the teaching-testing-learning processes. Such a feed-back mechanism is necessary to identify weaknesses and deficiencies in instruction so that continuous improvement could be effected.

#### Examination Reforms:

- (a) Internal Assessment

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- (i) Internal assessment should be properly diversified so that thorough is the writing ability of the student, his capacity to do field work or project work or laboratory practicals, his participation in seminars, discussions, tutorials etc. and his grasp of the subject through viva-voce is tested.
- (ii) Internal assessment may be tried out, at least to begin with, first in the unitary universities, well-established postgraduate departments and autonomous colleges before it is extended to the affiliating universities or to the undergraduate stage of education.
- (iii) Internal assessment is not meant to enforce discipline. Its purpose is entirely academic to encourage students to apply themselves assiduously to their studies and to enable teachers to realise the effectiveness of the teaching learning process.

(b) Question Banks

- (i) Question Banks can be helpful in the context of the revision and modernisation of courses of study in the different humanities, social science and science subjects. In fact, some of the panels in sciences have already undertaken exercises towards modernising the syllabus as well as drawing up a list of question relating to the syllabus and its objectives. One has, therefore, to look at the question Bank as an important means of bringing about necessary changes in the syllabus and close correspondence between the syllabus, its objectives and the question papers.
- (ii) The concept of question bank is particularly relevant in the context of internal assessment in the affiliating type of universities for with the availability of question banks, it becomes possible to obtain uniformity of standards when internal assessment is introduced or even when autonomy is granted to selected colleges.

(c) Grading:

- (i) The suggestion to have a grade system instead of the present marking system is based on a number of important considerations. Firstly, the finer discriminations that we make in marking are not justified because examination marks lack reliability. Secondly, the lack of reliability of marks would mean that cut off points that are used for the award of divisions and for declaring pass/fail are purely arbitrary. Another important consideration is that in combining the marks in two subjects or papers, there is hardly any internal coherence. This leads to defective evaluation and also responsible for a great deal of irrationality in the choice of subjects/papers and in regard to the time given by a student to the study of particular subjects/papers.
- (ii) The grading system was supported by the Madurai workshop but could not be discussed at Ahmedabad in detail. The Chandigarh workshop was of the view that grading should be adopted uniformly by all the universities.
- (iii) The main advantage of the grading system is that it will reduce the element of subjectivity and remove irrationality in the choice of subjects/papers.

Postgraduate Education

- (i) The Madurai Workshop recommended that new postgraduate centres may be started at the rate of one centre for about 10 colleges. The Ahmedabad Workshop was of the view that there should be a postgraduate centre for every three Postgraduate Colleges or at least one in every district. The Bhubaneswar workshop, however, was not in favour of specifying the number of Postgraduate Centres in relation to the number of Postgraduate Colleges.

- (ii) Admission to postgraduate colleges should be on a selective basis. The Jhulaneshwar workshop further recommended that in the context of planned development, facilities for postgraduate education be made available to students who have graduated in the honours course with 50 per cent marks (B-Grade), this requirement being adjusted according to subjects.
- (iii) The departments should be brought under a number of divisions such as Life Science Division, Social Science Division, Physical Science Division, Humanities Division etc. The postgraduate students should be given the option to select their courses offered at different levels in the various departments of the Divisions. Such restructuring of the departments and courses will promote inter-departmental collaboration in teaching and research, and multi-disciplinary approach.
- (iv) Post-degree/diploma/certificate courses with vocational bias should be started within universities and postgraduate centres.
- (v) Work experience should be incorporated as a necessary ingredient of education and for this collaboration with agencies like ICAR, ICAR and CSIR etc. may be enlisted.
- (vi) Functional courses relevant to the immediate needs of the community may be introduced at postgraduate level. The duration of such courses may vary according to the needs of the courses, and these may lead to the award of a degree/diploma/certificate. The Universities/Colleges may keep in constant touch with industry/agriculture and provide courses or project work to meet regional and national needs. Courses suitable for self-employment may also be offered.
- (vii) Project work or dissertation should be an integral part of the postgraduate courses and should not be in lieu of papers.

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- (viii) The Ph.D. programme should be intensified in both the university departments and college postgraduate departments and one year pre-Ph.D. course be offered to ensure adequate training in Research Methodology etc.

The matter is placed before the Commission for consideration.

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ZONAL WORKSHOPS

The University Grants Commission organised four zonal workshops to discuss problems relating to (1) Autonomous colleges (2) Examination Reform and (3) Postgraduate education. The workshops were held at Madurai from July 25 to 27, 1974 at Ahmedabad from August 3 to 5, 1974, at Chandigarh from September 16 to 18, 1974 and at Bhubaneswar from November 26 to 28, 1974. The recommendations of the workshops are presented below in a consolidated form.

I. AUTONOMOUS COLLEGES

1. The objective of establishing autonomous colleges is to give scope for innovation and experimentation in higher education by carefully selected colleges which are noted for their past record and performance, quality of staff and potential for growth. In the present affiliating set up, quality of teaching often tend to average standards. The good colleges have, therefore, to be given the freedom to introduce courses and curricula which are creative purposeful and relevant to needs of society.

2. Autonomous colleges should not become exclusive institutions catering to the elite sections of the society; on the contrary it should attract and retain, through reservation of seats, students from the deprived sections of society such as scheduled castes/scheduled tribes, first generation learners, etc. The autonomous colleges should institute remedial programmes for the backward students.

3. The autonomous college will have the freedom to devise its own courses, conduct its own examinations and tests and make its own admissions and appointments. This, however, does not mean freedom to the management to manage the college in any way it likes.

4. The following broad guidelines should be taken into consideration in declaring a college to be autonomous:-

- (a) A long record of excellent performance.
- (b) Adequate facilities, libraries, laboratories and staff.
- (c) Academically viable and administratively feasible student population.
- (d) Teacher student ratio; for postgraduate departments 1 to 10 and undergraduate departments 1 to 15.

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5. When colleges are ready and willing to accept autonomy, the university should take the initiative and (a) recommend them to the University Grants Commission for autonomy; (b) amend the university regulations to include autonomous colleges within its jurisdiction and (c) request the State Government to amend its university Act suitably to include autonomous colleges.
6. A college can become autonomous if the university confers autonomy on the college but UGC's concurrence and financial assistance of a marginal nature may be made available on the basis of an assessment of the programmes of the college by an Expert Committee of the University Grants Commission. The existing financial problems of the colleges should not be linked with U.G.C. assistance to selected autonomous colleges, but the University Grants Commission may use its good-will with the State Governments to liberalise the grant-in-aid codes.
7. The governing bodies of the college should include, in addition the nominees of the management, staff and student representatives, a representative each from the University and the State Government (Education Department). The Chandigarh workshop suggested that the representatives of the University and the Government should be the nominees of the Vice-Chancellors and the Chancellor respectively. The Bhubaneswar workshop further suggested that the University representative be nominated by the Vice-Chancellor from amongst the members of the Senate/Syndicate.
8. University departments should also have an autonomous status with an independent budget for approved items.
9. If a government college is to become autonomous (a) it should have a properly constituted governing board consisting of the Director of Collegiate Education, the Principal and one or two Senior Professors of the College and University representative; (b) normally the faculty should not be transferred from the College; and (c) the headship of the Institution should be by rotation.
10. It is also recommended that the Appointments Committee, Academic Council and Boards of Studies should have professors from the University as full members.



There is need for a separate Committee for appointments which will look into the qualifications and experience of faculty to be appointed. The appointments Committee should consist of the Principal (Convener), the Head of the Department concerned, a nominee of the governing body, and three experts in the subject concerned, two of whom shall be nominated by the Vice-Chancellor and one by the Chancellor. Such a mechanism will ensure selection of competent staff, so essential in ful-filling the objectives of improvement of standards of education as envisaged for autonomous colleges.

11. Colleges which wish to become autonomous should undertake a thorough self-study programme in order to identify their strength and weaknesses and determine the direction in which they would like to develop under autonomy. This would enable them to identify the areas in which they would want to be innovative, and the facilities and financial assistance which they would need for their development.

12. There are certain areas which will involve additional expenditure e.g. staff retraining, part-time specialised staff, improvement of physical facilities and modernisation and improvement of laboratories and library facilities. The assistance of the University Grants Commission will be marginal but the resources can be augmented by State Government and the Management. The colleges, on their part, could take up certain projects in collaboration with local industrial establishments, which would enable them to raise further resources.

13. Reservation of seats for scheduled castes/tribes and other backward sections may be made on the pattern prevalent in each State and special attention should be bestowed to raising their standards through remedial courses.

14. Co-operative teaching between autonomous colleges and the other colleges as well as the cooperation among autonomous colleges interest in a region would be useful.

15. In all these efforts, cooperation between the parent University, the autonomous colleges and University Grants Commission is essential for the success of the programme. A joint committee of the university and U.G.C. should review the performance of the autonomous colleges every year say for a period of three years and thereafter every three years.

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16. The faculty in an autonomous college should be enabled to have sabbatical leave and opportunities of in-service training for their own quality improvement. Private tuitions by the faculty should not be permitted.
17. Student participation in the academic council and board of studies department-wise should be ensured through university statutes.
18. The process of assessment of students should be continuous and the students in turn may also anonymously conduct evaluation of the teachers with a view to assessing the efficiency of teachers in the teaching-testing-learning processes.
19. The Bhubaneswar workshop recommended that in the Degree/Certificate given to the student, the name of the autonomous college should be mentioned.
20. In no case, the autonomous colleges should have shift systems.
21. Alternatively, a certain number of colleges located in a particular area may be organised into groups or clusters. Representatives of staff and student from them with university experts may form Zonal Academic Councils. Such Councils may be given the authority to frame syllabus, rules for conduct of examination and actually enjoy autonomy in such academic matters. They may by cooperation also conduct postgraduate education.

## II. EXAMINATION REFORM

### (a) Internal Assessment

1. The introduction of internal assessment in contrast to the present point-in-time examination is an important step towards the integration of teaching, learning and examinations.
2. At present the performance of the students in University examination is judged entirely on the basis of end-of course examinations. Such examinations are usually of the 'essay' type which test the ability of the student to express his ideas fully and freely and his capacity to recall facts and information leading to regurgitation of knowledge. The introduction of internal assessment will enable universities to test other skills and objectives like the application of knowledge, conceptualization,

analysis, synthesis, capacity to do field or project work or laboratory practical and participation in seminar discussions, tutorials etc. etc.

3. There is need to clarify the meaning of the term 'Internal Assessment'. Since it does not merely indicate the replacement of external examination by assessment by a teacher who teaches the course, it really means that evaluation should become a continuous process.

4. Internal assessment should be properly diversified so that through it we can test the writing ability of the student, his capacity to do field work or project work or laboratory practicals, his participation in seminars, discussions, tutorials, etc. and his grasp of the subject through vivo-voce.

5. Internal assessment may be tried out, at least to begin with, first in the unitary universities, well-established postgraduate departments and autonomous colleges before it is extended to the affiliating universities or to the undergraduate stage of education.

6. It should be clearly understood that internal assessment is not meant to enforce discipline. Its purpose is entirely academic to encourage students to apply themselves assiduously to their studies and to enable teachers to realise the effectiveness of the teaching learning process.

7. It is necessary that the marks or grades obtained by the students are made known to them immediately after evaluation is completed.

8. Another important feature that should be built into the scheme is that of correcting the answer scripts and discussing these in some detail in the tutorials or individually so that internal tests serve as a feed-back.

9. Candidates who wish to represent against the grade awarded to them should be given an opportunity to do so and the matter considered by a scrutiny Committee. Re-evaluation may be done, if necessary.

10. The records of internal assessment should be maintained so that a proper scrutiny or statistical analysis can be carried out.

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11. The marks of internal and external examinations should be kept separate for they measure different abilities and combining the two is scientifically by unsound.
12. The marks in practicals in science would also be shown separately on the certificate or degree awarded to the student.
13. Divisions/grades should also be indicated separately for external examinations, internal assessment, laboratory practicals.
14. In so far as laboratory practicals are concerned, assessment should be a continuous process and there is no need for end-of-course practical examinations.
15. Teachers should not be allowed to take up private tuitions otherwise the scheme of internal assessment will not work in view of vested interests.
16. Internal assessment should be as objective as possible.
17. The introduction of internal assessment will, irrespective of the methods employed, increase the work-load of teachers. Teachers have, therefore, to be prepared to shoulder this responsibility.

It should, however, be possible in some of the teaching departments to utilise the services of junior and senior research fellows for evaluating the performance of the students. This would also give the research fellows some sense of involvement in the teaching and evaluation process of the department.

18. It may be noted that some affiliating universities have also introduced the internal assessment system. This is welcome but the university concerned should ensure that the marks in internal assessment and external examinations are not combined and should also consider suitable scaling procedures, if necessary.

B. Question Banks:

1. The concept of question Banks has been evolved to eliminate some of the defects of setting examination papers inherent in the present system of university examination. Usually, a senior teacher or a board of paper setter set the examination papers but all the members of the board are not those who teach the subject. Further, the time given to them for setting a question paper is not

generally adequate. The most serious deficiency is that they do not reflect the objectives and contents of the syllabus.

2. Question Banks can be help-ful in the context of the revision and modernisation of courses of study in the different humanities, social science and science subjects. In fact, some of the panels in sciences have already undertaken exercises towards modernising the syllabus as well as drawing up a list of questions relating to the syllabus and its objectives. One has, therefore, to look at the Question Bank as an important means of bringing about necessary changes in the syllabus and close correspondence between the syllabus, its objectives and the question papers.

3. Question Banks is one way through which all the teachers in a subject can become fully involved in the framing of questions.

4. The concept of question bank is particularly relevant in the context of internal assessment in the affiliating type of universities for with the availability of question banks, it becomes possible to obtain uniformity of standards when internal assessment is introduced or even when autonomy is granted to selected colleges.

5. The procedure of setting a question bank will be as follows:-

(a) The examining body appoints a board of high level experts to prepare a question Bank. This board functions throughout the year and replaces to all board of paper setters. This board examines the syllabus and the assigned duration of the question paper. Thereafter, it decides on the number of questions required to be answered in the examination within the set time.

(b) On the basis of this number, the prescribed syllabus is divided into a number of units. Thus, if five questions are to be answered in the question paper, the syllabus is divided into five units.

(c) Thereafter, all the teachers teaching the subject are invited to submit questions. Alternatively, workshops may be organised for developing questions in different subjects.

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(d) The board appointed to prepare the Question Bank scrutinises all the questions received from the teachers. After these questions are suitably modified where necessary, they get included in the Question Bank.

(e) In the Question Bank as prepared finally, questions are grouped into the different units into which the syllabus is divided. Great care is taken to see that all questions in one group corresponding to a unit of the syllabus are of the same standard (if they are not, when the Question Banks are supplied to the teachers and the students, they should comment on the same and this would lead to an improvement).

(f) Such Question Banks are expected to be revised every year even when the syllabus remains the same. The revision may consist in dropping a few questions, modifying a few questions on the basis of comments received from teachers or adding new questions. Therefore, the Question Bank will continue to be a live component in the academic framework.

6. Possible difficulties in the operation of a question bank are discussed below:-

i) Certain subjects like languages, mathematics, statistics and engineering (especially those subjects where numerical questions may have to be set) may not be entirely suitable for the development of a question bank. This needs to be discussed for even, in such cases, the question bank may cover a portion of the syllabus. The numerical values indicated in the questions can be changed so that the general format of the question remains the same, which means that the questions included in the bank will be illustrative of the design of a good question but actual questions asked in the examination will have different numerical values. It may also be mentioned in this connection that according to some experts in testing subjects like Mathematics, Engineering etc. are best suited for the development of question banks for in these subjects the formulation of objectives and sampling of contents is much easier. Teachers of these subjects can also explore other possibilities to make the question bank suit their particular objectives.

ii) One of the abilities required of a student is that he should be prepared to meet unforeseen situations. If the questions are known to the students, there will be no element of surprise and consequently the ability to adjust to new situations may not be tested. One way of

dealing with the problem is to include some questions from outside the bank in the question paper. The expert committee which evolved the Plan of Action on Examination Reform itself suggested that 25 percent of the questions can be outside the bank. It also needs to be emphasized that the question bank will have problem oriented questions, which are not stereotyped, as also a mix of essay type, short answer and multiple-choice type question, which would enable us to test different kinds of skills and abilities.

iii) The question bank may lead to the publication of guides and notes which may create problems of security as the material can be smuggled into the examination hall and can lead to copying or use of unfair means. This problem will be met if the question bank is kept under constant review, as already suggested. It is also possible to have the requisite number of questions on tickets which may be picked up by students on a random basis. It will not be easy to prepare cheap guides in view of the question being problem-oriented and if a student can prepare 100-150 questions in a paper that is what is expected of him. Also, the possibility of mass-copying will be curbed by the limited time available to a student for answering questions that are problem-oriented. It may be pointed out that our standards are low not because there are guide and cheap notes but there are guides because our standards are low.

iv) The recommendations made above should not be viewed in isolation. The introduction of a system of internal assessment would reduce the strain on the examinee and hopefully mitigate some of the evils like mass-copying and use of unfair means that have crept into the present examination system. If questions are problem oriented as envisaged in the development of question banks, students will not, by and large resort to unfair means.

7. Instead of having central bank of questions, it is much better that each university develops its own question bank, suited to the contents and objectives of the syllabus it has framed for a given subject. For this purpose, the contents and objectives of each syllabus should be spelt out as clearly and in as many details as possible.

8. The questions selected for a given unit of a syllabus should be of various types but of more or less the same standard.

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9. Only such questions should be selected, which leave least ambiguity in answers.

10. In the beginning, only a few selected autonomous colleges in addition to universities should set papers for end-of-course examinations from the questions bank. Other colleges may use the question papers set by the university from the bank. In the light of the experience so gained, the question of extending the privilege to other colleges may be considered.

The workshops held at Madurai, Ahmedabad and Chanligarh expressed some doubts about the scheme of question banks as mentioned earlier but supported the view that these should be tried out on an experimental basis. However, the workshop at Bhubaneswar fully endorsed the scheme as outlined above.

(c) Grading:

The suggestion that we should have a grade instead of the present marking system is based on a number of important considerations. Firstly, the finer discriminations that we make in marking are not justified because examination marks lack reliability. Secondly, the lack of reliability of marks would mean that cut off points that are used for the award of divisions and for declaring pass/fail are purely arbitrary. Another important consideration is that in combining the marks in two subjects or papers, there is hardly any internal coherence. This leads to defective evaluation and is also responsible for a great deal of irrationality in the choice of subjects/papers and in regard to the time given by a student to the study of particular subjects/papers.

The grading system was supported by the Madurai workshop but could not be discussed at Ahmedabad in detail. The Chanligarh workshop was of the view that grading should be adopted uniformly by all the universities. The recommendations of the Bhubaneswar workshop are given below:-

1. The main advantage of the grading system is that it will reduce the element of subjectivity and remove irrationality in the choice of subjects/papers.
2. Different methods of grading can be adopted as explained in the working paper.



3. A seven-point scale is to be preferred as this will be in keeping with grading in the mind of the teacher.
4. The grade point average should also be indicated alongwith grade as this will enable postgraduate admission committees and employing agencies to distinguish among candidates having the same grade.

### III POSTGRADUATE EDUCATION

1. Facilities for postgraduate education should be developed keeping in view the manpower needs of the area and provision for prescribed facilities and maintenance of standards. The Madurai workshop recommended that new postgraduate centres may be started at the rate of one centre for about 10 colleges. The Ahmedabad workshop was of the view that there should be a postgraduate centre for every three postgraduate colleges or at least one in every district. The Bhubaneswar workshop, however, was not in favour of specifying the number of postgraduate centres in relating to the number of postgraduate colleges.
2. Admission to postgraduate colleges should be on a selective basis. The Bhubaneswar workshop further recommended that in the context of planned development, facilities for postgraduate education be made available to students who have graduated in the honours course with 50 per cent marks (B-Grade), this requirement being adjusted according to subjects.
3. Correspondence courses and non-collegiate education should be expanded so that deserving students, who do not have the facilities of institutional education are enabled to have postgraduate education.
4. Duplication in the university departments and postgraduate colleges should be avoided. There should be no duplication in the same subject at the same or nearby place as far as possible. Also there should be no duplication in teaching and research in the fields of specialisation in a subject in the same State.
5. A particular department should specialise preferably in two or three fields of specialisation and intensive researches should be done only in these specified fields by the respective departments.

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6. The departments should be brought under a number of divisions such as Life Science Division, Social Science Division, Physical Science Division, Humanities Division etc. The postgraduate students should be given the option to select their courses offered at different levels in the various departments of the Divisions. Such restructuring of the departments and courses will promote inter-departmental collaboration in teaching and research, and multi-disciplinary approach.
7. A cluster of colleges may provide cooperative teaching by pooling their resources.
8. The existing postgraduate departments and courses in affiliated colleges could continue and be strengthened after review and evaluation by the University Grants Commission.
9. Colleges which have not been in existence for a decade should not be chosen for starting postgraduate courses.
10. Each university should set up a manpower research cell to forecast employment opportunity.
11. Post-degree/diploma/certificate courses with vocational bias should be started within universities and postgraduate centres.
12. Work experience should be incorporated as a necessary ingredient of education and for this collaboration with agencies like IGAR, ICMR and CSIR etc. may be enlisted.
13. Functional courses relevant to the immediate needs of the community may be introduced at postgraduate level. The duration of such courses may vary according to the needs of the courses and these may lead to the award of a degree/diploma/certificates. The Universities/Colleges may keep in constant touch with industry/agriculture and provide courses or project work to meet regional and national needs. Courses suitable for self-employment may also be offered.
14. A cluster of colleges may provide cooperative teaching by pooling their facilities. While lecture room facilities, books and common laboratory equipment may be provided at each college, facilities for costly books journals and equipment may be made available at a

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postgraduate centre which should be set up by the university with a core staff of its own. The postgraduate centre may have a number of floating positions to which well qualified teachers from the colleges may be seconded for limited periods.

15. Project work or dissertation should be an integral part of the postgraduate courses and should not be in lieu of papers.

16. The staff teaching at postgraduate level must have research qualification. They should also be engaged in current research. The University Grants Commission should provide facilities to strengthen research activities in colleges as well as for the improvement of the qualifications of the teachers. There should be a research Coordination Committee of the University, subject-wise, to assess, evaluate and review the progress of work in the postgraduate departments of colleges.

17. Staff members who do not have research qualifications at present may be required to obtain such qualifications under faculty improvement programmes.

18. The University should set up a research coordination committee for each discipline with a view to assess the research facilities available in the colleges, evaluation of the research undertaken in the colleges and appropriate coordination of research work among the scholars and University departments. This Committee will also advise on setting up of central instrument facilities and documentation centre and also help in introduction of courses related to environment, industrial agricultural disciplines.

19. The University Grants Commission may be requested to look into the standards in postgraduate colleges with a view to maintaining proper standards as it does in the case of the universities. After review of the attainments and levels of facilities in the existing institutions, the university may, if necessary, recommend closing down of sub-standard postgraduate departments in colleges.

20. The University Grants Commission may be requested to discuss some of the relevant problems of postgraduate education with the State Governments so that the matching share of the State Governments are available to the institutions in time which will ensure timely and proper utilisation of University Grants Commission grants.

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21. The Ph.D. programme should be intensified in both the university departments and college postgraduate departments and one year pre-Ph.D. course be offered to ensure adequate training in Research Methodology etc.

22. The Faculty should be enabled to have sabbatical leave for a year after six years of service and opportunities for orientation courses etc. for their own quality improvement.

23. A proper documentation of library books, journals and equipments should be made so that use may be made of these facilities on a regional basis.

24. The Public Service Commission should be requested to diversify their syllabi as rigidity therein adversely affects the process of change and innovation in the University syllabi.

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'C'U'G'H'

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated: 10th February, 1975

Item No. 11: To consider the question of bringing out a brochure on the recommendations of the workshops organised by the University Grants Commission on Examination Reform.

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The Commission organised four zonal workshops to discuss inter alia the problems relating to examination reform at Madurai on July 25-27, 1974 at Ahmedabad on August 3-5, 1974 at Chandigarh on September 16-18, 1974 and at Bhubaneswar on November 26-28, 1974. The recommendations of these workshops were placed before the U.G.C. Implementation Committee on Examination Reform at its meeting held on 7th January, 1975. The Committee agreed that the notes on grading, internal assessment and question bank should be brought out in the form of a brochure and circulated to the Universities and Colleges as follow up to the Plan of Action on Examination Reform.

Accordingly a brochure has been prepared (Annexure). The Commission may consider if this may be published and circulated to the Universities and Colleges for their guidance.

D.S.(RR)

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'CHUGH'

The University Grants Commission sponsored four zonal workshops to discuss problems relating to examination reform, autonomous colleges and postgraduate education. The workshops were held at Madurai on July 25-27, 1974, at Ahmedabad on August 3-5, 1974, at Chandigarh on September 16-18, 1974 and at Bhubaneswar on November 26-28, 1974. Examination Reform-A Plan of Action, prepared by an expert committee appointed by the Union Minister for Education and endorsed by the University Grants Commission formed the basis of discussion on examination reform. The workshops discussed the broad objectives of examination reforms and made specific recommendations for introducing necessary changes in examinational procedures with a view to improving their validity, reliability and objectivity. The main focus was on internal assessment, question banking and grading. These are important issues on which we now have the consensus of the academic community in the country, as presented in the following summary for the guidance of universities and colleges.

#### INTERNAL ASSESSMENT

The introduction of internal assessment in contrast to the present point-in-time examination is an important step towards the integration of teaching, learning and examinations. At present the performance of the students in university examination is judged entirely on the basis of end-of-course examinations. Such examinations are usually of the 'essay' type which test the ability of the student to express his ideas fully and freely and his capacity to recall facts and information leading to regurgitation of knowledge. The introduction of internal assessment will enable universities to test other skills and objectives like the application of knowledge, conceptualization, analysis and synthesis.

There is need to clarify the meaning of the term "Internal Assessment"; since it does not merely indicate the replacement of external examination by assessment by a teacher who teaches the course; it really means that evaluation should become a continuous process. It should be clearly understood that the purpose of internal assessment is not to increase the frequency of examinations or to supplement the final examination by mid-term examinations. The main purpose is to test those skills and abilities which cannot be tested through a written examination at the end of the term or course. For this purpose internal assessment should be properly diversified so that through it we can test the writing ability of the student, his capacity to do field work or project work or

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laboratory practicals, his participation in seminars, tutorials etc., his grasp of the subject through his ability to write synopses of articles in learned journals, review reference books and use source materials etc.

It should be clearly understood that internal assessment is not meant to enforce discipline. Its purpose is entirely academic to encourage students to apply themselves assiduously to their studies and to enable teachers to realise the effectiveness of the teaching-learning process.

The question of giving due weightage to the various skills and abilities tested through internal assessment and external examinations is important and in any scheme of things internal assessment must receive adequate weight in order to be meaningful. However, the details of credit to be given for each test or assignment have to be decided by each department in relation to the objectives of the course and the level at which the course is offered. There can be no cut and dried formula for this but the important point is that this information should not be lost in the academic profile of the student.

The introduction of internal assessment will, irrespective of the methods employed, increase the work-load of teachers. Teachers have, therefore, to be prepared to shoulder this responsibility. It should, however, be possible in some of the teaching departments to utilise the services of junior and senior research fellows for evaluating the performance of the students. This would also give the research fellows some sense of involvement in the teaching and evaluation process of the department.

The introduction of internal assessment has in the past led to some difficulty for it was adopted without adequate preparation. It is necessary to involve the students and teachers in the basic philosophy that should inspire and inform the scheme of internal assessment. The following safeguards are suggested so that the provision is not misused for overestimating or underestimating the performance of students by individual colleges in order to out-compete the other colleges or by some unscrupulous teachers to favour some students and victimize others.

a) Internal assessment may be tried out, at least to begin with, first in the unitary universities, well-established postgraduate departments and autonomous colleges before it is extended to the affiliating universities or to the undergraduate stage of education.

b) It is necessary that the marks or grades obtained by the students are made known to them immediately after evaluation is completed. Another important feature that should be built into the scheme is that of correcting the answer scripts and discussing these in some detail in the tutorials or individually so that internal tests serve as a feedback.

Candidates who wish to represent against the grade awarded to them should be given an opportunity to do so and the matter considered by a scrutiny committee. Reevaluation may be done, if necessary.

c) The records of internal assessment should be maintained so that a proper scrutiny or statistical analysis can be carried out.

The marks of internal and external examinations should be kept separate for they measure different abilities and combining the two is scientifically unsound. Divisions/grades should also be indicated separately for external examinations, internal assessment, laboratory practicals etc.

In so far as laboratory practicals are concerned, assessment should be a continuous process and there is no need for end-of-course practical examinations. The marks in practicals in science should also be shown separately on the certificate or degree awarded to the student.

d) Teachers should not be allowed to take up private tuitions otherwise the scheme of internal assessment will not work in view of vested interests.

e) Internal assessment should be as objective as possible.

f) It may be noted that some affiliating universities have also introduced the internal assessment system. This is welcome but the university concerned should ensure that the marks in internal assessment and external examinations are not combined and should also consider suitable scaling procedures, if necessary.

#### QUESTION BANKS

The concept of Question Banks has been evolved to eliminate some of the defects of setting examination



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papers inherent in the present system of university examination. Usually, a senior teacher or a board of paper setter set the examination papers but all the members of the board are not those who teach the subject. Further, the time given to them for setting a question paper is not generally adequate. The questions may sometimes be vague, ambiguous and poorly designed. The most serious deficiency is that they do not reflect the objectives and contents of the syllabus.

Question Banks can be helpful in the context of the revision and modernisation of courses of study in the different humanities, social science and science subjects. In fact, some of the panels in sciences have already undertaken exercises towards modernising the syllabus as well as drawing up a list of questions relating to the syllabus and its objectives. One has, therefore to look at the Question Bank as an important means of bringing about necessary changes in the syllabus and close correspondence between the syllabus, its objectives and the question papers.

In a university examination, it is just not possible to involve all the teachers in a subject in the setting of a question paper. The result is that teaching and evaluation must remain divorced from one another without any interaction between the two. Question Banks is one way through which teachers in a subject can become fully involved in the framing of questions.

The concept of question bank is particularly relevant in the context of internal assessment in the affiliating type of universities for with the availability of question banks, it becomes possible to obtain uniformity of standards when internal assessment is introduced or even when autonomy is granted to selected colleges. It may also be mentioned in this connection that there is already a question bank in the mind of every teacher from which he draws the questions for testing the students year after year. What is now being suggested is that this bank be socialized so that the expertise of the teacher becomes available to the entire academic community.

The procedure of setting a question-bank will be as follows:

- a) The examining body appoints a board of high level

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experts to prepare a Question Bank. This board functions throughout the year and replaces the old board of paper setters. This board examines the syllabus and the assigned duration of the question paper. Thereafter, it decides on the number of questions required to be answered in the examination within the set time.

b) On the basis of this number, the prescribed syllabus is divided into a number of units. Thus, if five questions are to be answered in the question paper, the syllabus is divided into five units.

c) Thereafter, all the teachers teaching the subject are invited to submit questions. Alternatively, workshops may be organized for developing questions in different subjects.

d) The board appointed to prepare the Question Bank scrutinises all the questions received from the teachers. After these questions are suitably modified where necessary, they get included in the Question Bank.

e) In the Question Bank as prepared finally, questions are grouped into the different units into which the syllabus is divided. Great care is taken to see that all questions in one group corresponding to a unit of the syllabus are of the same standard (If they are not, when the Question Banks are supplied to the teachers and the students, they should comment on the same and this would lead to an improvement).

f) Such Question Banks are expected to be revised every year even when the syllabus remains the same. The revision may consist in dropping a few questions, modifying a few questions on the basis of comments received from teachers or adding new questions. Therefore, the Question Bank will continue to be a living component in the academic framework.

g) Instead of having a central bank of questions, it is much better that each university develops its own question bank, suited to the contents and objectives of the syllabus it has framed for a given subject. For this purpose, the contents and objectives of each syllabus should be spelt out as clearly and in as many details as possible.

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h) The questions selected for a given unit of a syllabus should be of various types but of more or less the same standard.

i) Only such questions should be selected, which leave least ambiguity in answers.

j) In the beginning, only a few selected autonomous colleges in addition to universities should set papers for end-of-course examinations from the question bank. Other colleges may use the question papers set by the university from the bank. In the light of the experience so gained, the question of extending the privilege to other colleges may be considered.

Possible difficulties in the operation of a question bank are discussed below:-

i. Certain subjects like language, mathematics, statistics and engineering (especially those subjects where numerical questions may have to be set) may not be entirely suitable for the development of a question bank. This needs to be discussed for even, in such cases, the question bank may cover a portion of the syllabus. The numerical values indicated in the questions can be so changed that the general format of the questions remains the same, which means that the questions included in the bank will be illustrative of the design of a good question but actual questions asked in the examination will have different numerical values. It may also be mentioned in this connection that according to some experts in testing subjects like Mathematics, Engineering etc. are best suited for the development of question banks for in these subjects the formulation of objective and sampling of contents is much easier. Teachers of these subjects can also explore other possibilities to make the question bank suit their particular objectives.

ii) One of the abilities required of a student is that he should be prepared to meet unforeseen situations. If the questions are known to the students, there will be no element of surprise and consequently the ability to adjust to new situations may not be tested. One way of dealing with the problem is to include some questions from outside the bank in the question paper. The expert committee which evolved the Plan of Action on Examination Reform itself suggested that 25 per cent of the questions can be outside the bank. It also

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needs to be emphasized that the question bank will have problem-oriented questions, which are not stereotyped, as also a mix of essay-type, short-answer and multiple choice type questions, which would enable us to test different kinds of skills and abilities.

iii) The question bank may lead to the publication of guides and notes which may create problems of security as the material can be smuggled into the examination hall and can lead to copying or use of unfair means. This problem will be met if the question bank is kept under constant review, as already suggested. It is also possible to have the requisite number of questions on tickets which may be picked up by students on a random basis. It will not be easy to prepare cheap guides in view of the questions being problem-oriented and if a student can prepare 100-150 of such questions in a paper that is what is expected of him. Also, the possibility of mass-copying will be curbed by the limited time available to a student for answering questions that are problem-oriented. It may be pointed out that our standards are low not because there are guide and cheap notes in the market but there are guides and cheap notes because our standards are low.

iv. The recommendations made above should not be viewed in isolation. The introduction of a system of internal assessment would reduce the strain on the examinees and hopefully mitigate some of the evils like mass-copying and use of unfair means that have crept into the present examination system. If questions are problem oriented as envisaged in the development of question banks; students will not, by and large, resort to unfair means.

#### GRADING

The suggestion that we should have the grade system instead of the present marking system is based on a number of important considerations. Firstly, under the present examination system, a student securing 59.5% marks gets a second division where as a student securing 60% marks or more gets first division. This would be a perfectly valid approach if our system of marking were perfectly valid and foolproof. Studies and investigations have, however, shown that the present marking system is subject to large-scale errors and also the idiosyncracies of examiners. The first type of uncertainty arises from the fact that it is difficult

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to define the performance of the candidate which is to be measured. The mark may be a measure. The mark may be a measure of the candidate's ability or knowledge or memory or intelligence or power of expression or a combination of one or more of these characteristics. Therefore, the marks assigned will be a subjective measure varying from examiner to examiner. The second type of uncertainty arises from the fact that in awarding marks, it is assumed that there is a 'true mark' for each student. Statistical analysis of marks in public examinations has shown that there is a 50% chance that the error in marking is greater than 5%. This means that when a candidate is awarded a mark of 41, his 'true-mark' may be either 46 or 36 in 50% of the cases.

Secondly, the lack of reliability of marks would mean that cut off points that we use for the award of divisions and for declaring pass/fail are purely arbitrary. Yet so much credence is given to marks in public examinations that a student's career might be determined by his division in the examination or by the fact that he passed or failed.

Another important consideration is that in combining the marks in different subjects or papers, there is hardly any internal coherence. The present practice of combining them to get an absolute total is incorrect, as the final ranking of a student is affected by the average marks in a subject as well as by the spread of marks. If we combine marks in two subjects, say, chemistry and mathematics and marks in chemistry vary from 30 to 60 while marks in mathematics vary from 50 to 95, the result will be that mathematics will receive three times the weight of chemistry. In effect, we shall be evaluating the performance of the student on his mathematics rather than his chemistry. This also leads to a great deal of irrationality in the choice of subjects/papers and in regard to the time given by a student to the study of particular subjects/papers. It is, therefore necessary that the performance of a student is declared in terms of grades rather than in terms of absolute marks.

In introducing the system of grading in the universities, it is of the utmost importance that a certain degree of uniformity is ensured both in regard to the particular scale adopted by the universities and the interpretation of the grades in terms of the present marking system. In the absence of such uniformity, it would be difficult for the employing

agencies in the public and private sectors, committees for admission of students to postgraduate and research courses, committees for the award of fellowships etc. to interpret the grades awarded by the different universities in a meaningful way.

Grading of students can be done on a five point scale (as in the GCE-A level examination in the United Kingdom or as implied in the plan of action on examination reform) or on a seven point scale (as in the case of the International Baccalaureat-examination or in some institutions which classify grades A and B into A I, AII, and B I, B II)-or on a nine point scale (as suggested by AET Barrow and Dr. Walker W. Hill). The main consideration to be borne in mind in choosing a particular scale should be that it conforms to the distinctions that teachers and examiners usually bear in mind when classifying a group of students. Ordinarily, teachers think of a student as excellent/outstanding, very good, good, average, below average, poor, very poor. This indicates the normality of a seven point scale. This other test to be applied to the problem of selecting the scale is that it should be suitable for various purposes for which it is going to be used. The limitation of a five point scale is that for such purposes as the award of fellowships, it would not be suitable in view of the fact that it does not give finer discriminations. On the other hand, if we have too many grades, the system would suffer from all these limitations that mark the present system of evaluation. It is also important that the range of marks represented by a certain grade is not too wide otherwise students on the maximum point of an ability band would be given the same grade as students on the minimum of the band. This may not be desirable from the point of view of equity.

It seems, therefore, that a seven point scale would be more suitable to meet the various requirements indicated above. The grades can be shown by letter grades e.g. O/E (outstanding or excellent A, B, C, D, E and F (Fail)).

The procedure of grading the students are discussed below.

1) The teachers may give grades to each question in the examination script. The grades can then be converted into points (grade 0-7, grade A-6, and so on) and aggregate points converted into the main grade. The same procedure can be applied.

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to combining grades in different papers or subjects. The crucial question here would be to have some kind of a subjective judgement in regard to the meaning of a particular grade. This system is generally adopted by the IITs for postgraduate examinations. Alternatively, the teachers can give grade to the answer-script as a whole.

ii) The teachers can mark the examination scripts as at present in terms of numerical scores. The marks can then be translated into grades. Take the top mark usually awarded in the subject and university under consideration and award it an O. Award F to the fail mark and distribute the remaining marks between O and F on the basis of equal intervals.

For example, suppose the pass mark is 36 and the highest mark ever awarded in the subject is 77, the distribution of grades will be as under:-

71-77	..	O
64-70	..	A
57-63	..	B
50-56	..	C
43-49	..	D
36-42	..	E
0	..	F

Similar tables may be constructed for each subject/paper and this will immediately provide a rational basis for combining grades in different subjects.

iii) In case it is found that some departments or colleges are over-estimating or under-estimating the performance of their students in internal assessment or external examinations, this can be test-checked by means of the normal distribution curve or frequency distribution of marks in the earlier years, either by the university itself or by a central agency.

Grades obtained by students in different examinations including sessional tests, practicals, etc. can be shown as cumulative grade or as grade point average (GPA). For

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this purpose points are assigned to grades e.g. grade O/E7, A-6, B-5, C-4, D-3, E-2, F-1. The grades in various course units or papers can be added according to the following formula:

$$GPA = \frac{C1G1 + C2G2 + \dots}{C1 + C2 + \dots}$$

where C1 C2... are credit points of the courses and G1G2 are the grade points obtained by the student.

The grade point average can also be indicated along with the grade of the student to enable postgraduate admission committees, employing agencies, etc. to have a better estimate of student performance. So long as the marking and grading systems operate simultaneously, universities may have to define their grades in terms of marks to enable others to interpret the grades properly. This will, however, be a temporary phase for once the grade system is firmly established the meaning of different grades would be understood without any difficulty.

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CONFIDENTIAL

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UNIVERSITY GRANTS COMMISSION

Meeting: 10th Feb. 1975

Dated:

12

Item No. 12 To consider further the proposal of the Government of India for making National Service for a specified period as a pre-condition for the award of a degree.

.....

The University Grants Commission at its meeting on 7th May, 1974 (Item No.11) considered the suggestion of the Ministry of Education & Social Welfare, Government of India for integrating the National Service Scheme with curricular activities in Universities and Colleges and for treating national service as a pre-condition for the award of a degree. The Commission resolved as under:-

"The Commission was of the view that it would be desirable to extend the National Service Scheme to cover all the students who join the first degree course in universities and colleges on a compulsory basis. This would, however, have to be suitably phased out. While it would not be practicable to link the National Service Scheme with all the university disciplines, it should be possible to integrate this programme with the curricula of some selected subjects. The academic bodies of the universities may consider how much of integration is possible and in what disciplines, the manner in which this may be done is best left to the Universities. The Commission desired that the manner in which integration of university disciplines with National Service Scheme is effected may be examined also by a committee of experts. This committee should be informed of total sum available for the scheme during the V Plan period".

The Ministry of Education was informed accordingly. The Ministry desired to have specific views of the Commission with regard to the suggestion for making National Service as a pre-condition for the award of a degree in professional courses. The Ministry was informed that the Commission is of the view that it would be desirable to extend the National Service scheme to cover all the students who join the first degree course in all subjects, including professional subjects. As the number

P.T.O.

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of students in the first degree course would be very large, it may not be possible to cover all the students under this programme on a compulsory basis immediately. The Commission, therefore, feels that the programme should be suitably phased and to begin with the professional courses may be covered in the first instance." The Ministry was also informed that the National Service should be introduced on a compulsory basis by integrating this programme with the curricula of some selected university disciplines. The manner and the extent of the integration should be left to the academic bodies of the university to decide.

The Ministry of Education and Social Work have now indicated that the Cabinet Secretariat desires to have specific views with regard to the suggestion for making National Service as a pre-condition for a grant of a degree. The intention is that the social Service is to be performed after the attainment of the degree and after acquiring the necessary qualifications, but the liability to perform it is to be made a pre-condition of a degree. In case this suggestion cannot be universally adopted for all those who obtain the first degree, it should be examined whether students in professional courses like medical, engineering and teaching etc. can be compelled to render a specified period of national service after they have fully qualified for the award of a professional degree, the liability to render such service being a pre-condition inherent in the award of a degree.

The Ministry has desired that the University Grants Commission may kindly examine this question de novo and the views of the Commission may be made available to them at an early date. They have specifically desired to know whether the suggestion made above is viable, desirable and possible. In case the Commission endorses the above suggestion, the Ministry would like to know how and in what manner such a stipulation can be made before they take up the matter with the Law Ministry. Copies of the letters received from the Ministry of Education in this connection are attached (Annexure-I & II).

The matter is placed before the Commission for consideration.

EO(HR)/JS(I)

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(8)

Copy of letter No.F.1-19/71-SY dated 23rd November, 1974 received from Shri T.S. Swaminathan, Deputy Secretary, Ministry of Education & Social Welfare, New Delhi addressed to Shri R.K.Chhabra, Secretary, University Grants Commission, New Delhi.

Kindly refer to the correspondence resting with the University Grants Commission's letter No.F.14-7/73(PR) dated the 10th July, 1974, regarding the proposal for making national service for a specified period as a pre-condition for the award of a degree. The views of the University Grants Commission conveyed in this letter were made available to the Ministry of Law.

2. What has been stated in the UGC letter pertains to compulsory national service during the college term. However, as already stated, the Cabinet suggestion is somewhat different and pertains to liability for service after the degree. What the Cabinet has suggested is a system under which national service could be prescribed as a pre-condition for the grant of a degree. The intention is that social service is to be performed after the attainment of the degree and after acquiring the necessary qualifications, but the liability to perform it is to be made a pre-condition of a degree. In case the suggestion cannot be univ~~ersally~~ally adopted for all those who obtain the first degree, in the first instance, it should be examined whether specified types of graduates viz. Doctors, Engineers, Teachers, etc., can be compelled to render a specified period of national service after they have qualified fully for the award of a professional degree, the liability to render such service being a pre-condition inherent in the award of a degree.

3. In view of what has been stated above, it will be appreciated that the views of the University Grants Commission intimated in their letter of 10th July, 1974, do not touch this specific suggestion. We shall, therefore, be grateful if the matter could be examined by the UGC de novo and their views and comments on the Cabinet suggestion outlined above made available at a very early date. In particular, the UGC may kindly let us know if they consider the suggestion outlined in the preceding paragraph is viable, desirable and possible. If so, how and in what manner such a stipulation can be made may also kindly be intimated, before we approach the Ministry of Law again.

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4. Since the Cabinet Secretariat has been pressing us for quite some time, we shall be grateful if this could be treated as urgent.

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SECRET

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No.F.1-19/71-SY  
Government of India  
Ministry of Education & S.W.  
(Department of Education)

....

New Delhi, 23rd November, 1974

OFFICE MEMORANDUM

Sub: Suggestion for National Service for a specified period as a pre-condition for the grant of a degree.

While considering the introduction of the National Service Bill (moved by the Ministry of Home Affairs) in the Lok Sabha, the Cabinet had desired in its meeting of 24th November, 1971, that the suggestion that National Service for a specified period be made a pre-condition for the grant of a degree, be examined.

2. The suggestion was examined vis-a-vis the recommendations made by a Sub-Committee set up by the Ministry of Education in 1971 for a mid-term appraisal of the National Service Scheme for university students launched in 1969. This Committee had, inter alia, recommended that the curriculum of the first degree course in every discipline be modified to include some aspects of social service so that the National Service Programme can be enlarged as part of the curricular activities of the first degree course. It had also suggested that attempts to utilise service of fresh graduates who evince keen interest in National Service activities for a specified period after graduation, should also be examined.

3. The Ministry of Education & Social Welfare convened a meeting of the Informal Group of Ministers and Educationists in May, 1973, to discuss the suggestion concerning National Service as a pre-condition for the award of first degree of the University. The general consensus that emerged following a detailed discussion was that on account of managerial and motivational difficulties, constraint of resources, involvement of vast number of students etc.,

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it is not feasible at this juncture to introduce compulsory National Service as a pre-condition for the award of first degree. The Group instead suggested that an attempt should be made to build into the curricula, field-oriented works projects for execution by the teaching and student community largely in rural and slum areas and that this attempt should become a forerunner of compulsory National Service at a later date. This Ministry of Education agreed with this view and referred the question of integration of NSS to the University Grants Commission.

4. A Note for the Cabinet containing the views given in paragraph 3 above was prepared in September, 1973, and forwarded to the Cabinet Secretariat with reference to the suggestion regarding compulsory National Service as pre-condition for the grant of a degree.

5. In the meantime, the National Service Act was passed in June, 1972. This Act provides for the registration of graduate doctors, engineers and technologists, and for rendering of national service by such persons for a period of not more than 4 years to assist the Defence of India and Civil Defence or the efficient conduct of military operations including such social service as the Central Government may consider necessary for public purposes. The Act is applicable to persons below 30 years of age. During such service, these persons will be paid salary and allowances etc. as admissible to persons holding similar positions under the Government.

6. In October, 1973, the Cabinet Secretariat clarified that what the Cabinet had suggested in a system under which national service could be prescribed as a pre-condition for the grant of a degree. The intention is that social service is to be performed after the attainment of the degree and after acquiring the necessary qualifications, but the liability to perform it is to be made a pre-condition for the grant of a degree. In case the suggestion cannot be universally adopted for all those who obtain the first degree, in the first instance it should be examined whether specified types of graduates viz. Doctors, Engineers, Teachers, etc., can be compelled to render a specified period of national service after they qualified fully for the award of a professional degree, the liability to render such service being a pre-condition inherent in the award of a degree.

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7. The Ministry of Education & Social Welfare has been asked to re-examine the entire matter and submit a paper to the Cabinet. Before this is done, it is requested that the above proposal (para 6) may kindly be examined in the Ministry of Labour and Employment/Ministry of Health & Family Planning (Deptt. of Health) and their views communicated as to whether the Cabinet suggestion, referred to above, is desirable, viable and possible. The Ministry of Labour may also kindly indicate if they are in favour of the above proposal keeping in view the labour and employment situation in the country. Department of Health may also indicate their views in so far as it pertains to the doctors.

8. Since the Cabinet Secretariat desire that the paper to be submitted to them immediately, it is requested that the views and comments requested above may kindly be furnished to the undersigned as early as possible and latest by 15th December, 1974.

Sd/-

(T.S. Swaminathan)  
Deputy Secretary

M/Labour & Employment (DGET)  
(Attn: Shri Ishwar Chandra, Jt. Secy.)

M/Health & Family Planning,  
(Deptt. of Health)  
(Attn: Shri Phajjan Kumar, Jt. Secy.)

Copy for favour of similar necessary action to:-

1. Dir(U) (Shri R.S. Chitkara) | It is requested that the
2. DEA(T) (Shri V.R. Reddy) | views/comments of the
3. DS(Schools) (Sh. A.K. Jadh) | University and Higher
- | Education Division/School
- | Education Division on the
- | above suggestion of the
- | Cabinet may kindly be
- | furnished as early as
- | possible and latest by
- | 15th December, 1974.

Sd/-

(T.S. Swaminathan)  
Deputy Secretary

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UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated: 11th February, 1974

Item No. 13: To consider a proposal of the Government of Bihar for declaring Mithila University, Darbhanga as an institution fit to receive grants from the Central Government, the Commission or any other organisation receiving any funds from the Central Government under Section 12A of the UGC Act.

.....

The Government of Bihar has invited a reference to University Grants Commission (The Fitness of certain universities for grant) Rules, 1974 which came into force w.e.f. 9th September, 1974 and have proposed that Mithila University, Darbhanga which had already been set up by the Government of Bihar may be declared fit to receive Central grants under Section 12A of the UGC Act and in accordance with the above indicated Rules (Annexure-1).

The Mithila University Ordinance was promulgated on the 12th May, 1972 and the university came into existence with effect from 5th August, 1972.

After its establishment, the University Grants Commission at its meeting held on 4th October, 1972 (Item No.20) considered this question of establishment of Mithila University at Darbhanga and it was decided to examine whether the university established on 5th August, 1972 would be attracted by the provision of Section 12A of the UGC amended Act.

Since the Ministry of Law had advised that no grant could be given to Mithila University unless it was declared fit to receive such assistance under Section 12A of the UGC Act which had come into force w.e.f. 17-6-72, the Commission moved the Central Government to get the Rules under Section 12A of the UGC Act finalised and the Central Government subsequently made the University Grants Commission (Fitness of Certain Universities for Grant) Rules, 1974, and these Rules came into force on 9th September, 1974. These Rules were brought to the notice of all the State Governments and the Commission, in view of the pending proposal of the Government of Bihar, also wrote to it that necessary information required in this connection be sent to the Commission

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for its consideration. The present proposal has thus been referred to the Commission for action in terms of these Rules as at Annexure-IV.

The State Government has informed that this University has already been established at Darbhanga as there was genuine need for such a University. Further the State Government wanted a smaller unit to be managed and administered efficiently to help the qualitative improvement of higher education as recommended by The Radhakrishnan Commission and The Gajendra Gadkar Committee on 'Governance of Universities'.

54 colleges have been brought within the jurisdiction of the Mithila University with nearly 50,000 students on rolls at present. It serves an area of 25,577 sq.km. and a population of 1.15 crores. The Darbhanga Division and the Kosi Division fall under its jurisdiction and this University has been set up mainly to ensure access to higher education to talented and poor students of the area and for removal of regional imbalances.

The area served by the University is economically and socially very much backward and the people of this area have the lowest per capita income. Floods and droughts are the regular features of this area. 1/4th of the total population comprise of S/Castes and other backward communities.

One of the objectives sought to be made by establishing this university is for the revival of the rich cultural heritage of the area and the removal to a very great extent of the social and regional imbalances in the field of education. One of the important programmes of the university would be to entrust with the various departments of Science, Humanities, the task of conducting researches on socio-economic problems of the area.

Inter-disciplinary studies and researches under the Institute of Physical Sciences, Earth Science and Life Sciences and the Institute of Social Sciences will be undertaken. A Planning Board under the Chairmanship of the Education Minister, Bihar has already been set up for formulating schemes for the development of the university. The State Government has already finalised the draft of a Bill to be placed before the next session of the State Legislature for its enactment.

While deciding the programmes of the University, the recommendations of the Education Commission (1964-66) and the Gajendra Gadkar Committee on Governance of University and the Zavar Hussain Reforms Committee on higher Education set up by the State Government have all been given the weightage.

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The University will be a multi-faculty one and will also be of the affiliating-cum-teaching-type. Provisions for teaching and research in faculties of Arts, Science and Commerce, Law, Medicine and Education have been made.

The State Government by an Ordinance has given powers to the University to declare a college, department, Centre, or campus as an autonomous college, department, Centre or Campus respectively. Each teaching department/Centre discipline in the university will have a provision of minimum staff of one Professor, Two Readers and adequate number of Lecturers alongwith the necessary supporting staff. The State Government has already made provisions for the development of adequate machinery for the health, residence and welfare of the students.

The University office is at present located in a building made available by the State Government at a distance of 4 kilometre from the Darbhanga Town having an area of 10 acres which is a temporary arrangement. Steps have already been initiated for the execution of about 200 acres of land alongwith the partial building of the Darbhanga Raj. The proposed site would accommodate University's office, Postgraduate departments, library and the cultural and sports activities of the university.

In the Fifth Five Year Plan the State Government has approved a provision of Rs.1.62 crores; statutory grant of Rs.30 lakhs has already been sanctioned to the university w.e.f. 1973-74 for the maintenance of the university establishment; besides a sum of Rs.one crore is annually given to this university by the State Government for grants to constituent affiliated and grant-in-aid colleges.

A statement showing the growth of universities in Bihar and the area of population served by each is enclosed as Annexure-III.

Separately the State Government has also forwarded its Five Year Plan for development of higher education. The total cost for all the schemes proposed has been estimated at 9 crores, out of which the State Government's share has been shown as Rs.4.33 crores and the rest is shown as to come from University Grants Commission.

The matter is placed before the Commission for its consideration.

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To be published in the Gazette of India  
Part II, Section 3, Sub-section (1)

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No.F.9-2/74-U.2  
Government of India  
Ministry of Education & Social Welfare  
(Department of Education)

New Delhi, the 9th September, 1974

NOTIFICATION

In exercise of the powers conferred by Section 25 of the University Grants Commission Act, 1956(3 of 1956) read with Section 12A of that Act, the Central Government hereby makes the following rules, namely:-

1. Short title, application and commencement:-

(1) These rules may be called the University Grants Commission (Fitness of Certain Universities for Grant) Rules, 1974.

(2) They shall apply to every University established after the commencement of the University Grants Commission (Amendment) Act, 1972 (33 of 1972) other than an Agricultural University or a University established against the advice of the Commission for imparting, exclusively, technological or medical education.

(3) They shall come into force on the date of their publication in the Official Gazette.

2. Fitness for grant:- No University to which these rules apply, shall be declared to be fit to receive grants from the Central Government, the Commission or any other organisation receiving any funds from the Central Government, unless the Commission is satisfied in respect of the following matters, namely:-

(i) the establishment of the University is justified on one or more of the following grounds, namely:-

(a) inadequacy of the facilities for higher education and research in the area in which the University is situated and the inability of the existing University or Universities of the State concerned to provide for such facilities either in its or their existing faculties or schools or by the establishment of postgraduate centres or campuses.

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- (b) the University has or shall have some special features or new programmes and activities which will augment the existing academic resources in the country;
- (c) the University has or shall have programmes for the upliftment of backward areas or removal of regional imbalances;
- (ii) the law under which the University is established contains a provision for the establishment of a Planning Board or Committee consisting of eminent educationists to indicate the lines on which the University shall develop;
- (iii) in the law under which the University is established, due weight has been given to the recommendations made by-
  - (a) the Education Commission (1964-66) constituted by a resolution of the Government of India;
  - (b) the Committee on the Governance of Universities appointed by the Commission; and
  - (c) the Committees or Panels appointed by the Commission during the last ten years;
- (iv) the University is not merely an affiliating University but a multi-Faculty University having adequate facilities for teaching and research in a number of subjects;
- (v) The University has powers to provide instruction through correspondence courses and to declare a college, department, centre or campus as an autonomous college, department, centre or campus, respectively;
- (vi) every teaching department, centre, discipline in the University has a provision for a minimum staff of one Professor, two Readers and an adequate number of lecturers alongwith the necessary supporting staff;
- (vii) adequate machinery for the health, residence and welfare for the students has either been provided in, or resources are being made available for the purpose to the University.
- (viii) the University has been provided with adequate facilities in respect of buildings, equipments, books, library, hostel and staff quarters, excluding colleges or institutions affiliated or admitted to its privileges, whose aggregate value is not less

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than Rs.2 crores alongwith the developed land or the State Government is prepared to give an assurance to the Commission that a minimum amount of Rs.2 crores shall be made available to the University during the initial period of five years for the provision of the above mentioned facilities in addition to the developed land.

Sd/-  
(IDN Sahi)  
Secretary to the Government of India

The Manager,  
Government of India Press  
Ring Road, New Delhi.

Copy forwarded for information to:

1. The Secretary, UGC, New Delhi.
2. The Comptroller & Auditor General of India, New Delhi
3. The Accountant General, Central Revenues, New Delhi.
4. All State Governments and Administrations.
5. All Ministries of the Government of India.
6. All the Universities in India.
7. All the Coordination Sections of various Divisions in the Ministry of Education & Social Welfare.

Sd/-  
(M.N. Sinha)  
Under Secretary.

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(Showing the growth of the Universities in Bihar and the area and population served by each University and character of each University).

.....

No.	Name of the University	Year of establishment.	Character of the University	Area and population served Area in sq.km.	Population	No. of colleges	No. of P.G. Departments.
1.	Patna	1917	Residential (since 1952)	Municipal area of the city of Patna.	5,30,000	10	36
2.	Bihar	1952	Teaching-cum-Affiliating.	23,986	1,26,63,000	58	18+4 at MS College +4 at Rajendra College
3.	Bhagalpur	1960	-do-	29,612	91,71,000	46	16+2
4.	Ranchi	1960	-do-	65,509	1,10,40,000	58	17+P.G. Deptts. of Medicine & Engg.+2 at Hazaribagh.
5.	Magadh	1962	-do-	29,192	1,14,23,000	54	17+2 at Arrah.
6.	Mithila	1972	-do-	25,577	1,15,26,000	54	7

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting:

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Dated: 14th February, 1975

Item No.14: To consider the question of providing assistance to institutions deemed to be universities under Section 3 of the UGC Act for the post of Development Officers during the Fifth Plan.

.....

The question of appointment of Development Officers by the universities during the Fifth Five Year Plan was considered by the Commission at its meeting held on the 2nd and 3rd June, 1974 (item No.15) and it had been decided that the universities which had not created such posts during the Fourth Five Year Plan period be assisted by the Commission during the Fifth Five Year Plan i.e. upto the end of 1978-79 provided that the post of the Development Officer so created would be continued on a permanent basis after 1978-79 when the assistance from the University Grants Commission would cease. The Commission has further decided that:-

- (I) Assistance from the University Grants Commission towards the post of Development Officer will be on 100% basis and would be available only to such universities which agree to set up an academic planning Board and the expenditure on the salary etc. of this post will have to be included within the Fifth Plan allocation of grants to be made available to each university.
- (II) The post of the Development Officer will be created in a university to look after exclusively the development work of the university, in consultation with the Academic Planning board.
- (III) The Development Officer appointed by a university shall be a full-time officer who may assist the Vice-Chancellor in the formulation and implementation of the development programmes of the university.
- (IV) The qualifications for the post of a Development Officer will be prescribed by the Universities themselves taking into account the job requirements of the post.

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- (V) The Development Officer appointed should also act as the Secretary of the Planning Board whenever constituted.
- (VI) The post of the Development Officer may carry the salary scale of a Deputy Registrar.

The above decision of the Commission was communicated to all the universities.

During the Fourth Plan, the Commission had not assisted the Institutions deemed to be universities under Section 3 of the UGC Act for the creation of the post of Development Officer in view of the state of development of these institutions. The position of development activities in the Institutions deemed to be universities during the Fifth Plan would be different from the Fourth Plan and in view of this, a question has been raised by some of the Institutions deemed to be universities as to the need for assistance to be provided to them by the Commission for the creation of the post of Development Officer on the same basis as agreed to for universities.

The matter is placed before the Commission for consideration.

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meetings:

(95)

Dated: 10th February, 1975

Item No. 15: To consider the proposal of the Gorakhpur University for the construction of 300 boys hostel at an estimated cost of Rs. 28 lakhs during the Fifth Plan period.

.....

The University of Gorakhpur has sent a proposal for the construction of 300 boys hostel at an estimated cost of Rs. 28 lakhs on the usual sharing basis of 50:50. The University proposes to start the construction of the hostel immediately as it is experiencing acute shortage of hostel accommodation. The University has sent the following data in support of their proposal:-

Hostel seats available	644
Hostel accommodation under construction	150
Total:	794

Number of students sought admission

Year	Postgraduate	Undergraduate	Others	Total
1971-72	2216	3709	665	6590
1972-73	2285	4167	418	6870
1973-74	2447	4149	822	7418

2. The matching share of the University/State Government is proposed to be met by securing loan from the Housing and Urban Development Corporation (HUDCO), New Delhi. The Government of Uttar Pradesh has also empowered the Gorakhpur University to mortgage, if necessary and to the extent necessary, its property during the period of loan. The HUDCO will consider this proposal after receiving assurance that 50% of the total cost would be met by the University Grants Commission. The repayment

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of the loan together with interest has been guaranteed by the State Government in yearly instalments. The share of the Commission will be accommodated in the over-all Fifth Plan allocation to the university. The university has also assured that it will restrict the expenditure on buildings during the Fifth Plan, within 25% of the total Fifth Plan allocation that would be made available to the university. A tentative allocation of Rs. 100 lakhs was indicated to the Gorakhpur University at the beginning of Fifth Plan. The University Grants Commission has already requested the university to send its fifth plan proposals in three priorities i.e. first priority 50%, second priority 25% and third priority 25%. The release of grants on the above basis, would depend on the funds that would be placed by the Government of India at the disposal of the Commission during the Fifth Plan period.

3. The Commission at their meeting held on 7th May, 1974 decided to provide assistance to the universities for their development projects during the fifth plan period on the following basis (Item No.7):

Buildings	25%
Staff	27%
Books	20%
Equipment	20%
Miscellaneous	8%

The expenditure on the construction of buildings, limited to 25% of the total allocation, was to be taken after excluding the spill-over in respect of construction of buildings approved during the fourth plan period.

4. The Gorakhpur University has to accommodate a spill-over of Rs. 18.20 lakhs (including Rs. 7.50 lakhs for the construction of buildings) from fourth plan as a first charge on the fifth plan allocation that would be made available to it. In addition, the Commission has since agreed separately to provide for Rs. 7.76 lakhs for the construction of hostel and accommodation for 150 students (including 50 girl students), the approval of which was conveyed in the fourth plan, but the university could not claim any amount during that plan. This amount of Rs. 7.76 lakhs will also be a first charge on the fifth plan allocation to be made available to the university.

5. The Visiting Committee to assess the Fifth Plan development proposal of the university is likely to visit Gorakhpur University by March next. It may be mentioned that the Commission has accepted a similar

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proposal of the Allahabad University for the construction of a 300 students hostel costing Rs. 52 lakhs and to be partly financed out of the loan from the UUDCO, as a first charge on the fifth plan allocation to the university.

The proposal of the Gorakhpur University is placed before the Commission for consideration.

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

(78)

Meeting:

Dated 10th February, 1975

Item No. 16: To consider a proposal from the Tata Institute of Social Sciences, Bombay for the construction of a Teachers' Hostel.

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During the Fourth Five Year Plan, a total allocation of Rs. 17.69 lakhs was made to the Tata Institute of Social Sciences, Bombay. This included the following two projects which could not be implemented by the Institute due to the ban imposed on construction works during 1973-74:-

	Approved Cost (Rs.)	UGC share (Rs.)	
1. Guest House-cum-Teachers' Hostel	4,00,000	3,00,000	75%
2. Staff Quarters	1,30,000	65,000	50%
	<hr/> 5,30,000	<hr/> 3,65,000	

In August 1973, the Institute sought the Commission's approval for the construction of a Teachers' Hostel in lieu of the Guest House-cum-Teachers' Hostel and Staff Quarters and also to undertake the construction work immediately. The Institute was informed that while the Commission had no objection to the preparation of plans and estimates and obtaining Municipal permission etc., it could not agree to the actual construction work being undertaken before 1974-75. In July 1974, the Tata Institute of Social Sciences again asked for approval to undertake the construction work but in view of the continued ban by the Government of India on the construction of non-functional buildings, the Institute requested to include the proposal for the construction of Teachers' Hostel in the Fifth Five Year Plan proposals.

The Director, Tata Institute of Social Sciences, Bombay has now informed that the plans and estimates were sent to the Bombay Municipal Corporation and their

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Orders for approval of construction are under issue. The Director has further indicated that the approval of the Municipal Corporation will be valid for a period of one year only, and if the work is not started during this period, the Institute will have to go through all the formalities again for getting the Municipal approval which will necessitate incurring additional expenses. The Institute has, therefore, asked for the approval to start the construction work.

It may be stated that during the Fifth Five Year Plan, the Commission has agreed to share expenditure on the construction of Teachers' hostels on 50:50 basis. If the Tata Institute of Social Sciences, Bombay is allowed to go ahead with the construction of Teachers' hostel, the Commission's share of the expenditure is likely to be Rs.4.50 lakhs which would be made a first charge on the Fifth Five Year Plan allocation of the Institute.

The matter is placed before the Commission for consideration.

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated : 10th February '75

Item No. 18 To consider the recommendations made by the Expert Committee appointed by the Commission to evaluate the work of the Centre for Exploration Geophysics, Osmania University.

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The University Grants Commission, at its meeting held on 9th September, 1974 (Item No.10) considered a proposal received from Osmania University for extension of the duration of assistance to the Centre for Exploration Geophysics, beyond Five Year Plan period and desired that an expert Committee may be appointed to visit the Centre and evaluate the progress achieved so far in the development of the Centre. Accordingly, the following committee was constituted:-

1. Prof. B.G. Deshpande,  
Head of the Department of Geology,  
University of Poona,  
Poona.
2. Prof. V.K. Gaur,  
Department of Geology & Geophysics,  
Roorkee University,  
Roorkee.
3. Dr. D. Shankar Narayan,  
Additional Secretary,  
University Grants Commission.

The Committee visited the Centre for Exploration Geophysics, Osmania University on 25th and 26th November, 1974 and assessed the various stages of the development achieved in the implementation of the project. The Committee also examined in detail the research programmes undertaken by the Centre, types of courses offered, student intake and all other aspects in relation to the plan of work formulated for establishment of the Centre for Exploration Geophysics under the Indo-USSR Agreement. A copy of the report made by the Committee is attached as Annexure. The salient observations made by the Committee are as follows:

The Centre has been able to set up several laboratory experiments and also to develop good workshop

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facilities, survey units, drafting section, rock cutting and polishing section etc. The Soviet Geophysicists associated with the implementation of the project and planning and development as well as teaching and research of the Centre have taken active part and given sufficient support in the achievement of the objectives of the Centre. The joint efforts of the Soviet experts and the students have also resulted in preparation of a few textbooks, laboratory manuals etc. the Centre has been able to develop a well balanced and upto date three-year post-graduate course in Geophysics, leading to the award of M.Tech. Degree of Osmania University. In the field of Geophysical research investigations, the Centre has been able to make a very substantial progress by utilising the sophisticated imported and indigenous equipment, laboratory and field facilities and the training obtained by its faculty in the specialised institutions in the U.S.S.R. The University and staff of the Centre under the leadership of Prof. V.L.S. Bhimasankaram have utilised with justification the funds available so far under the Indo-USSR Agreement and the Centre has now developed into an all-India institute providing necessary facilities for training and research including field studies and project work in different aspects of exploration geophysics.

The Committee has observed that the Centre has filled in a much-felt requirement in the matter of training and research in Geophysics in the Indian University system and therefore recommended that the Commission may provide continued support for various activities initiated by the Centre and those to be taken up by it in the next five years. The Committee has, however, felt that some of the staff position (Academic, Technical and Administrative) approved during the IV Plan may not be continued beyond 1.4.1975.

The Committee has recommended that the (a) Indo-USSR Project may be allowed to be continued by fully utilising the balance of grant available from the approved project budget, and (b) the University Grants Commission may provide an annual recurring grant upto end of V Plan period after which the University/State Government should take it over as part of their maintenance expenditure, and (c) a non-recurring grant of Rs.10,000/- for installation of the seismographic units.

(a) The annual recurring grant recommended is for following purposes, and amounts to Rs.5 lakhs per annum.

- |                               |                    |
|-------------------------------|--------------------|
| a) Academic Staff             | Rs.2.00 lakhs p.a. |
| b) Technical Supporting Staff | Rs.1.00 lakhs p.a. |

c) Administrative Staff	Rs.0.50 lakhs p.a.
d) Studentships	Rs.1.00 lakhs p.a.
e) Working expenses	Rs.0.50 lakhs p.a.

For one year.

Rs.5.00 lakhs p.a. upto  
end of V Plan period.

(b) Non-Recurring

Rs.10,000/- only

The matter is placed before the Commission.

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Report of the Expert Committee appointed by the Commission to evaluate the work of the Centre of Exploration Geophysics, Osmania University, Hyderabad.

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The University Grants Commission at its meeting held in September, 1974 considered a proposal from the Osmania University for continuation of assistance from the University Grants Commission to the Centre of Exploration Geophysics upto the end of the Fifth Plan period and desired that an Expert Committee may be appointed to visit the Centre for Exploration Geophysics and evaluate the progress achieved so far in the development of the Centre of Exploration Geophysics. The Committee was requested to assess the various stages of development achieved in the implementation of this project developed jointly by the Osmania University and the Moscow Geological Prospecting Institute and funded by the Commission under the Indo-Soviet Credit Agreement for Economic and Technical Cooperation since 1969-74. The Committee consisting of the following members visited the Centre for Exploration Geophysics, Osmania University on 25th & 26th November, 1974.

- (1) Professor B.G. Deshpande,  
Head of the Department of Geology,  
University of Poona,  
Poona.
- (2) Professor V.K. Gaur,  
Department of Geology & Geophysics,  
Roorkee University, Roorkee.
- & (3) Dr. D. Shankar Narayan,  
Additional Secretary,  
University Grants Commission.

The Committee had discussions with the Vice-Chancellor of the University, Head and other staff of the Centre for Exploration Geophysics and other university authorities. The Committee visited the different laboratories and examined in detail the various aspects of development, their research programmes, types of courses offered, student intake and all other aspects in relation to the plan of work formulated for establishment of the Centre for Exploration Geophysics under the Indo-USSR Agreement.

The detailed project developed jointly by Professor M.I. Plusnia of the Moscow Geological Prospecting

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Institute and the Head of the Centre for Exploration Geophysics, Osmania University was accepted by the Commission in July 1968 and subsequently the budget estimates amounting to Rs.88.40 lakhs was approved on 1st July, 1970 to enable the project to be implemented fully in two successive phases, viz., 1969-72 and 1972-74. The project, however, began in early 1970 and has been actually under implementation for about 4½ years and is presently in the Fifth Year.

The main objectives for the establishment of the Centre, as outlined in the project, are indicated below:

### 1. Geophysical Teaching

- (i) Training of Geophysicists specialised in investigations of the earth's crust as a whole and in particular the exploration of mineral deposits oil and gas, ground water, engineering Geophysics.
- (ii) Training of Geologists, Mining Engineers and students of other related faculties in principles of Geophysical Prospecting.
- (iii) Refresher courses for Geophysicists engaged in Exploration and for teaching staff of other institutions.
- (iv) Preparation of original and translated textbooks on geophysical subjects.

### 2. Geophysical Research

- (i) Training of Ph.D's capable of teaching and conducting research in universities and research institutions.
- (ii) Theoretical and experimental investigations in Geophysical Exploration and related branches.
- (iii) Field investigations in Mineral Exploration, Ground Water and Engineering problems related to the industrial and agricultural development of the country.
- (iv) Development and construction of Instruments for Research, field and laboratory studies.

As envisaged in the Indo-Soviet Credit Agreement, the USSR Credit amounting to about Rs. 35 lakhs in Flexible Credit was to be utilised for purposes of import of

specialised scientific equipment, books and journals, services of Soviet experts/specialists and technicians and for training of Indian staff from the Centre in the Institutes of Geophysics in the USSR. The main focal point of link was the Moscow Geological Prospecting Institute. The remaining provision of Rs.53.40 lakhs was made for construction of necessary laboratory buildings, student hostel and staff quarters, purchase of indigenous equipment, books and journals, appointment of teaching and other supporting staff, payment of stipends and fellowships for students and for maintenance of laboratory, field work and other expenditure required for the efficient functioning of the Centre of Exploration Geophysics so that the Centre could develop into a top level teaching and research institution in Geophysics with emphasis on exploration aspects and serving the needs of the Indian university system in this important area.

A statement of grants approved for different purposes and paid upto March 1974 is attached as Appendix I. Subsequent to March 1974, the Centre has been utilising the balance of grants available with a view to fully implement the programmes envisaged in the project jointly developed by India and the U.S.S.R.

The Committee's observations on the various aspects of the development of this Centre of Exploration Geophysics are given below:

(1) The Centre of Exploration Geophysics has been developed by upgrading and expansion of the erstwhile Department of Geophysics of the Osmania University. Prior to the taking up of the Indo-Soviet Project, this department had a staff of one Professor, one Reader, three Lecturers and a technical supporting staff of four persons, besides an administrative staff of six persons. The department used to admit six students for the Geophysics three-year course leading to (M.Tech.). Consequent upon the acceptance of the INDO-USSR Project and utilisation of the funds available for different purposes, the Centre has now become established in its new building, with various laboratories for supporting its teaching and research activities including sponsored contractual research programmes referred to it by various user agencies, State Governments and also the UNDP etc. As earlier stated, the Centre for Exploration Geophysics began implementing the Project in early 1970.

(2) Laboratories and Staff Quarters: The Centre for Exploration Geophysics is presently housed in the newly constructed laboratory building having a plinth area of 40,000 sq.ft. consisting of necessary laboratories, lecture rooms, workshop facilities and other ancillary facilities for storage of field equipment and garrages for

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the vehicles. Ten laboratories dealing with different branches of Geophysics and allied subjects have been set up with necessary equipment obtained under the Project from USSR, purchase of indigenous equipment and also several items of equipment designed and fabricated by the Centre itself. The department has been able to set up several laboratory experiments and also to develop good workshop facilities, survey units, drafting section, rock cutting and polishing section etc. The laboratories presently developed in the Centre relate to the following:

1. Gravity, Magnetic and Integrated Geophysics Division (Survey Section is attached to this Division).
2. Seismic Division
3. Electrical and Electromagnetic Methods Division
4. Groundwater Research and Investigations Division (R.I.D.)
5. Well-logging Division
6. Radiometry and Nuclear Geophysics Division
7. Geophysical Data Processing and Applied Mathematics Division.
8. Geophysical Instrumentation and Electronics Division (A workshop is attached to this division)
9. Applied Geology Division (A rock cutting laboratory is attached to this Division)
10. Palaeomagnetism and Rock Magnetism Division.

The list of important laboratory experiments set up for the students training purposes is given in Appendix II.

(3) The library of the Centre consists of about 2,500 books and nearly 200 back volumes of important journals on different subjects of Geophysics as also on ancillary subjects like Mathematics, Physics, Electronics, Geology, Geochemistry. The library subscribes to most of the important journals in the field of Geophysics. On an average, over 500 books have been added annually to the library.

(4) Staff Position: The present strength of the teaching staff of the Centre of Exploration Geophysics consists of one Professor, four Readers, eleven Lecturers, six technical assistants, six research scholars and adequate number of other technical and administrative supporting staff. Steps have been taken for filling up of the posts of one Professor, four Readers, two Lecturers, three senior technical assistants during the current year. The above staff is in addition to the transient staff engaged under contractual research and investigation projects supported by various State Governments, International agencies and other users. Such staff at present accounts for four junior Geophysicists and ten technical supporting staff.

(5) Student Intake: The student intake of the Centre which was six only during 1969-70 has been progressively increased to 24 students annually at the present time. Out of these, 50% seats are filled up on an all-India basis while the other 50% of seats are reserved for the local candidates as per existing admission rules of the Osmania University.

(6) Utilisation of the technical assistants from the USSR:

During the past four years the Centre has been able to obtain and utilise effectively the services of 15 Soviet Geophysicists representing different branches. Out of the 159 man-months provided for this purpose, the Centre has utilised 110 man-months upto the end of March, 1974, and during the current year has further utilised another five man-months. The Centre has a commitment of 12 man-months during the year 1974-75; thus leaving a balance of about 28 to 30 man-months to be utilised in future. The Soviet Geophysicists, associated with the implementation of the project and planning and development as well as teaching and research of the Centre have taken active part and given sufficient support in the achievement of the objectives of the Centre. The experts have delivered special courses of lectures to the postgraduate students and research students in the different branches. Invariably a staff member was attached to each of the visiting professor as under study so that even after the foreign expert has departed, the work could be effectively continued. The visits of the Soviet experts have enabled the Centre to take up several new research and field investigation projects. The lectures delivered by these Soviet experts have resulted in useful lecture notes for use by students and staff members and are also available on request to other universities teaching geophysics. The joint efforts of the Soviet experts and the students have also resulted in preparation of a few textbooks, laboratory manuals, etc.

Nine staff members of the Centre have so far been trained or are undergoing training at present in the institutions in the USSR in different branches of Exploration Geophysics. Out of a total of 180 man-months provided for this purpose, nearly 2/3rds of the man-months have been fully utilised.

In the matter of import of equipment, the Centre prepared and obtained in consultation with the Soviet scientists necessary geophysical equipment/instruments required for its laboratories and also for field investigations. The sum of Rs.25 lakhs provided for this purpose has been almost fully utilised, leaving a balance of about Rs.7,000/- only.

(7) Teaching and training programmes: One of the important objectives of the Centre indicated in the project plan is development of teaching and training of postgraduate geophysicists capable of undertaking independent investigations for exploration of minerals, groundwater, oil and gas by employing appropriate geophysics techniques and methodologies. The Centre has been able to develop a well balanced and upto date three-year postgraduate course in Geophysics, leading to the award of M.Tech. degree of Osmania University. The courses are continuously revised and the emphasis is laid on field exploration aspects of geophysics. Several modern topics and new inter-disciplinary areas have been included so as to provide the students a comprehensive training and also work experience and field training in surveying geological and geophysical prospecting methods, advanced methods, computer techniques and data processing, applied electronics, the workshop practice, economic geology including feasibility, study preparations. The Centre enjoys considerable autonomy in its academic programmes and has therefore been able to introduce course work on a semester system basis and provide for internal assessment providing for 25% of the total marks. The Centre has also introduced open book oral examination in any one subject at the end of each semester as an experimental measure since 1971. The Centre has utilised the funds available to it to invite specialists from other universities and research organisations in the country to give extension lectures for the benefit of students and research workers.

(b) Diploma Courses: While the M.Sc.(Tech.) Geophysics course has been organised effectively, as envisaged in the Plan, the Centre's efforts to organise the two diploma courses, viz., the Senior Diploma Course of one year's duration and Junior Diploma Course of 1½ years' duration have not proved successful. The Centre however has been able to take necessary steps to start a one year postgraduate diploma course, mainly for inservice personnel from the current year 1974-75.

Short-term Certificate Courses: The Centre has so far conducted two certificate courses; one in well-logging during 1972 and another in groundwater geophysics during 1973. The first course was attended by nearly 90 persons drawn from 29 different institutions and research organisations. The second course attracted 102 persons. In the organisation of these two short-term courses, the Centre has associated, besides its staff and visiting Soviet experts, other scientists from geophysical and geological organisations, Oil and Natural Gas Commission, Geological Survey, the Central Ground Water Board, State Ground Water Department and Central Water and Power Commission. In future, teachers from other universities may also be associated.

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The Centre proposes to repeat these courses periodically depending upon the demand and also to introduce courses in the mineral prospecting by geophysical techniques.

(8) Preparation of books: Following this important objective envisaged in the project, the Centre's staff have strived hard to prepare textbooks and other materials required for geophysical training. During 1969-74, the Centre's staff and the visiting Soviet Scientists have together prepared 11 manuscripts on different geophysical subjects (See Appendix III). Of these, the Centre has so far published the following two books:

- (1) Introduction to the Theory of Fields (1973)  
by Professor VLS Bhimasankaram, Dr. G.A. Soloviev and Dr. SV Seshagiri Rao.
- (2) Radiometric Methods of Exploration (1974)  
by Professor VLS Bhimasankaram  
These books have received favourable international reviews.

Three more books are ready for preparation. These are:

- (i) Principles of Nuclear Geophysics by Professor VLS Bhimasankaram, Dr. EI Savenko and Shri N. Venkat Rao;
- (ii) Gravity Prospecting by Professor V.S. Mironov and Shri SM Varaprasada Rao &
- (iii) Electromagnetic Methods of Geophysical Prospecting by Professor EM Kamenetsky and Professor VLS Bhimasankaram.

The Centre in addition publishes an annual CEG Bulletin. The bulletin contains research contributions of the faculty and also from research workers in Exploration Geophysics in other organisations, both in India and abroad. The contributions to the journal are subjected to critical referee evaluation.

(9) Research and Investigations: In the field of Geophysical research investigations, the Centre has been able to make a very substantial progress by utilising the sophisticated imported and indigenous equipment, laboratory and field facilities and the training obtained by its faculty in the specialised institutions in the USSR. The Centre has been able to make important contributions to the methodology of geophysical exploration for groundwater in the different geological formations and conditions. Other lines of investigations included, theoretical and experimental investigations in different areas of geophysics

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certain general geophysical problems like Palaeomagnetism and rock magnetism, design and development of geophysical instruments useful for field and laboratory investigations. The Centre has undertaken on its own a total of 93 projects of long and short range duration, both in the field and in the laboratories. Seventy-six research publications have resulted out of these projects so far. Besides this, forty-two dissertations have been prepared by the M.Sc.(Tech.) students as a result of the project work undertaken by the final year students under the guidance of teaching staff. The Centre has so far trained 22 research scholars and also ten scientific staff deputed by various agencies under contractual agreements. So far six students have obtained Ph.D. degrees, while two Ph.D. theses are awaiting results. Four other theses are ready for submission shortly.

The Centre has so far designed, developed and constructed in its workshop nine new instruments for field investigations of minerals and groundwater (See Appendix IV). X-ray Fluorescence equipment set up in the Radiometry and Nuclear Geophysics Division of this Centre is the first of its kind in India and has been found useful for analysis of elemental contents of ores and rocks. In addition, several laboratory equipments for measurement of physical properties and several experimental lay outs for students and research scholar trainees have also been set up. The Centre has been able to supply from its workshop two pieces of the Low Frequency Resistivity Meters to the Andhra Pradesh State Groundwater Department. The Centre has the capacity to produce any of the items of equipment developed by it and make them available to other teaching and research institutions in the country at reasonable costs.

(10) Collaboration with other geophysical organisations:

The Centre has been able to enlist the cooperation of various institutes engaged in teaching and research and field work in Geophysics, such as, the National Geophysical Research Institute, Geological Survey of India, Oil and Natural Gas Commission, Central Groundwater Board, State Departments and other university departments. The Centre's staff has been available for visits and for delivering lectures in other universities. It has also made available for short periods the services of Soviet experts to other university departments. It has also made arrangements for placement of its students for field training in the camp organised by other agencies.

The Centre organised in March 1974 a Seminar on Geophysical Education in India and has been able to work out in consultation with other universities and employing agencies a detailed plan for improvement of teaching and training in geophysics, preparation of teaching aids,



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research and investigation programmes to be undertaken by different institutions and also methods of increasing the employment opportunities for trained geophysicists.

(11) Contractual and other collaborative programmes:  
During the past five years the Centre has undertaken four contractual programmes which have brought together a sum of Rs. 10 lakhs. It has also finalized plans for undertaking five more contract programmes during the current year. These contractual programmes have been sponsored by the Andhra Pradesh Government, Unesco, Government of U.P., Andhra Pradesh Mining Corporation, Roayalsema Development Corporation, Oil and Natural Gas Commission and Mineral Exploration Corporation of the Government of India.

It would be evident from the foregoing account, relating to the different aspects of the development of the Centre of Exploration Geophysics, that the University and the staff of the Centre under the leadership of Professor V.L.S. Bhimasankaram have utilised with justification the funds made available so far under the Indo-USSR Agreement. The Centre of Exploration Geophysics, Osmania University, Hyderabad in the opinion of this Committee has now developed into an all-India institute providing necessary facilities for training and research including field studies and project work in different aspects of exploration geophysics. It has also been able to attract good students from different parts of the country and to undertake research programmes as well as contractual projects having a distinct bearing for exploitation of natural resources and thus to economic development of the country. The efforts of the Centre in the matter of fabrication of geophysical instruments, setting up of geophysical experiments and production of literature required for geophysics training are particularly noteworthy. The Committee would like to express its appreciation to the staff of the Centre for these contributions.

The Committee has no doubt that this Centre has filled in a much felt requirement in the matter of training and research in geophysics in the Indian University system and therefore would like to recommend to the University Grants Commission continued support to be given for various activities initiated by it and to be taken up in the next five years. The Committee understood that according to the project document prepared jointly by the Osmania University and the representatives of the USSR Institute for Geological Prospecting, Moscow, the recurring assistance was to be continued to be provided by the Central Government through the University Grants Commission for an initial period of ten years. The project

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budget, however, envisaged the requirements, both non-recurring and recurring for a period of five years i.e. the duration of the implementation of the joint Indo-USSR Project.

Thereafter the level of recurring assistance to be continued for the next five years was to be determined on the basis of the development of the Centre. The Committee has therefore considered the requirements of this Centre for Exploration Geophysics from two aspects: (a) The recurring assistance to be provided by the University Grants Commission upto the end of the Fifth Plan period for the existing staff positions and other needs, such as, the working expenses, field work, contingencies, etc., and which would be taken over by the State Government and the University at the end of the Fifth Plan period as committed expenditure. (b) The requirements of the Centre for further consolidation and expansion of its programmes during the Fifth Plan period.

As regards the maintenance grant required for purposes of sustaining the present level of activity and meeting the salaries of staff and other expenses involved, the Committee has examined in detail the position of (i) academic staff, (ii) technical supporting staff (iii) administrative staff & (iv) expenditure on other items. The Committee would like to recommend continued support for the academic staff positions already filled and posts for which advertisements have been made and are likely to be filled during 1974-75 or subsequently during the Plan period. The Committee would not consider it necessary to retain two posts of lecturers lying vacant, viz. lecturer in Mathematics and lecturer in Russian Language.

As regards the technical posts, the Committee noted that the Centre and the University had created a number of positions far in excess of the number of posts envisaged in the project document mainly by utilising the savings which had become available to it through non-filling of approved posts. The Committee examined the necessity of the various posts and would like to suggest the exclusion of four posts of senior technical assistants, two posts of junior draftsmen, one post of section cutter, three posts of lab. assistants, one post of senior motor mechanic, two posts of vehicle drivers, one post of proof reader, one post of documentation attendant, one post of lab.cum-field attendant, one post of workshop assistant, one post of cleaner and the post of assistant engineer with effect from 1.4.1975. The remaining posts of technical staff are considered necessary for the efficient functioning of the Centre.

As regards the administrative staff, the Committee is of the view that the existing posts of (i) Administrator

and Accounts Officer (ii) Accounts Superintendent, both filled and (iii) Post of LDC lying vacant and two posts of messenger boys are superfluous and may be abolished with effect from 1.4.1975. Similarly 11 other administrative posts created from savings (One Steno-typist, three UDCs, one Cashier, one Storekeeper III, one Book Bearer, two messenger boys, one Watchman and one Kamati) should be dispensed with effect from 1.4.1975. The University may consider re-absorbing some of them against its own positions, even as several of them had been transferred by it to the Centre of Exploration Geophysics so far and expenditure met from the project funds.

On the basis of the above examination regarding staff positions, the Committee has estimated that the following expenditure would be required to be provided as annual maintenance grant for the Centre of Exploration Geophysics during the Fifth Plan period:

- (a) Academic Staff ... Rs.2.00 lakhs pa.
- (b) Technical supporting staff ... Rs.1.00 lakh p.a.
- (c) Administrative Staff ... Rs.50,000 p.a.

In addition to this, since the Centre admits students on an all-India basis, a sum of Rs.1.00 lakh would be required for payment of studentships to the students admitted to the 24 places in the three-year M.Tech. course. The Committee would like to recommend here that 50% of the students may be drawn from all the universities within Andhra Pradesh and the other 50% of the students should be drawn from universities in other states in India. This may include students or teachers sponsored by other universities. If the required number of students from outside Andhra Pradesh are not available, the Centre should not be permitted to utilise the fellowships meant for them to the students coming from Andhra Pradesh Universities. The Committee would also like to recommend a sum of Rs.50,000 per annum for meeting its working expenses and contingencies including field work, publication travel etc. Thus the University Grants Commission may consider providing an annual maintenance grant of Rs.5.00 lakhs p.a. for the duration of the Fifth Plan period on the condition that this expenditure would be taken over by the State Government as a committed expenditure at the end of the Fifth Plan period i.e. 1978-79. The University should gradually accept the financial liabilities so that at the end of V Plan, it can take over the entire recurring expenditure and then ensure the working of the Centre in full strength and activities.

The Committee noted that the Centre for Exploration Geophysics has undertaken several contractual programmes

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which would bring to it a certain income. It would also be necessary for the Centre to appoint some additional staff for carrying out these contractual projects. Any income from these projects saved after meeting the necessary expenditure for carrying out projects should become available to the Centre for meeting its needs of development. Similarly the income coming from sale of books produced by the Centre should be utilised as a revolving fund to support further publications of the Centre. The authors could however be provided the usual royalty in accordance with the procedure followed by the University for such purposes.

The Committee feels that the other developmental needs of this Centre in future years should be made from (a) normal Fifth Plan development grants available to the Osmania University (it would appear that because of the special project funds, the university has not made available the normal share of Plan funds for this Centre. This Centre must receive its due share of the normal plan grants like any other university departments) (b) by way of support available for specific research programmes from the UGC, CSIR and other agencies and (c) by increasing its consultancy and contractual project work, without prejudice to its functions of teaching and research. The Committee however considers an item of expenditure as immediate and would therefore like to recommend a grant of Rs.10,000/- to enable the department to put up a structure for installing the three seismograph units which the Department of Geophysics obtained earlier under the Unesco Assistance Programme.

The Committee hopes that with the above continued support from the UGC for its maintenance purposes and the other development supports as suggested above, the Centre of Exploration Geophysics, Osmania University would be able to develop into a top level institution for serving the needs of the university system in India for training and research in exploration geophysics.

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Centre of Exploration, Geophysics, Osmania  
University, Hyderabad.

Statement of grants approved and paid to Centre  
of Exploration, Geophysics, Osmania University during  
Fourth Plan.

A. USSR Credit

	Grant approved (Figures in lakhs of Rupees)	Grant paid
Services of Experts	7.32	0
Equipment from USSR	25.00	0
Training Fellowships	2.45	0
	<u>34.77</u>	<u>28.06</u>

\*Paid to Ministry of Finance.

B. Expenditure in India in Rupees

(i) Non-Recurring

Laboratory Building	9.00	5.88
	Grants since revised to Rs.10.47)	
Hostel & Staff Qrs.	11.50	3.35
Books & Journals	1.75	1.55
Equipment (Indian)	4.55	4.30
Furnishing office & living accommodation for experts.	1.25	0.90
	<u>28.05</u>	<u>15.98</u>

(ii) Recurring

Teaching Staff.	5.88	1.70
Technical & Adm. Staff.	3.92	3.70
Studentship & Fellowships	4.17	2.20
Field work & contingency	1.87	1.70
Publications Seminar & Travel	0.93	0.50
Symposia	0.60	0.15
	<u>17.37</u>	<u>9.95</u>

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Additional items of expenditure in terms of contract.

Rupee expenditure on Soviet Experts.	3.27	1.70
Rupee expenditure on trainees.	2.23	1.40
Inland handling of equipment.	2.50	0.50
	<hr/> 8.00	<hr/> 3.60

Summary.

(A) USSR Credit	35.00	28.06
(b) Rupee Expenditure	53.40	29.53
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Total:	88.40	57.59

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Centre of Exploration, Geophysics, Osmania  
University, Hyderabad.

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List of important Laboratory experiments set up for the  
students training.

I. Gravity, Magnetic and Integrated Geophysics Division

1. Calibration of Gravimeter by tilt table method
2. Calibration of Gravimeter by height variation technique
3. Calibration of Gravimeter by known stations
4. Study of the effect of inclination on gravimeter
5. Drift Correction of gravimeter
6. Determination of densities by field gravity measurements.
7. Density measurements of porous and non porous rock samples by Samsanov's densitometer.
8. Calibration of (i) vertical intensity field balance (ii) horizontal intensity field balance (iii) torsion magnetometer.
9. Diurnal variation studies of field by magnetometers.
10. Susceptibility determinations in laboratory and field by IMV-2 susceptibility meter.

II. Seismic Division

1. Determination of electromechanical coupling coefficient of geophone.
2. Determination of geophone damping factor
3. Determination of geophone frequency response
4. Determination geophone resonance frequencies and resistance.
5. Checking for identity of geophones.
6. Determination of seismic amplifier amplitude response
7. Determination of seismic amplifiers
8. Determination of galvanometer damping factor
9. Determination of galvanometer frequency response.

III. Electrical and Electromagnetic Division:

Model experiments.

1. Resistivity profiling
2. Resistivity sounding
3. The charged body method (to locate an anomalous body)
4. The spontaneous polarization method
5. Underground loop and dipole induction techniques of low frequency induction method.

Acquaintance with circuitry and operation of

6. Potentiometer
7. Auto compensator
8. Electrical prospecting station

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9. Low frequency resistivity apparatus
10. Induced polarization equipment
11. Dipole induction profiling equipment

IV. Well-logging Division

1. Determination of constant of the surface resistivity meter and making use of its for determining the resistivities and muds.
2. Determination of constant of bore-hole resistivity meter and determination of resistivity of liquids.
3. Calibration and measurements of inclination and azimuth with the bore hole inclinometer.
4. Calibration and measurement of a caliper log
5. Measurement of temperature of liquids making use of bore hole thermometer.
6. Study of the thermometer sonde and determination of its temperature coefficient.

V. Radiometry and Nuclear geophysics division:

1. Study of counting characteristics of G.M. and scintillation counters.
2. Determination of Uranium and Radium contents in non-equilibrium ores by combined beta-gamma method.
3. Determination of Uranium and thorium in complex equilibrium ores by combined beta-gamma method.
4. Determination of densities of rock samples by gamma-absorption method.
5. Determination of concentration of heavy elements in ores by gamma-absorption method.
6. Determination of concentration of lead in ore samples by X-ray fluorescence, using simple integral measuring unit.
7. Calibration of portable scintillation radiometer and the determination of normal background.
8. Determination of natural background of a portable scintillation radiometer.



VI. Geophysical instrumentation and Electronics Division:

1. Construction and study of full-wave rectifier with L-C and R-C section filters by (a) Vacum double diode and (B) semi-conductor bridge.
2. Series and parallel resonance in electrical systems.
3. Accurate measurement of capacitance by Schering Bridge (AC Method).
4. Study of the principles involved in general purpose test instruments like (a) multi-function meter, (b) Oscilloscope, (c) Impedance Bridge, (d) Frequency Meter.
5. Study of characteristics of transistors.
6. Construction of RC-coupled amplifier and study of its gain-bandwidth response, (e) with and (b) with negative feed back.
7. Construction of LC Oscillator (Hartley type) and its frequency calibration.
8. Construction and design of Abstable Multivibrator Oscillator.
9. Construction of Video amplifier by high frequency compensation.
10. Construction and study of Mono-stable Multivibrator and its use as a divider of two.
11. Construction of RC oscillator and its frequency measurement.

VII. Applied Geology Division

1. Study of Minerals in hand specimens
2. Study of minerals under microscope
3. Study of rocks megascopically
4. Study of rocks under microscope
5. Study of crystal models
6. Study of polished ore section under ore microscope
7. Study of maps and interpretation
8. Structural geology problems
9. Microchemical test of ore minerals

VIII. Palaeomagnetism and Rock-magnetism Division

1. Measurement of NRM of rock samples by astatic magnetometer
2. Determination of magnetic susceptibility by using astatic magnetometer.

Centre of Exploration Geophysics, Osmania University,  
Hyderabad.

List of Books/Manuals (Manuscripts) prepared during  
1969-74 at the Centre of Exploration Geophysics.

S.No.	Title	Author(s)	Year	Form
1.	Theory and practice of Seismic Prospecting	MS Vijaya Raghava	1969	Cyclostyle
2.	Gravity Prospecting (in two volumes)	VS Mironov SM Varaprasada Rao	1970	Type script
3.	Electromagnetic methods of Geophysical prospecting	EM Kamenetsky and VLS Bhimasankaram.	1971	Misgeographed
4.	Introduction to Hydrology for Geophysicists	IK Gavitch	1971	Type script
5.	Instruction manual for laboratory practicals in Electrical Prospecting	RM Kamenetsky S Murali and IB Ramprasada Rao	1971	Type script
6.	Theory of probability & its application in Geophysics	AA Nikitin	<del>1971</del> 1972	Cyclostyle
7.	Theory of Elasticity	GA Soloviev	1972	Cyclostyle
8.	Introduction to the theory of fields.	VLS Bhimasankaram GA Soloviev SV Seshagiri Rao	1973	Printed
9.	Laboratory and field methods in Radiometry and Nuclear Geophysics	VLS Bhimasankaram EI Savenko N. Venkat Rao	1973	Cyclostyle
10.	Radiometric methods of Exploration	VLS Bhimasankaram	1974	Printed
11.	Principles of Nuclear Geophysics	VLS Bhimasankaram EI Savenko N Venkat Rao	1974	Type script

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APPENDIX -IV

Centre of Exploration, Geophysics, Osmania  
University, Hyderabad.

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List of equipment fabricated during 1969-1974  
in the Centre of Exploration, Geophysics

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<u>S.No.</u>	<u>Item</u>	<u>Number constructed</u>
1.	Low Frequency Resistivity meters	3 Generator Units 3 Measuring Units of which to pieces are sold to A.P. Ground Water Dept.
2.	Semi automatic well-logging equipment.	1
3.	Transient Pulse electro-magnetic equipment.	1
4.	Dipole induction profiling (focussing) equipment.	1
5.	Electrical Prospecting potentiometer.	1
6.	Water level indicators	2
7.	Resistivity Water for measuring resistivity of liquid and clay samples	1
8.	Portable astatic magnetometer	1
9.	Potential and gradient sondes for well-logging.	1

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UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated : 10th February, 1975

Item No. 19 To consider the recommendations made by the Standing Committee for the College Science Improvement Programme.

The Standing Committee for the College Science Improvement Programme met in the Commission's office on 7th December, 1974 to review the progress made in the implementation of the programme, to consider the inclusion of additional university departments and colleges under COSIP and other related matters. The Committee while reviewing the objectives, achievements and impact of the COSIP in respect of the University Leadership Projects and selected colleges observed that the implementation of the programme has helped the university departments and selected colleges to take up several activities thereby setting in motion a number of processes helping in the improvement of undergraduate science education. A copy of the minutes of the meeting is attached as Annexure.

The Committee made the following recommendations:

i) The U.L.P. Departments and selected colleges which have completed the first phase of their activities may be encouraged and assisted financially over the next two years to take up suitable follow-up activities. Proposals for this purpose may be invited from the concerned university departments and colleges, while inviting proposals for follow-up activities ULP's emphasis should be given for development of materials for production on a large scale and to introduce new curricula and examination reforms. In case of colleges follow-up proposals should give definite, indication and concrete plan for achieving autonomous status, inter-departmental programmes.

ii) The curriculum materials produced by ULPs and colleges may be brought together with the help of designated U.L.Ps. subject departments so that such materials should be produced on a large scale to be made available to the entire university system.

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(and courses of study, evaluation techniques

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- iii) The COSIP News letter should be made more effective to include information about the various activities and made available to all the colleges engaged in science programmes at the undergraduate level.
- iv) Links may be established between U.L.Ps in the region and the selected colleges participating in the COSIP.
- v) Regional conferences and workshops may be organised to bring together groups of colleges implementing COSIP for purposes of exchange of ideas, improvement of individual programmes and to make concerted efforts towards attaining autonomous status. A beginning may be made by organising such a Conference in the Southern Region either at Hyderabad or at Madurai.
- vi) The question of faculty-wise autonomy as well as groups of colleges joining together for purposes of forging academic autonomy could also be considered.
- vii) The Government Colleges invited to participate in the COSIP may be asked to give necessary assurance from the authorities concerned that stability of the staff committed to the programme would be ensured for the duration of the project.
- viii) Necessary incentives may be provided to students and teachers by devising suitable procedures to identify persons who have contributed substantially to the success of the various activities undertaken under COSIP.
- ix) A comprehensive publication may be brought out giving therein subjectwise details of the various activities undertaken by the U.L.Ps and colleges under COSIP which have contributed to improve science instruction.
- x) The list of items fabricated, the related manuals and list of experiments that could be undertaken, availability of such equipment for purchase by other institutions, should also be consolidated in the form of a booklet for use by all institutions.

xi) The U.L.Ps may be used as an effective mechanism for developing college facilities under the general programme of assistance to colleges, particularly in respect of smaller colleges and colleges in the backward areas.

The Committee also recommended that the following subject departments in the universities mentioned against each may be requested to formulate suitable proposals for undertaking U.L.Ps from 1975-76. These proposals could be examined and action taken to get these projects initiated from the academic year 1975-76:

- A PHYSICS
  - (i) University of Bangalore
  - (ii) " Bombay
  - (iii) " Gauhati
  - (iv) " Karnataka
  - (v) " Kurukshetra
  - (vi) " Madurai
  - (vii) " Meerut
  - (viii) " Ranchi
  - (ix) " Osmania
  - (x) " Calicut
  
- B CHEMISTRY
  - (i) " Bangalore
  - (ii) " Burdwan
  - (iii) " Gauhati
  - (iv) " Karnataka
  - (v) " Saugar
  - (vi) " Gujarat
  
- C BIOLOGICAL SCIENCES
  - (i) " Gorakhpur
  - (ii) " Mysore
  - (iii) " Sri Venkateswara
  - (iv) " Marathwada
  
- D MATHEMATICS
  - (i) " Jodhpur
  - (ii) " Gorakhpur
  - (iii) " Saugar
  - (iv) \* I. I. T. Kanpur jointly with Kanpur University

A suitable University Leadership Programme in Geology is suggested to be worked out on an inter-university basis in consultation with the Panel on Earth Sciences.

As regards the selection of additional colleges to participate in the COSIP from 1975-76, the Committee was

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of the view that 75 colleges may be identified in the first instance out of which at least 50 colleges could be approved for taking up the programme. The Committee felt that only those colleges which have an enrolment of at least 300 science students in three years B.Sc. course and 200 science students in two-year B.Sc. course could be considered for taking up the programme.

The matter is placed before the Commission.

EO. (SR)/

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\*SCC\*

Minutes of the meeting of the Standing Committee  
for the College Science Improvement Programme  
held on 7th December, 1974.

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A meeting of the Standing Committee for the College Science Improvement Programme was held on 7th December, 1974. The following were present:

- (1) Professor Satish Chandra,  
Vice-Chairman,  
University Grants Commission
- (2) Professor B.M. Udgaonkar,  
Tata Institute of Fundamental Research,  
Bombay.
- (3) Professor B.R. Rao,  
Andhra University,  
Waltair.
- (4) Professor S. Krishnaswamy,  
Madurai University,  
Madurai.
- (5) Professor J.N. Kapur,  
Indian Institute of Technology,  
Kanpur.
- (6) Dr. D. Shankar Narayan,  
Additional Secretary,  
University Grants Commission.

Professor H.J. Arnikar and Fr. Casimir, who were out of India, were unable to attend the meeting. Professor M. Santappa, Dr. H. Narasimhaiah and Dr. R.S. Mathur could not attend the meeting.

The Committee noted the action taken on the recommendations made by it at its meeting held on 14th April, 1973. It then reviewed the progress in the implementation of the programme upto date and also in the matter of evaluation of the work done in the University Leadership Projects and the Selected Colleges Programme which had completed the initial phase of the first three years. The Committee was informed that in these cases the Commission had agreed for extension of their programmes upto March 1975 within the grants already approved and until such time the follow-up activities could be initiated with additional grants provided for the purpose.



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In the general discussion that followed, the members reviewed the objectives, achievements and impact of the College Science Improvement Programme in respect of the University Leadership Projects and also the Selected Colleges activities.

The Committee noted that, for several reasons, it had not been possible for the different regional committees to visit all the colleges which had completed the first phase of three years and make reports on the progress achieved and impact made on the improvement of science instruction in these colleges. However, the Western Regional Committee of which Professor Udgaonkar was the Convener, had been able to visit the COSIP colleges under the Bombay and Poona Universities. A few colleges have also been visited in the Northern Region also. The visits and the discussions with the staff and students of the colleges visited by the Western Regional Committee had substantially indicated that the various activities and programmes undertaken by these colleges had brought about some new dimensions of value and set in motion several processes helping in the improvement of undergraduate science education in these colleges. It had also clearly demonstrated that given due motivation and encouragement, it was possible for these colleges to take up innovative programmes in a serious way, despite the existing constraints of affiliation to the university, university prescribed syllabi and university conducted annual examinations. These latter factors, no doubt, imposed certain limitations to the movement in the direction of change and reform. Nevertheless, their achievements and the process were important factors helping the colleges towards achieving autonomy, which in effect, is the long term goal of most of these institutions. The Committee, therefore, was of the view that these colleges would be able to bring about far more changes of considerable significance if they enjoyed academic freedom and autonomous status as envisaged by the Commission.

The positive aspects of benefits of the programmes taken up by the selected colleges included: (i) attempts at fundamental renewal of their programmes of science instruction to undergraduate students with imagination and creative effort; (ii) changes in instructional methods and introduction of new teaching methods involving student participation, awareness of applications of science to live problems of local environment, adoption of new teaching technology and to some extent reorientation of the staff and students attitudes towards evaluation and annual examinations; (iii) introduce elements of modernisation and enable students to think and explore and discover the implications of science, outside the classroom

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instruction (iv) to do in a better way the science teaching by opening out the full implications of the prescribed syllabi and identification of the relevant dimensions; (v) to enable students to participate in discussions, seminars and useful project work; (vi) to introduce new laboratory experiments, workshop practice; (vii) to produce teaching materials and finally wherever possible, (viii) to provide opportunities for improving their competence by attending refresher courses etc., and (ix) to bring about inter-disciplinary interaction and to some extent integration in the teaching of biological sciences.

Some of the difficulties experienced by the colleges included: (i) lack of sufficient interest on part of some of the staff members in the new activities initiated under COSIP, (ii) frequent transfers and resulting instability of committed staff particularly in respect of government colleges, (iii) lack of incentives to teachers and students who have ably contributed to the success of the COSIP; and (iv) inadequate interaction and opportunities for exchange of views amongst the participating colleges and the university departments (ULPs) within a university or a region.

In the case of the University Leadership Projects, the progress achieved and the impact as well had been substantial, as was evident from the reports of the committees and the comprehensive reports available. The important activities undertaken by the universities under the University Leadership Projects were generally directed towards the following:

(a) An assessment of the existing syllabi and courses of study, methods of instruction, physical facilities available and methods of evaluation jointly by the staff of the University department and the staff of the college department in the subject concerned;

(b) Preparation and adopting of revised courses of study along with the revised lists of laboratory experiments and the optimum facilities of equipment required for laboratory work; also demonstration experiments in the classroom.

(c) Bringing up the library facilities to the required level for supporting the new instructional programmes introduced under the scheme;

(d) Preparation of curriculum materials including textbooks, syllabi 'blow-up', teachers' guides and laboratory manuals;

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(e) Development of workshop facilities and introduce students to workshop practice and an effort towards making some of the practical work to be workshop based;

(f) Training of college teachers by various short-term courses as required, teacher fellowships, academic year institutes etc. The main emphasis in the matter of improving the teachers effectiveness is by enabling them to take into the actual class room situation, their training in new methods of teaching, demonstration and also project work;

(g) Make available to the college teachers facilities in the university department for participation in research, teaching, seminars and also in curriculum development activities;

(h) Establish viable channels of communication between the university departmental faculty and the college department faculty. The net-work of information flow both ways, by coordinated methods and making available the services of university staff to help teachers in the colleges to overcome some of the difficulties experienced by them in class room or laboratory situations. These included visits by university faculty to some of the college departments for purposes demonstration teaching as well, and

(i) Coordinate with other University Leadership Projects in that subject for development of curriculum materials, fabrication and design of equipment required to support new experiments and preparation of teaching aids and also dissemination of information.

The evaluation reports of the ULPs indicate that the university departments have been able to achieve these objectives in a substantial way although the emphasis on individual items may vary amongst the different University Leadership Projects and the subjects involved. The ULPs have produced considerable curriculum materials, textbooks, laboratory manuals, new items of equipment and laboratory experiments required for better undergraduate instruction, demonstration aids etc., which could be used by larger number of universities.

On the basis of the general discussion and the brief presentation of the reports by some of the members who were also responsible for the University Leadership Projects, the Committee made the following recommendations for further effective implementation of the College Science Improvement Programme:

(1) The ULP Departments and the Selected Colleges which have successfully completed the first phase of their

activities may be encouraged and assisted financially over the next two years to take up suitable follow-up activities so that the processes and efforts initiated in the first phase could be properly consolidated. Proposals for this purpose may be invited from such institutions latest by end of January, 1975 and decisions on these proposals be taken before end of March, 1975 so that the follow-up activities could be initiated by these departments with effect from 1975-76.

(2) Both ULPs and the Selected Colleges have been able to produce curriculum materials and have also taken up a number of students-and-teacher based projects. The materials so developed could be brought together with the help of designated ULP subject departments so that such materials could be produced on a large scale to be made available to the entire university system. The question of production of equipment and text materials could be taken by the ULP departments themselves wherever possible, or entrusted or farmed out to small scale industries or could be taken up by the Science Education Development Centres proposed to be developed in the Fifth Plan.

(3) The COSIP Newsletter should be made more effective to include information about the various activities and made available to all the colleges engaged in science programmes at the undergraduate level;

(4) Links may be established between ULPs in the region and the selected colleges participating in the COSIP. In fact, besides the Coordinators of the University Leadership Projects, some of the members of the Standing Committee could be associated with the work of coordination of work of the COSIP colleges and the University Leadership Projects in their subjects in different regions.

(5) Regional conferences and workshops may be organised to bring together groups of colleges implementing COSIP for purposes of exchange of ideas, improvement of individual programmes and make concerted efforts towards attaining autonomous status. A beginning may be made by organising such a Regional Conference in the Southern Region either at Hyderabad or Madurai by bringing together the different ULPs and the COSIP colleges. A few selected non-COSIP colleges may also be invited to attend these workshops. Similar conferences in other regions could be organised on the basis of the experience and outcome of this first conference.

(6) The question of facultywise autonomy as well as groups of colleges joining together for purposes of forging academic autonomy could also be considered.

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(7) In the case of the Government Colleges invited to participate in the COSIP, necessary assurance should be obtained from the authorities concerned that stability of the staff committed to the programme would be ensured for the duration of the project.

(8) Necessary incentives may be provided to students and teachers by devising suitable procedures to identify persons who have contributed substantially to the success of the various activities undertaken under COSIP. The participating colleges may be requested to identify purposes for which such awards could be made to teachers and students. One of the incentives to be given to the teachers could be by way of a travel fellowship to enable them to visit some COSIP colleges which have successfully introduced innovative programme of science education. The colleges could also be encouraged to give merit certificates to the outstanding students and teachers who have contributed to the success of the COSIP.

(9) In view of the substantial work done during the past three years both under ULP and under selected colleges part of the COSIP, it would be desirable to bring out a comprehensive publication giving details, subjectwise, of the various activities which have contributed to improve science instruction. Such a booklet would serve as a useful guide for the new colleges which may be invited to participate in the programmes in future years. The various research projects undertaken by the students and the teachers may be grouped subjectwise and suitable booklets brought out for guidance to other colleges.

(10) The list of items fabricated, the related manuals and list of experiments that could be undertaken, availability of such equipment for purchase by other institutions, should also be consolidated in the form of a booklet for use by all institutions.

(11) Since the ULP part of the COSIP would be substantially expanded in the Vth Plan period, particularly with a view to providing opportunities for faculty improvements also, the advice of the existing ULPs in design of the new ULPs with greater emphasis on faculty improvement would be useful. The ULP may also be used as an effective mechanism for developing college facilities under the general programme of assistance to colleges, particularly in respect of smaller colleges and colleges in the backward areas.

(12) The Committee recommended that the following subject departments in the universities mentioned against each may be requested to formulate suitable proposals for undertaking University Leadership Projects from 1975-76.

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These proposals could be examined and action taken to get several of these projects initiated from the academic year 1975-76:

- (A) Physics:
  - (i) University of Bangalore
  - (ii) " Bombay
  - (iii) " Gauhati
  - (iv) " Karnatak
  - (v) " Kurukshetra
  - (vi) " Madurai
  - (vii) " Meerut
  - (viii) " Ranchi
  - (ix) " Osmania
  - (x) " Calicut
  
- (B) Chemistry:
  - (i) " Bangalore
  - (ii) " Burdwan
  - (iii) " Gauhati
  - (iv) " Karnataka
  - (v) " Saugar
  - (vi) " Gujarat
  
- (C) Biological Sciences:
  - (i) " Gorakhpur
  - (ii) " Mysore
  - (iii) " Sri Venkateswara
  - (iv) " Mathwada

The Universities of Patna and Calcutta already selected for Botany and Zoology may be requested to develop integrated programme for ULP in Biological Sciences.

- (D) Mathematics:
  - (i) University of Jodhpur
  - (ii) " Gorakhpur
  - (iii) " Saugar
  - (iv) I.I.T. Kanpur, jointly with University of Kanpur.

In the case of the Earth Sciences, since the number of departments providing undergraduate instruction in Geology is limited, a suitable university leadership programme may have to be worked out on an inter-university basis and in consultation with the Panel on Earth Sciences.

The Committee then considered the proposals before it for selection of additional colleges to be invited to participate under the Selected Colleges Programme of the COSIP from 1975-76. The Committee was of the view that it should be possible to identify about 75 such colleges so that the proposals of at least 50 colleges could be accepted and necessary funds provided for implementation.

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It was felt that as a general guideline, only the colleges which have an enrolment of at least 300 science students in three years B.Sc. course and 200 science students in two-year B.Sc. course be considered for the purpose. The Committee desired that a list of such colleges giving information with regard to student enrolment in B.Sc. classes, subjects taught, strength of staff, examination results may be prepared by the office. In the matter of selection of these colleges, care should be taken that the COSIP colleges are spread out fairly uniformly in the different regions of the country.

The Committee felt that while inviting proposals for follow-up activities to be taken up by the University Leadership Projects which have completed the first phase of implementation, the following may be kept in view:

- (i) Emphasis should be given for development of materials and bringing such materials for production on a large scale.
- (ii) The new curricula and courses of study as well as the evaluation techniques and examination reforms should be introduced in the subject concerned during the follow-up period. For this purpose, it would be necessary for the University concerned to give an undertaking to implement effectively the changes proposed by the subject department concerned; on the basis of experience gained through ULP in past 3 years.
- (iii) In the case of the colleges follow-up proposals, the specific activities proposed should not only aim at consolidation of the various activities already initiated but should give definite indication and concrete plan towards achieving autonomous status. These should include proposals also for inter-departmental programmes, integration of biological sciences departments and inter-institutional activities in cooperation with other COSIP colleges. It should also include specific programmes towards faculty improvement programmes to be initiated by the University Grants Commission.

The Committee felt that the visits to several colleges and to some of the university leadership projects which could not be taken up so far, could be resumed after receipt of the proposals for follow-up activities so that the various proposals for follow-up suggested by those institutions could be discussed on the basis of the evaluation of the work done so far. The exact duration of the follow-up activities and the extent of assistance to be provided could be decided on the basis of these visits and discussions and in relation to the activities to be taken by different institutions.

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated : 10th February '75

- Item No. 20 To consider further the report of the Visiting Committee appointed to review the progress and requirement of funds for the Water Resources Development Training Centre, Roorkee University.

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The University Grants Commission at its meeting held on 8th July, 1974 considered the report of the Visiting Committee appointed to review the progress and requirement of funds for the Water Resources Development Training Centre. The Commission agreed that the ceiling of the recurring grant payable to Roorkee University for the maintenance of Water Resources Development Training Centre may be raised to Rs.7.45 lakhs per annum during 1974-75 and desired that since the assistance for the Centre had been provided for a considerably long period, the Government of India may be approached to treat this as committed expenditure. The Commission was also of the view that this was a fit case where collaboration between the U.G.C. and the Department of Science and Technology could be explored. It was, therefore, agreed that the report of the Visiting Committee may be referred to the Department of Science and Technology with the request that the funds may be provided by it for the development of the Centre.

The Department of Science & Technology was approached to provide necessary developmental grants to Roorkee University for the development of Water Resources Development Training Centre during the plan period. The Department has indicated that it is not in a position to provide any outright direct grant for the development of the W.R.D.T. Centre at the Roorkee University, in view of the fact that it has no scheme for providing direct grants for development of Centres like the W.R.D.T.C. since such institutions are formally under the purview of the Ministry of Education. The Department has, however, stated that any specific proposals for the W.R.D.T.C. could be given due consideration under the Department's Five Year Plan scheme of support for science and Engineering Research or Environmental Research as soon as the details of its research support schemes are finalized. A copy of the letter dated 20th November, 1974 received from Department of Science & Technology is at Annexure.

It is for consideration whether the University Grants Commission may take up the development requirements of the Centre during the Vth Five Year Plan.



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Copy of D.O. letter dated 20th November, 1974 from Dr. RD Deshpande, Director (IS&T) Department of Science & Technology, New Delhi addressed to Shri R.K. Chhabra, Secretary, UGC, New Delhi.

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Please refer to your letter No.F.22-1/66T(CET) dated 19th August, 1974, addressed to Dr. A. Ramachandran, Secretary, DST, regarding financial support for development of Water Resources Development Training Centre at the Roorkee University.

As you know, the Department of Science and Technology has no scheme for providing direct grants for development of UGC Centres like the WRDTC since such institutions are formally under the purview of the Ministry of Education. This does not, of course, preclude consideration of any specific individual research programmes of the Centre under the Departments' Fifth Five Year Plan Scheme of support for Science and Engineering Research or Environmental Research as may be appropriate. If any such specific research proposals are received from the WRDTC, those will be given due consideration as soon as the details of our research support schemes are finalised. The Department of Science and Technology, is, therefore, not in a position to provide any outright direct grant for the development of the UGC Centre at the Roorkee University.

With kind regards,

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated : 10th February, 1975

- Item No. 21 To consider the proposal of the Delhi University for permission to start the construction of extension to the Library building for the Department of Business and Industrial Management.

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The U.G.C. Visiting Committee which assessed the requirements of the Delhi University for development of P.G. courses in Business Management and Industrial Administration, during the IVth Five Year Plan recommended, inter-alia additional space for library (4000 sq.ft.) with provision for books and journals. The Plans and Estimates for the construction of building were examined and approved by the C.P.W.D. at a total cost of Rs.2,74,860/-. The University is not in a position to take up the work in view of the ban on construction of buildings.

It may be stated here that as decided by the Commission at its meeting held on 8.7.1974 (vide item No.19) the question of exempting certain University buildings from the purview of this ban on construction of building has been taken up with Government of India and the decision of the Government on the matter is awaited. In the meantime, the Delhi University has represented that it is facing an acute problems for want of space. At present a few classrooms are being utilised as Library and University is feeling short of accommodation both for classrooms and office. Several complaints have also been received by the University from the students who feel cramped in the present rooms used as library as these rooms are inadequate to cater to the students and staff of the department of Business Management. The University has, therefore, stressed the need for completing this building before the next academic course.

It is for consideration if the Delhi University may be permitted to start the work on the Library building for the department of Business Management as a special case.

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

(137)

Meeting:

Dated: 10th February, 1975

Item No. 22: To consider the recommendation made by the Law Panel for equating LL.M. with the M. Phil course for purposes of award of scholarships.

.....

The University Grants Commission, at its meeting held on 9th and 10th December, 1974 considered the recommendation made by the Law Panel that LL.M. education should be offered to whole time students only and that this facility should not be available to part-time students. Whole time LL.M. students should be provided with adequate financial assistance and for this purpose, the panel recommended this course should be equated with the M.Phil course. The Commission desired that this question may be considered after qualifications of Lecturers consequent on the revision of salary scales have been considered by the Commission.

The University Grants Commission, at its meeting held on 24th November, 1974 considered the recommendation of the Committee regarding minimum qualifications for recruitment to the post of Lecturers in the Universities and Colleges consequent upon the revision of scales of pay of teachers in the Universities and Colleges and agreed to prescribe the following qualifications:-

University Lecturers:

- (a) A doctor's degree or equivalent published work of high standard; and
- (b) Consistently good academic record with 1st or high 2nd class (B+) Master's degree in a relevant subject or an equivalent degree of a foreign university.

Having regard to the need for developing inter-disciplinary programmes, the degrees in (a) and (b) may be in relevant subjects.

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Provided that if the Selection Committee is of the view that the research work of a candidate as evident either from his thesis or from his published work is of a very high standard it may relax any of the qualification prescribed in (b) above.

Provided further that if a candidate possessing a doctor's degree or equivalent published work, is not available or not considered suitable, a person possessing a consistently good academic record, weightage being given to M.Phil, or equivalent degree or published research work of quality, may be appointed on the condition that he will have to obtain a doctor's degree or give evidence of equivalent published work of high standard within five years of his appointment failing which he will not be able to earn future increments, until he fulfills these requirements.

College Lecturers:

- (a) A consistently good academic record with 1st or high 2nd class (B+) at the Master's degree in a relevant subject or an equivalent degree of a foreign university; and
- (b) An M.Phil degree or a recognised degree beyond the Master's level or published work indicating the capacity of a candidate for independent research work.

Provided that if a candidate possessing the qualifications as at (b) above is not available or not considered suitable, the college, on the recommendations of the Selection Committee, may appoint a person possessing a consistently good academic record on the condition that he will have to obtain an M.Phil. degree or a recognised degree beyond the Master's level within five years of his appointment, failing which he will not be able to earn future increments till he obtains that degree or gives evidence of equivalent published work of high standard.

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The value of Junior Research Fellowship given by the University Grants Commission to the Research Scholars for their post M.A./M.Sc. research is Rs.400/-p.m. while the value of scholarship given for M.A. studies in Arabic/Persian/Sanskrit is Rs.1800/-p.a.

The recommendation of the Law Panel for equating LL.M. course with the M.Phil course for purposes of award of scholarships is placed before the Commission for consideration.

EO (FR)/JS(I)

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated: 10th February, 1975

Item No. 23: To receive the minutes of the First Meeting of the Editorial Committee of the University Grants Commission "Journal of Higher Education" held on 6th December, 1974.

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The First Meeting of the Editorial Committee of the University Grants Commission "Journal of Higher Education" was held in the office of the Commission on 6th December, 1974 to consider (a) the editorial policy and guidelines, (b) appointment of an Editor, (c) Pricing of the publication and (d) token payment to the authors for the articles and book reviews. The minutes of the meeting is attached (Annexure). The main recommendations/observations of the Committee were as under:-

1. Editorial Policy and Guidelines:

There should be three sections in the Journal. (i) A section dealing with articles on development schemes, policies and projects of University Grants Commission, (ii) a section on documentation and book reviews and (iii) a section on information news. The first section will include articles or short communications from the academic community covering well thought out and reasoned criticisms in the form of discussion on the University Grants Commission policies and schemes. This will function as a means of feed back to the Commission, thereby making University Grants Commission responsible to its programmes. The section on documentation should cover important reports of the University Grants Commission and also documents of relevance from outside the country which have a direct bearing on development of higher education in the country.

The Journal should deal with higher education as a whole covering various aspects of university education and intersectoral activity between higher education and engineering, medical education, agricultural education etc. It was decided that the objectives and policies for the Journal should be spelt out in the editorial of the first issue of the Journal.

P.T.O.

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2. Appointment of an Editor:

The Editorial Committee felt that there should be an Editor who will be responsible for the editing of the Journal and that he should preferably be an academician of standing from one of the educational institutions in Delhi and be able to spare 10 to 15 per cent of his time for the work of the Journal. There should also be an Assistant Editor who will be an employee of the Commission and who will be responsible for the printing etc. of the Journal.

3. Honorarium to the Authors:

The Committee felt that there can be a token payment to the authors for the articles and book reviews published in the Journal. This will sustain interest among the contributors for the Journal.

4. Pricing of the Journal:

It was also agreed that the Journal should be priced but one copy each of the Journal may be distributed free to all the colleges and universities covered by the U.G.C. Act.

The matter is placed before the Commission for information.

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'CHUGH'

Minutes of the First Meeting of the Editorial Committee of the U.G.C. "Journal of Higher Education" held on 6th December, 1974.

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The first meeting of the Editorial Committee of the UGC Journal on Higher Education was held in the office of the Commission on the 6th December, 1974.

The following were present:-

- |                           |                                 |
|---------------------------|---------------------------------|
| Professor Satish Chandra  | Vice-Chairman<br>(in the chair) |
| Professor R. Rath         | Member                          |
| Professor Suresh Shukla   | Member                          |
| Professor S. Krishnaswamy | Member                          |
| Shri R.K. Chhabra         | Secretary, U.G.C.               |
| Dr. D. Shankar Narayan    | Additional Secretary            |
| Shri V. Appa Rao          | Publication Officer             |

Professor Rais Ahmed, Professor M. Santappa and Professor Tapas Mazumdar could not attend the meeting.

Welcoming the members, the Vice-Chairman briefly reviewed the action taken so far for examining the possibility of bringing out a Journal on Higher Education and referred to the earlier Committee set up under the chairmanship of Dr. George Jacob (see appendix).

The Committee then took up for consideration the following two issues relating to the Journal viz.

- a) Editorial Policy and guidelines
- b) Appointment of an Executive Editor

The main conclusions arrived at are as under:-

Editorial Policy and Guidelines:

- 1. The Journal should have two main objectives viz.



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- a) New ideas and thinking originating from the Commission can be placed before the academic community for discussion through the journal.
- b) Articles/short communications from the academic community covering well thought out and reasoned criticisms in the form of discussion on the UGC policies and schemas can be published in the Journal. This will function as a means of feed back to the Commission, thereby making UGC responsible to its programmes.
2. The Journal should deal with higher education as a whole covering various aspects of university education and intersectoral activity between higher education and engineering education, medical education, agricultural education etc.
3. The Journal should give priority to articles on development schemes, policies and projects of the University Grants Commission.
4. The Journal should also have a section on documentation and book reviews. Documentation should cover important reports of the University Grants Commission and also documents of relevance from outside the country which have a direct bearing on development of higher education in the country.
5. The Journal should also have information of value to the academic community in the country.
6. The objectives and policies of the Journal should be spelt out in the editorial of the first issue of the Journal which should be issued latest by 1st July, 1975. The possibility of bringing out an issue in March, 1975 may be explored. The Committee decided that this Editorial may be written by the Vice-Chairman.

Appointment of an Executive Editor and nature of his duties:-

The Editorial Committee considered the nature of duties to be performed by the Editor of the Journal and felt that there should be an Editor who will be responsible for the editing of the Journal and an Executive Editor/Assistant Editor or Publication Officer as may be required who will be responsible for the printing etc. of the Journal. The Editor should preferably be an academician.

of standing and should be interested in the modern trends of development in higher education. He should be from one of the institutions in Delhi and be able to spare ten to fifteen percent of his time for the work of the Journal. It was agreed that the members of the Editorial Committee may in their individual capacity suggest the names of suitable candidates for the post to the Vice-Chairman shortly. The terms and conditions under which the services of the editor can be secured may be negotiated after the editor is selected by the Vice-Chairman.

Other Issues relating to the Publication of the Journal:

The members felt that there can be a token payment to the authors for the articles published in the Journal. This will sustain interest among the contributors for the Journal. It was agreed that the details of this can be discussed in one of the later meetings of the Editorial Committee. The Editorial Committee also agreed that the Journal should be priced but one copy each of the Journal may be distributed free to all the colleges and universities covered by the UGC Act.

Next Meeting of the Committee:

The Editorial Committee will have its next meeting as soon as the editor has been appointed for appraising him of the policies and guidelines of the UGC Journal. It was also agreed that in general the Editorial Committee can have two meetings a year.

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'CHUGH'

Report on the Planning Committee for the UGC Journal.

The University Grants Commission constituted in December, 1973 a committee consisting of the following persons to study the possibility of bringing out a journal on Higher Education:-

Dr. George Jacob	Chairman
Professor Satish Chandra	Vice-Chairman
Professor Rais Ahmed	Member
Professor Tapas Mazumdar	Member
Professor Surash Shukla	Member
Dr. Amrik Singh	Member
Shri R.K. Chhabra	Secretary
Dr. D. Shankar Narayan	Additional Secretary

The Committee had three sittings viz. on 12th December 1973, 3rd January, 1974 and 7th August, 1974. The Committee felt that the Journal has to function as an effective channel for communication between University Grants Commission at the policy and decision making level and the academic community at the implementation level with regard to the various schemes of the Commission.

Objectives:

The following two objectives of the Journal were agreed to by the members of the Committee:

- i) New ideas and thinking originating from the Commission can be placed before the academic community for discussion through the journal.
- ii) Articles/short communications from the academic community covering well thought out and reasoned criticisms in the form of discussion on the University Grants Commission policies and schemes can be published in the Journal. This will function as a means of feed back to the Commission, thereby making University Grants Commission responsible to its programmes.

Guidelines for the Journal:

The following guidelines for the Journal were generally agreed to by the Committee:-

1. The Journal should deal with higher education as a whole covering various aspects of university education, engineering education, medical education, agricultural education etc.

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2. The Journal should give priority to articles on development schemes, policies and projects of the University Grants Commission.
3. The Journal should also have news value to sustain interest among the readers and to attract wider readership from the academic community in the country.
4. In the first instance the journal should be taken up as a three year experimental project.
5. To start with the journal may have three or four issues a year.

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated: 10th February, 1975

Item No. 24: To consider the report of the Expert Committee appointed by the University Grants Commission to examine the proposals of the Mysore University for development of postgraduate courses at the University Postgraduate Centre at Shimoga, during the Fifth Five Year Plan period.

.....

The University Grants Commission appointed an Expert Committee to examine the proposal of the Mysore University for development of postgraduate courses at the University Postgraduate Centre at Shimoga and to make recommendations regarding the subjects of study to be organised and the financial assistance to be provided for the purpose from the University Grants Commission and the State Government of Karnataka during the Fifth Five Year Plan period. An Expert Committee consisting of Dr. F. C. Naik of the Cleanfoods Corporation Ltd., Professor Gautam Mathur, Osmania University, Professor M.N. Srinivas, Bangalore, Dr. C.C. Patel, Indian Institute of Science, Professor M. R. N. Prasad, Delhi University and Dr. D. Shankar Narayan of the University Grants Commission visited the university and the proposed site at Shimoga from 17 to 19th October, 1974. A copy of the report may be seen at ANNEXURE.

The main observations/recommendations of the Committee are as below:-

- 1) It was noted that the University Grants Commission on the basis of recommendations made by the Standing Committee for New Universities and postgraduate centres has already agreed that a university centre for postgraduate studies at Shimoga be established and the present Committee was constituted to examine the details regarding the courses of studies to be developed at the Centre alongwith its financial implications for the Fifth Plan period.

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(2) The postgraduate centre at Shimoga will meet the educational needs of postgraduate studies mainly of the students from four districts, namely, Shimoga, Chitradurga, Chikamagalur and Hassan which account for 37 colleges - 27 Arts, Science and Commerce, 2 Engineering, 1 Medical, 2 Law and 5 Education and serve an undergraduate student population of about 25,000. The Centre also will have a feeder group of nearly 44 junior colleges and 320 Higher Secondary Schools.

(3) The Centre has immense possibilities to take up postgraduate courses in selected subjects of local and regional importance and relevance and the area has a vast industrial net-work which utilises the natural resources of the area. Specialised research institutes like the Central Coffee Research Institute and the Cardamom Research Station as also industries like Iron and Steel, Cement, Paper and Pulp industries, vegetable oils, Textile and Sugar factories are also functioning in and around neighbouring areas of Shimoga.

The Committee was, therefore, fully convinced about the need for a postgraduate Centre at Shimoga, and was of the opinion that expansion of postgraduate facilities should not be in the nature of a mere linear expansion to provide for opportunities for a larger number of students to pursue "traditional" courses of study or to repeat the courses offered in the main campus of the university.

(4) Such new Centres should have freedom and autonomy to design and introduce new specialisations with considerable inter-disciplinary content and approach and also to introduce new methods of instruction and evaluation.

(5) While the proposed site for the Centre would meet the requirements of land for the postgraduate Centre, the Committee felt that it would be an advantage for the Centre if it could acquire through the State Government, an area of equal dimension near the township of the Bhadra Reservoir Project which is fairly well developed with all civic amenities.

(6) It was noted that the university had already started M.A. classes in Kannada and Economics as also M.Sc. course in Industrial Chemistry at the Centre. The university has proposed to start postgraduate courses in Kannada, Economics, Commerce, Mathematics, Industrial Chemistry, Environmental Sciences and Geography.

(7) It was indicated at the discussions by the Committee that the type of courses should be so designed that the students when initiated into a chosen area of specialisation would increase their employability in the relevant industries etc., but at the same time would not diminish to any extent their chances of gainful employment in traditional areas of teaching, governmental service etc.

(8) The number of students to be enrolled should be carefully decided keeping in view the quality of eligible students, manpower needs and employment opportunities open to them.

(9) In the case of the M.Sc. course in Industrial Chemistry already started, the Committee suggested that instead of offering M.Sc. in Industrial Chemistry the university should offer an M.Sc. course in Chemistry with specialisation in Industrial Chemistry.

(10) For the postgraduate course in Environmental Sciences, the Committee suggested that it should have a bias towards biological sciences and the intake limited to about 15 students, initially.

(11) The postgraduate course in Mathematics, may be so designed as to introduce the students to some areas of applied mathematics of industrial relevance and also bio-metric so that it would be an advantage for students taking M.Sc. Chemistry with specialisation in Industrial Chemistry as also students admitted to Environmental Sciences course.

(12) For the postgraduate course in Economics an inter-disciplinary course covering the fundamental aspects of Economics and training in problems related to regional growth and development have been suggested by the Committee.

(13) The Centre should make use of the specialised laboratory and plant facilities available in the concerned industries, particularly in the Iron and Steel Works, Paper Factory, Cement Factory at Bhadravati.

(14) The Centre should invite experts from these industries for participating in teaching work and also guide students in project work.

As for the staff, equipment, books and journals, buildings, workshop and other facilities, the recommendations made have the following implications:-

I. Recurring (For the Fifth Plan Period)

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(Academic Staff and other staff)

<u>From 1974-75:</u>	(a) Chemistry	1 P 2 R 3 L 2 Others
(I Stage)	(b) Economics	1 P 1 R 2 L 1 Statistical Assistant
	(c) Kannada	1 P 1 R 2 L 1 Field Survey Assistant
	(d) Library	1 Assistant Librarian and 2 Semi-professional Assistants.
<u>From 1975-76:</u>	(a) Environmental Science.	1 P 2 R 3 L 2 Others
(II stage)	(b) Mathematics	1 P 1 R 3 L
	(c) Workshop staff.	3 persons

II. Non-Recurring:

1. Scientific Equipment	Rs. 3,50,000	
2. Library Books & Journals	Rs. 3,00,000	
3. Workshop Shed & Equipment	Rs. 1,00,000	
4. Mini Bus	<u>Rs. 50,000</u>	Rs. 8,00,000
5. Academic Buildings including library		Rs. 20,00,000
6. Students Hostels (2)		Rs. 4,50,000
7. Staff Quarters (10)		Rs. 5,00,000

Total N.R. Rs. 37,50,000

III. Total Requiring: (1974-79) (4 years approximately)

(Salaries on 5 Professors, 7 Readers, 13 Lecturers 12 Others:  
Estimated expenditure: Rs. 4.0 lakhs p.a.)

R. Total 16 lakhs, UGC Share: 12 lakhs.

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		<u>UCC Share</u>	
IV. Total N.R.	(a) Building	Rs. 20.00 lakhs	(50%) Rs. 10.00 lakhs
	Hostels	Rs. 4.50 "	(50% & 75%) Rs. 2.65 "
	Staff Qrs.	Rs. 5.00 "	(50%) Rs. 2.50 "
	(b) Equipment	Rs. 5.00 "	(100%) Rs. 5.00 "
	(c) Books & Journals	Rs. 3.00 "	(100%) Rs. 3.00 "
		<hr/>	<hr/>
		Rs. 37.50 lakhs	Rs. 23.15 lakhs
		<hr/>	<hr/>

Total UCC Share  
for Fifth Plan About Rs. 35 lakhs

The matter is placed before the Commission for consideration.

MP(CP)/Adml. Secretary

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(CHUGF)

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ANNEXURE TO ITEM NO. 24

Report of the Expert Committee appointed by the University Grants Commission to examine the proposal of the University of Mysore for development of postgraduate courses at the University Postgraduate Centre at Shimoga.

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The University Grants Commission appointed an Expert Committee consisting of the following persons to examine the proposal of the University of Mysore for development of its University Centre for Postgraduate Studies at Shimoga and make recommendations regarding the subjects of study to be developed and the financial assistance that may be required for the purpose from the University Grants Commission and the State Government of Karnataka during the Fifth Plan period:-

1. Dr. K.S. Wolk,  
Technical Director,  
Clearoods Corporation Ltd.,  
Bangalore.
2. Dr. Gautam Mathur,  
Department of Economics,  
Osmania University,  
Hyderabad.
3. Professor M.N. Srinivas,  
Institute for Socio-Economic Changes,  
Bangalore.
4. Dr. C.C. Patel,  
Department of General Chemistry,  
Indian Institute of Science,  
Bangalore.
5. Professor M.R.N. Prasad,  
Department of Zoology,  
Delhi University,  
Delhi.
6. Dr. D. Shankar Narayan,  
Additional Secretary,  
University Grants Commission.

The Committee visited the University from 17th to 19th October, 1974. Professor Srinivas and Professor Prasad could not join the Committee. Some members of the

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Committee had an initial meeting at Bangalore with Dr. K.C. Naik before proceeding to Shimoga, the location of the Postgraduate Centre.

The University Grants Commission in September 1973 and later in June 1974, accepted the recommendations of its Standing Committee for New Universities and Postgraduate Centres and agreed, on the basis of the information and the project report made available by the University of Mysore, that the University of Mysore may establish a University Centre for Postgraduate Studies at Shimoga. The Commission noted that the University of Mysore had followed a policy of developing facilities for postgraduate studies in the university departments and the university centres established by it and was not in favour of permitting the colleges affiliated to it to open postgraduate classes. Consequent upon this acceptance in principle, the Commission desired that the details regarding the subjects to be developed and its financial implications for the Fifth Plan period may be examined by this Expert Committee and its report be placed before the Commission.

The University of Mysore with its headquarters at the city of Mysore has a jurisdiction extending over 11 Districts of the State of Karnataka. The only other university with affiliating colleges is the Karnataka University at Dharwar. The University at Bangalore is a federal type of university with its colleges within the jurisdiction over the metropolitan area of the Corporation of Bangalore. Bangalore is also the seat of the University of Agricultural Sciences at Hebbal. The University of Mysore has at present a total of 126 colleges affiliated to it and spread over a wide area of the 11 Districts coming under its purview. During the Fourth Plan period, the University extended facilities for postgraduate instruction to the Districts of South Canara and Coorg by establishing a University Postgraduate Centre at Mangalore. Over the last five years there has been a tremendous increase in student enrolment and also the number of colleges in the Mysore University. The total enrolment in 1972-73 was of the order of 75,000 in the Mysore University and its colleges. The facilities for postgraduate studies are presently available only in the postgraduate departments at the main campus at Mysore and in a few subjects, viz., Physics, Mathematics, Biosciences, Kannada and Commerce at the Postgraduate Centre at Mangalore. The South Canara and Coorg Districts account for an enrolment exceeding 20,000 students and accordingly the Postgraduate Centre at Mangalore only partly meets the requirements for postgraduate education in these districts, with a well developed educational complex.

The proposed Postgraduate Centre at Shimoga is designed to meet the educational aspirations for post-graduate studies mainly of the students from the four districts, namely, Shimoga, Chitradurga, Chikamagalur, and Hassan which together form a contiguous and compact unit. These four districts have 37 colleges offering undergraduate education as indicated below: -

(1)	Arts, Science & Commerce	24 + 3 evening colleges
(2)	Engineering	2 colleges
(3)	Medical	1 college
(4)	Law	2 colleges
(5)	Education	5 colleges
	Total:	<u>37</u> colleges

The student enrolment at the undergraduate level during 1972-73 in the colleges of this area was as given below: -

(1)	Arts	-	8712
(2)	Science	-	6410
(3)	Commerce	-	4225
(4)	Engineering	-	874
(5)	Medical	-	1152
(6)	Law	-	355
(7)	Education	-	603

Total: 22,331

During 1973-74 it was estimated that the number had reached nearly 25,000. Further the four districts have a feeder group of 320 higher secondary schools and 44 junior colleges.

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The University of Mysore and the Government of Karnataka, therefore are of the view that the establishment of a Postgraduate Centre at Shimoga would be appropriate to serve this vast educational complex of undergraduate colleges and their graduates to take up postgraduate studies in selected subjects of local and regional importance and relevance. The four districts forming the major part of the Malnad area have a tremendous wealth of natural resources and a vast industrial network which utilises the natural resources of the area. There are also specialised research institutes, such as, the Central Coffee Research Institute and the Cardamom Research Station of the Bangalore University of Agricultural Sciences, both located in Chickmagalur District. The city of Bhadravati has major industries, such as, the Iron & Steel, Ferro-Alloys, Cement, and Paper and Pulp Industry. A number of sugar factories have also come up in the neighbouring areas of Shimoga. Both the cities of Shimoga and Devangere are large, commercial and business centres. Devangere has also a vast complex of cotton and oil industries. The neighbouring city of Harihar has a large number of engineering industries. The entire Malnad area is rich with mineral and forest resources. The Centre at Shimoga has been started at the site of the Bhadra Reservoir Project and is centrally located for students coming from these four districts.

The Committee, besides visiting the Postgraduate Centre, also visited the Mysore Iron & Steel Works at Bhadravati and some other industrial concerns. It had discussions with the university authorities including the Vice-Chancellor, the Registrar, Deans of various faculties and heads of the departments concerned, authorities of the Mysore Iron and Steel Ltd., and other industrial concerns. Deputy Commissioner and the Special Deputy Commissioner of Shimoga District, Shri A.R. Badri Narayan, formerly Minister for Education, representatives of the various educational institutions and public bodies. The Committee was also presented with the memoranda by various educational, civic, commercial and other organisations of the area.

The observations and recommendations of the Committee on various aspects relating to the development of the University Centre for Postgraduate Studies at Shimoga are given below:-

(I) The need for the Centre:

The Committee is fully convinced and is in agreement with the view taken by the UGC Standing Committee for New

Universities and Postgraduate Centres that there is a well justified need for expansion of facilities for postgraduate studies in the University of Mysore, keeping in view the student enrolment, existing facilities for postgraduate studies and also decentralisation of facilities for post-graduate work into viable units located in important educational complexes. The Committee is also in agreement with the view of the University of Mysore and of the University Grants Commission that facilities for postgraduate education and research should be developed in the university departments or in university maintained postgraduate centres rather than allow such postgraduate courses to be developed in affiliated colleges. The Committee, however, would like to mention that such expansion of postgraduate facilities should not be in the nature of a mere linear expansion to provide for opportunities for a larger number of students to pursue "traditional" courses of study or to repeat the courses offered in the main campus of the university. Expansion of postgraduate facilities and setting up of such centres maintained by the University should be utilised to a large extent to extend the scope of offering of postgraduate studies and specialisation, diversification of courses of study, and relating them to local or regional relevance and also to introduce desired educational reforms. Such departments should, therefore, have freedom and autonomy to design and introduce new specialisations with considerable inter-disciplinary content and approach and also bring about new methods of instruction and evaluation as well. These departments should also have necessary inter-action with related industries and other user organisations, if the products of these departments have to be trained to meet emerging manpower needs of the region in particular. At the same time sufficient care should be taken in the matter of designing of courses and award of degrees, to ensure that these students would not be put to any disadvantages in the matter of their employment opportunities available in general to similar students coming from other university departments with 'traditional' types of Master's degree programmes. The recruitment of staff in the Postgraduate Centre should be carefully planned by the University according to the needs of the course, and should not be used as a means of merely providing promotional opportunities to the staff in the main University Campus. In particular, emphasis on starting courses independent from the main University Departments should be based on the need of relevance for the particular region, and should not be taken to be an invitation to preserve "automated" courses which the main University Department has discarded through a process of syllabus reform".

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(II) Location of the Postgraduate Centre

As earlier indicated, the University has proposed to locate the Postgraduate Centre at Shimoga at a site about one mile from the Bhadra Reservoir area on the road towards Shimoga. This site is at a distance of about 9 miles from the two cities of Shimoga and Bhadravati, and within easy distance for students coming from the other two Districts, viz., Hassan and Chitradurga. The State Government of Karnataka has agreed to make available a vast area of land measuring about 700 to 800 acres for the development of the Postgraduate Centre in this location. The site is easily accessible by road from all the neighbouring cities and townships and adjoining the location of the Centre is the township that has been developed by the reservoir project on the out-skirts of the town of Lakkavallia. The Committee inspected the proposed site which mainly consists of shrub vegetation of a rain forest type.

Part of the proposed site is in the nature of an elevated hill serving as a back-drop for the proposed centre. A stretch of nearly 200 acres of levelled land runs all along the road side. Development of the site would need to be taken up in successive stages. The Committee, while it feels that this site would meet the requirements of land for the postgraduate centre in its successive phases of development over the next 15 or 20 years, however felt that it may be advantageous if the Centre could acquire through the State Government of Karnataka an area of equal dimension or even smaller area of about 400 acres or so closer to the township of the Bhadra Reservoir Project which is fairly well developed with other civic amenities. If this were possible, part of the residential complex for the Postgraduate Centre likely to come up in future years could then be extended on the site presently earmarked for the Centre. The Deputy Commissioner of the Shimoga District assured the Committee that he would take up this matter with the State Government authorities to see if a site of appropriate area could be made available close to the project area for location of the various teaching departments and the academic complex of the Postgraduate Centre.

Present position of the Postgraduate Centre:

The University of Mysore has started the Postgraduate Centre at Shimoga by opening M.A. classes in Kannada during 1973-74 and Economics from 1974-75. It has also admitted

students to the M.Sc. degree in Industrial Chemistry from 1973-74 but the students are taught at the Mysore campus, also with the aid of research staff of Central Food Technological Research Institute and steps are being taken to shift these classes to the Centre during the current year. The State Government of Karnataka made available a sum of Rs.5 lakhs in 1973-74 for meeting the expenditure of this Centre and had also made available on rent about 24 quarters of the P.W.D. and the Electricity Board in the project area for temporary use by the Postgraduate Centre. The Centre has at present its administrative offices and class-rooms and libraries in these buildings which are mainly meant for residential purposes. The other buildings are used for staff and students residences.

### (III) Organisation of postgraduate courses.

As mentioned earlier, the Committee feels that the university authorities have to exercise sufficient imagination and obtain expert advice of the appropriate type in the matter of organisation of courses of study at the new Postgraduate Centre at Shimoga. The Committee feels that mere adoption of the existing courses of study followed at the main campus and admitting a unit of students at this Centre to qualify for the Master's degree programmes would be of neither academic value nor of regional relevance. In fact it would be more economical in such a situation to increase the intake on the main campus. On the other hand, as envisaged by the university authorities also, the postgraduate courses to be offered at the Postgraduate Centre would bear a distinct relevance to local and regional needs and would help in offering a wide variety of courses by the university. The step taken by the university in this direction in offering a course in Industrial Chemistry is in the right direction. These courses are planned to be developed by making use of the facilities and experts available in the vast industrial complex at Bhadravati and other locations in the close vicinity. The Committee had considerable discussions in the matter of organisation of courses, recruitment of suitably qualified faculty with interdisciplinary interests, admission of students, building up meaningful contacts and liaison with industries, business and other organisations and also in performing extension education functions by the staff and students of the Centre. Again, as mentioned earlier the type of courses should be so designed that the students when initiated into a chosen area of specialisation would increase their employability in the relevant industries etc.,



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but at the same time not diminish to any extent their chances of gainful employment in traditional areas of teaching, governmental service etc. The number of students to be admitted should also be carefully decided keeping in view the quality of eligible students, manpower needs and employment opportunities open to them in the region. Most important of all, the courses should be flexible and render themselves to necessary changes related to manpower needs from time to time.

The University of Mysore has proposed that the Postgraduate Centre at Shimoga may initially start Master's degree programme in the following six subjects:-

- (1) Kannada
- (2) Commerce
- (3) Mathematics
- (4) Industrial Chemistry
- (5) Environmental Sciences
- (6) Geography

It has already started the courses in Kannada, Economics and Industrial Chemistry.

Science subjects:

The University has proposed, to begin with to start courses in Science subjects in (a) Chemistry with specialisation in Industrial Chemistry and (b) Environmental Sciences and (c) Mathematics.

(1) Department of Chemistry

The Committee examined in detail the syllabus framed for purposes of Master's degree in Industrial Chemistry. The courses proposed have a large engineering bias in the first semester and the third semester. The courses proposed have neither Chemical Engineering content nor sufficient Chemistry content. It emphasises some elements of Mechanical and Electrical Engineering. A good syllabus on Industrial Chemistry must stress on laying a strong foundation of broad based Chemistry - organic, analytical and physical and inorganic, basic knowledge in chemical Engineering comprising Unit operations and materials, applied mechanics and industrial management etc. In fact the Committee was told that the University had advertised the post of a Professor with Chemical Engineering background and experience. This

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would not be an appropriate step. As a result of the discussions, it was agreed that the courses should have the necessary fundamental Chemistry forming the basic foundations so that the students are trained in basic areas of Physical, Inorganic, Analytical and Organic Chemistry. These courses should be suitably designed and offered in the M.Sc. first year class and thus prepare the students to be introduced in the second year to related industrial applications of Chemistry in the two broad areas of (a) Mineral and Ore based industries and (b) Plant product and natural resources based industries. The mineral based industry would include iron and steel, Ferro-Alloys, Metallurgical Industries, Cement, etc. The Plant products based industries would include the paper and pulp technology, fertilisers, oils, fats and detergent industries, textile, sugar, natural products and pharmaceutical industries. The Committee is of the view that the University should not aim to produce inadequately prepared chemical engineers through its Programme of Industrial Chemistry. On the other hand, it should offer an M.Sc. Chemistry degree with opportunities for specialisation in Industrial Chemistry, in areas related to the industries mentioned earlier. This suggestion has been made keeping in view the industries in the surrounding areas, possibilities of students obtaining work experience and acquaintance with live and emergent problems in these industries, involvement of the qualified personnel from the industries in the teaching programmes of the Centre and also utilisation of the laboratory and library facilities of the R & D units in these industries. The Committee had an opportunity to visit the Chemistry and Metallurgical laboratories of the Iron & Steel Work Ltd., at Bhadravati and Sugar Factory, Shimoga.

The Committee therefore suggests that instead of designing the M.Sc. degree as M.Sc. in Industrial Chemistry, it should offer an M.Sc. Chemistry degree with specialisation in Industrial Chemistry. The students should be trained in basic fundamental chemistry areas of Physical, Inorganic and analytical and Organic Chemistry during the first two semesters and in the second year be introduced to either applications of Chemistry for industries based on (a) ores and minerals and (b) plant products as mentioned earlier. The University should make adequate arrangements for students to obtain Industrial experience relevant to their chosen areas for at least 10 to 12 weeks in the industrial concerns and factories in these areas in the cities of Bhadravati, Davagere Harihar, Shimoga etc.

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2. Department of Environmental Sciences

The Environmental science courses in a location like the Postgraduate Centre at Shimoga should essentially have a bias towards biological sciences rather than to Physical Sciences. The Centre is located in the heart of a rain forest area with variety of agricultural crops and plantation crops. It also has considerable problems related to land and water management, land use problems, plant introduction and plant protection, ecological problems, typical of a mixed agricultural and industrial complex. Development of environmental sciences programme with multi-disciplinary inputs of courses designed to meet these situations is not an easy task and demands considerable effort and availability of expert advice. Similarly it would demand a faculty committed to an inter-disciplinary approach and interested in investigations of problems arising in a dynamic ecosystem. The students would also need to be introduced to suitable project work on such problems during the second year after they have been given adequate training in first year in the relevant branches of a biologically oriented environmental science programme. The implementation of such a programme and development of research related to the teaching activities would indicate the possibilities of developing at a later date an environmental sciences programme with bias towards physical sciences also. It is also true that development of such multi-disciplinary courses would require support from basic science departments and interaction with members of Social Science departments, especially economics. This could be enlisted to the extent necessary from the basic science faculty at the main campus. In view of the preparations required and time needed for development of infra-structure facilities, the Committee feels that the University may start these courses either from 1975-76 or even later from 1976-77 academic year after recruitment of appropriate faculty. The intake in this course may be limited to about 15 students initially.

3. Department of Mathematics

The Committee was informed that the present intake into postgraduate courses in Mathematics was inadequate keeping in view the number of eligible students and also the manpower needs for trained mathematics teachers in higher secondary schools and junior colleges. The Committee, however, noted that there is generally 15 to 20% drop-outs in mathematics courses at the end of the

first year Master's degree programme. This is attributed to the employment opportunities available for mathematics teachers in the high schools. The Committee however feels that in organising the M.Sc. courses in mathematics at this Centre, efforts may be made to introduce the students to some areas of applied mathematics of industrial relevance and also bio-metrics. Availability of such faculty in the mathematics department would also be of advantage to provide necessary instruction to the students taking M.Sc. Chemistry with specialisation in Industrial Chemistry and students admitted to the environmental sciences course. The admission to M.Sc. classes in Mathematics may be limited to about 20-25 students in the initial stages.

Mathematics & Social Sciences:

(1) Department of Economics:

The Committee discussed in detail the nature of the courses to be developed for the M.A. Economics degree to be offered at this postgraduate centre. Here also, the Committee desires that the University would be well advised to break fresh ground by designing an inter-disciplinary (hybrid) course covering the fundamental aspects of economics and training in problems related to regional growth and development. Such a course with facilities for project work on some emerging problems of regional planning, growth and development of the Malnad areas and directed towards economic exploitation of the vast natural resources would be of value. It will also provide personnel required for state planning activities at district level. The course would give insights to the students to the factual and conceptual aspects of interpretation of environmental problems and potentials of development. It will also help them to understand the development of a mixed agro-industrial complex, characteristic of this area. The Economics Department could derive necessary support and advice from the environmental sciences department in the understanding of the eco-system and role of natural and human forces in the total environment. Attention could also be given to problems of forest and agricultural produce, transport economics, land and crop management, water resources development and management, all of which have a specific regional value in economic development. The number of students to be admitted to such a course should be about 20 to 25 in the earlier stages. The course should be flexible and capable of being opted to changing occupational patterns and manpower demands.

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2. Department of Kannada

The University is of the opinion that there is a growing demand for teachers in Kannada in the schools and colleges and the Malnad area has rich resource materials of literary importance which need to be investigated. There are also problems of value to linguistics, folklore and of historical significance. The University has already admitted students to this course and hopes to provide to the students adequate training in language and linguistics, dynamics of language and introduce them to relevant project work also.

3. Department of Geography

The University has proposed the opening of post-graduate studies in Geography also. The Committee discussed the plans for this purpose and felt that several aspects relating to the study of Geography particularly with regard to land form, land use, water resources and management, natural resources development would be pursued in the inter-disciplinary courses suggested to be developed in the departments of environmental science and economics. The Committee, in consultation with the University has, therefore, suggested that at the present stage it may not be necessary to start a Department of Geography at this Centre. In this connection, the attention of the Committee was drawn to a proposal of the Mysore University to start a postgraduate diploma course in environmental planning mainly as an inservice training course for persons engaged in regional development, environmental planning and study of socio-economic development processes. The Committee is of the view that such a postgraduate diploma course in environmental planning should be appropriately developed at the main campus which has the necessary infra-structure of well developed social sciences and science departments rather than at a new location like the postgraduate centre which has yet to establish both facilities as well as tradition. In case this course proves to be of value and increases the employment opportunities for the social science graduates, it could be subsequently brought in at the postgraduate centre also at a future date.

Similarly studies in Sociology and Social Anthropology can play a distinct role in the development of the Malnad region. The University could, therefore, keep this in view while planning for additional courses in second phase of the development of this Centre in due course.

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Financial Recommendations of the Committee:

(A) Academic Departments:

(1) STAFF

The Committee recommends that each of the science departments viz., (1) Chemistry and (2) Environmental Sciences may each have a faculty of one Professor, two Readers and three Lecturers and a supporting technical staff of two persons. In the case of Chemistry Department, the technical supporting staff may consist of an Analytical Chemist with experience in Micro-analysis and a technician. Provision should also be made for courses to be given by guest teachers, as experts belonging to industry who have the necessary experience and knowledge of practical problems and applied aspects of the subject. In the case of the Environmental Science, the two technicians may be chosen in such areas as would help in field work and laboratory analysis, one of them may have some training in quantitative methods. In the case of the Mathematics Department, the staff suggested is one Professor, one Reader and three Lecturers. In the case of the Economics Department also, the staff may consist of one Professor, one Reader, two Lecturers and a Statistical Assistant. In the case of Kannada Department the staff may consist of one Professor, one Reader, two Lecturers and one Field Survey Assistant. The technical supporting staff in all these cases may be placed in the scale of an Assistant say Rs.300-600. For the library, the staff may consist of an Assistant Librarian and two semi Professional Assistants besides necessary non-technical staff.

(ii) Equipment:

(a)	Chemistry	Rs.1.5 lakhs
(b)	Environmental Sciences:	Rs.1.5 lakhs
(c)	Mathematics	Rs. 25,000
(d)	Economics	Rs. 25,000

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Total: Rs.3,50,000

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(iii) Books & Journals:

(a)	Chemistry	Rs. 50,000
(b)	Environmental Sciences	Rs. 50,000
(c)	Mathematics	Rs. 50,000
(d)	Economics	Rs. 25,000
(e)	Kannada	Rs. 25,000

General library facilities Rs. 1.00 lakh

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Total: Rs. 3,00,000

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(iv) Buildings

The University may be given assistance initially to build a science block to accommodate in the three wings, the Departments of (a) Chemistry, (b) Environmental Sciences & (c) Mathematics. The building should have common facilities for lecture rooms for use by all the departments and a library-cum-seminar room which would also be a common facility for all the three departments. It is estimated that such a building with necessary fittings, laboratory furniture would cost about Rs. 10 lakhs. Such a building and its different wings would be capable of further expansion at a future date. It will also promote inter-departmental inter-action. In construction of the building, the local conditions should be kept in view, and use of local materials be resorted to.

Similarly, in the case of the Humanities Department of Economics and Kannada, the Centre may be assisted to have a common building, Humanities Block to include also the central library. Here also the lecture rooms would be common. Such a building including the library would require an expenditure of Rs. 10 lakhs including all facilities and furniture etc.

(v) Workshop:

The University Centre would require a small workshop facility for use by all the departments to help in proper maintenance and up-keep of equipment,

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laboratories etc. The workshop shed together with basic machinery and tools may be developed within a cost of Rs.1.00 lakh. It should have a technical staff of three persons, viz., a mechanic, an electrician and a general purpose workshop assistant.

(vi) Transport facilities:

Since inter-action with the industries in the neighbouring areas and field work by various departments would involve considerable transportation of students and staff, the Centre may have at its disposal a mini-bus with a trailer attached. This is expected to cost about Rs.50,000.

(vii) Staff and Student Residences:

The Centre may be assisted to build two small hostels for students residences. To begin with, facilities may be provided for (a) 60 students men's hostel and (b) 30 students women's hostel. The Centre may also be assisted to construct ten residential quarters for academic staff. The Centre may continue to utilise the quarters made available to it (on rental basis) by the PWD and the Electricity Board in the project area. The State Government could consider transferring these quarters to the Centre in case they are no more required by these agencies.

(viii) The State Government may provide an annual maintenance grant for the functioning of this Centre with necessary administrative and other non-academic staff and also to meet the working expenses etc. It should also provide funds for acquisition of land and its development and the matching grant as per University Grants Commission pattern of assistance in Fifth Plan.

(ix) Over-all supervisory functions

Since the activities of the Postgraduate Centre will have a definite orientation towards inter-disciplinary science courses and industrial liaison as well, it would be of great advantage if the "Director" or "Officer-in-Charge" of the overall activities of the Postgraduate Centre is a Scientist who can develop contacts with industries and obtain part-time services and laboratory facilities from related industries.

P.T.O.



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The Committee hopes that with the development of these facilities and appropriate courses as suggested above, the Postgraduate Centre at Shimoga would make a distinct contribution for the academic and other developments of the region concerned. The Committee is grateful to the University authorities for the facilities provided for its work.

The financial implications of the above recommendations are summarised below: -

I. Recurring: (For the Fifth Plan Period)

(Academic Staff and Other staff)

<u>From 1974-75:</u>	(a) Chemistry	1 P 2 R 3 L 2 Others and Experts (Part-time)
	(b) Economics	1 P 1 R 2 L 1 Stat. Asstt.
	(c) Kannada	1 P 1 R 2 L 1 Field Survey Assistant
	(d) Library	1 Assistant Librarian and 2 Semi-professional Asstt.
<u>From 1975-76:</u>	(a) Environmental Science	1 P 2 R 3 L 2 Others
	(b) Mathematics	1 P 1 R 3 L
	(c) Workshop staff.	3 Persons

II. Non-Recurring:

1. Scientific Equipment:	Rs.3,50,000	
2. Library Books & Journals	Rs.3,00,000	
3. Workshop Shed & Equipment	Rs.1,00,000	
4. Mini-Bus	Rs. 50,000	Rs.8,00,000
5. Academic Buildings including library	Rs.20,00,000	
6. Students Hostels (2)	Rs.4,50,000	
7. Staff Quarters (10)		Rs.5,00,000

Total N.R. Rs.37,50,000

P.T.O.

III. Total Recurring: (1974-79) (4 Years approximately)

(Salaries on 5 Professors, 7 Readers, 13 Lecturers  
12 Others: Estimated expenditure: Rs.4.0 lakhs p.a.)

R.Total 16 lakhs. UGC Share: 12 lakhs

IV. <u>Total N.R.</u>	(a)	Buildings	Rs. 20.00 lakhs	UGC Share (50%)	Rs. 10.00 lakhs
		Hostels	Rs. 4.50	" (50% & 75%)	Rs. 2.65 "
		Staff Qrs.	Rs. 5.00	" (50%)	Rs. 2.50 "
		(b) Equipment	Rs. 5.00	" (100%)	Rs. 5.00 "
(c)	Books & Journals	Rs. 3.00	" (100%)	Rs. 3.00 "	

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Rs. 37.50 lakhs	Rs. 23.15 lakhs.
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Total UGC Share: About Rs.35 lakhs for Fifth Plan

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated: 10th February, 1975

Item No. 25: To consider the recommendations of the Advisory Committee on organisation of Summer Institutes in English Language Teaching during 1975.

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The University Grants Commission has been organising Summer Institutes in English for College teachers since 1965 in collaboration with the British Council and the Central Institute of English and Foreign Languages, Hyderabad, with a view to improving their professional competence. Later, the framework of the Summer Institutes in English was widened to include tuition and training for staff in university departments which are introducing or providing advanced papers in English Language studies.

With a view to continuing this programme, the Commission invited proposals for the organisation of Summer Institutes in English Language Teaching from universities/institutions during 1975-76. The Commission received 30 proposals from various universities/institutions for the organisation of Summer Institutes in English during 1975.

An Advisory Committee with the following members was constituted to consider matters relating to the organisation of Summer Institutes in English in 1975.

1. Professor Ramesh Mohan,  
Director,  
Central Institute of English  
& Foreign Languages,  
Hyderabad.
2. Professor CD Narasimhalah,  
Department of Postgraduate Studies  
in English,  
Mysore University,  
Mysore.

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3. Professor SK Kumar,  
Department of English,  
Osmania University,  
Hyderabad.
4. Dr. (Mrs.) Kamal Wood,  
Department of English,  
Bombay University,  
Bombay.
5. Professor Yudhistar,  
Head of the Department of English,  
Delhi University,  
Delhi.
6. Professor A. Bose,  
Retired Professor of English,  
Calcutta University,  
Calcutta.
7. Professor A.K. Kaul,  
Department of English,  
Rajasthan University,  
Jaipur.

The Committee met in the office of the Commission on 31st December, 1974 at 3 p.m. The following were present:-

1. Professor Ramesh Mohan
2. Professor C.D. Narasimhaiah
3. Professor S.K. Kumar
4. Dr. (Mrs.) Kamal Wood

Professor Yudhistar, Professor A. Bose and Professor A.K. Kaul could not attend the meeting.

The Committee made the following recommendations:-

1. Against the 30 proposals received from various universities/institutions for the organisation of Summer Institutes in English, the Committee recommended the following nine proposals for the admissible financial assistance:

Name of the University/ Institution	Name of the Director/ Coordinator	Duration	No. of parti- cipants	Areas to be covered	Remarks
1.	2.	3.	4.	5.	6.
1. Bombay	Prof. (Mrs.) Kamal Wood, Head of the Department of English, Bombay University.	6 weeks April - May-1975	50	Maharashtra, south Gujarat	Services of British specialists not required (under British Council Assistance)
2. Central Institute of English & Foreign Languages, Hyderabad.	Dr. K. Subramanian, Officer-in-Charge, Regional Centre of CIEFL at Shillong.	-do-	50	Institute to be organised at Shillong and will cover all Hill Areas, West-Bengal and Assam	-do-
3. Kerala	Dr. M. Manuel, Professor & Head of the Institute of English, Kerala University, Kerala.	-do-	60	Kerala, Tamil Nadu	Services of British specialists may have to be made available.
4. Lucknow	Dr. D.D. Sharma, Reader, Department of English, Lucknow University.	6 weeks May-June 1975	60	UP, Bihar	-do-
5. Rajasthan	Shri RP Bhatnagar, Reader in English, Rajasthan University.	-do-	60	Rajasthan, Saurashtra, Sardar Patel University.	-do-
6. Sambalpur	Dr. P.K. Pati, Professor & Head of the Postgraduate Department of English, Sambalpur University.	-do-	60	Orissa, Andhra Pradesh (Partly)	-do-

1.	2.	3.	4.	5.	6.
7. Sri Venkateswara	Prof. MV Rama Sarma, Dean, Faculty of Arts, Professor of English, & Principal S.V. University College, Tirupati.	6 weeks May-June 1975	50	AP (Partly) Karnataka	Services of British specialists may have to be made available.
8. Vikram	Dr. DN Potnavis, Reader and Head, School of Studies in English, Vikram University.	-do-	50	MP	-do-
9. Panjab	Prof. Jagdish Chander, Head of the Department of English, Panjab University, Chandigarh.	-do-	60	Panjab, Himachal Pradesh, Maryana, Jammu & Kashmir, Delhi.	-do-

The Committee had recommended nine Summer Institutes in English during 1975-76 and indicated that in case the Commission decides to organise only eight, the last one, e.g., Panjab University (which had organised summer institutes during the last three years) may be dropped.

2. Besides, recommending the organisation of nine summer institutes in English during 1975-76, the Committee had recommended revision of the norms of expenditure admissible under the organisation of the summer institutes in English as indicated below:-

Item	Existing Rates	Revised Rates
1.	2.	3.

A. For participants

1. Boarding charges for outstation participants per day.	Rs.12.00	Rs.15.00
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1.	2.	3.
E. Visiting/Guest Lecturers	To be treated as on part-time basis and honorarium to be paid in proportion to their work out of the overall provision of Rs.4,500/- or Rs.3,800/-).	This may be suitably increased by the Commission
F. Miscellaneous, Contingency, Postage etc.	Rs.1,500/-	Rs.2,000/-
G. Secretarial, clerical, laboratory staff and medical expenses.	Rs.1,500/-	Rs.2,000/-

3. The matter pertaining to provision of specialists from UK in the organisation of summer institutes in English during 1975-76, the Committee recommended that services of 6-8 British specialists could be availed of alongwith the services of one specialist from Australia already agreed to. The services of specialists could be obtained in Methodology, Phonetics and English Grammar/ Usage.

4. The Committee considered the proposal from the Central Institute of English and Foreign Languages, Hyderabad for making the programme more effective and purposeful and desired that specific programmes and guidelines for the making the summer institutes in English Language more purposeful and effective may be invited from the Central Institute of English and Foreign Languages, Hyderabad.

5. The Committee considered the proposal submitted by Professor S. Nagarajan of Poona University for preparation of a catalogue of the material available for research work in English in the major libraries of the country. The Committee felt that such a project to prepare a specialised catalogue would be useful and Professor Nagarajan may be requested to work out the proposal and its method of implementation in greater detail alongwith the financial implications for consideration by the committee at its next meeting.



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6. A copy of the report of the U.G.C. Standing Advisory Committee on Summer Institutes in English is attached (Annexure).

The matter is placed before the Commission for consideration.

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Report of the UGC Standing Advisory Committee meeting on Summer Institutes in English held in the Office of the Commission on 31st December, 1974.

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The University Grants Commission constituted a Standing Advisory Committee on Summer Institutes in English with the following members:-

1. Professor Ramesh Mohan,  
Director,  
Central Institute of English & Foreign Languages,  
Hyderabad.
2. Professor C.D. Narasimhaiah,  
Department of Postgraduate Studies in English,  
Mysore University,  
Mysore.
3. Professor S.K. Kumar,  
Department of English,  
Osmania University,  
Hyderabad.
4. Dr. (Mrs.) Kamal Wood,  
Department of English,  
Bombay University,  
Bombay.
5. Professor Yudhister,  
Head of the Department of English,  
Delhi University,  
Delhi.
6. Professor A. Bose,  
Retired Professor of English,  
Calcutta University,  
Calcutta.
7. Professor A.K. Kaul,  
Department of English,  
Rajasthan University,  
Jaipur.

The Committee met in the Office of the Commission on 31st December, 1974 at 3 p.m. to consider matters pertaining to the organisation of Summer Institutes in English during 1975-76, as per agenda.

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The following were present:

1. Professor Ramesh Mohan (in the Chair)
2. Professor C.D. Narasimhaiah
3. Professor S.K. Kumar
4. Dr. (Mrs.) Kamal Wood

Mr. R.K. Chhabra, Secretary, University Grants Commission and Mr. S.K. Dasgupta, Joint Secretary, University Grants Commission were present on behalf of the University Grants Commission.

Professor Yudhister, Professor A. Bose and Professor A.K. Kaul could not be present.

The Committee considered the agenda which had been circulated and made the following recommendations:-

The Committee considered the norms of expenditure for the operation of Summer Institutes in English during the year 1975-76. It was felt that the ceiling of Rs.12/- for board (inclusive of essential services) per participant per day was inadequate in view of the increased price rise of essential commodities. The Committee recommended that the per-diem be increased to Rs.15/-.

As regards the boarding charges for outstation academic staff, the committee recommended that the present rate of Rs.12.50 per head per day be raised to Rs.20/- per head per day with free accommodation in the University guest house/hostel.

The Committee recommended that the book grant for the reference library in connection with the organisation of Summer Institutes in English during 1975-76 to be raised from the present amount of Rs.2,500/- to Rs.3,000/-.

The Committee noted that the honorarium to academic staff was limited to Rs.4,500/- out of which the Director was entitled upto Rs.1,000/- and the other members of the academic staff upto a ceiling of Rs.500/- each for institutes of full six week's duration and the overall ceiling was Rs.3,800/- for institutes of 3-4 weeks' duration, where the honorarium to the Director was limited upto Rs.800/- and for other members of the academic staff upto a ceiling of Rs.500/-; The Committee was of the view that this rate of honorarium to Directors and other members of the academic staff may be suitably increased.

P.T.O.

It was recommended that in view of increased prices that the grant for expenditure on miscellaneous, contingency, postage, etc. be raised from the existing ceiling of Rs.1500/- to Rs.2,000/- and similarly the ceiling for expenditure on secretariat, clerical, laboratory staff and medical expenses be raised from Rs.1500/- to Rs.2000/-.

As regards norms for other items of expenditure in connection with the organisation of Summer Institutes in English, the Committee felt that the present rates may continue (TA etc.).

The existing norms and the norms as recommended by the Committee are indicated below:-

Item	Existing Rates	Revised Rates
1.	2.	3.

For participants

1. Boarding charges for out-station participant per day.	Rs.12.00	Rs.15.00
2. Lodging in a hostel including water, electricity and other essential services to be provided to all outstation participants free of charges.	Free	Free
3. Rail-fare (1st class - both ways).	1st class rail-fare (both ways) with incidental at Rs.12.50 for journey of 24 hours or part thereof.	

For academic staff

Free Guest House accommodation alongwith Rs.12.50 per head per day for board of out-station academic staff.	Free Guest House accommodation alongwith Rs.20/- per head per day for board of out-station academic staff.
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Books for reference library to be added to the library of the host Institute on completion of the summer institutes.	Rs. 2,500/-	Rs.3,000/-
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1.	2.	3.
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D. Honorarium to academic staff.

1. For Summer Institutes of full 6 weeks' duration	Rs.4,500/- (Directors entitled to an honorarium of Rs.1,000/- and other members of the academic staff not more than Rs.500/- each).	This may be suitably increased as may be decided by the Commission.
2. For Summer Institutes of 3-4 weeks' duration.	Rs.3,800/- (Directors entitled upto Rs.800/- and other academic staff not more than Rs.500/- each).	-do-

E. Visiting/Guest Lecturers	To be treated as on part-time basis and honorarium to be paid in proportion to their work out of the overall provision of Rs.4,500/- or Rs.3,800/-.	-do-
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F. Miscellaneous, Contingency postage etc.	Rs.1,500/-	Rs. 2,000/-
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G. Secretarial, clerical, laboratory staff and medical expenses.	Rs.1,500/-	Rs. 2,000/-
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Item No. 2: To consider the proposals received from the Universities/Institutions for the organisation of Summer Institutes in English during the year 1975-76.

The Commission received 30 proposals from various universities/institutions for the organisation of Summer Institutes in English during 1975-76. All the proposals were scrutinised. The following nine proposals were recommended for admissible financial support:-

Name of the University/ Institutions.	Name of the Director/ Coordinator	Duration	No. of parti- cipants	Areas to be covered	Remarks
1.	2.	3.	4.	5.	6.
1. Bombay	Prof. (Mrs.) Kamal Wood, Head of the Department of English, Bombay University.	6 weeks' April - May, 1975	50	Maharashtra South Gujarat.	Services of British specialists not required (under British Council Assistance).
2. C.I.E.F.I., Hyderabad.	Dr. K. Subramanian, Officer-in-Charge, Regional Centre of CIEFL at Shillong.	-do-	50	Institute to be organised at Shillong and will cover all Hill Areas, West Bengal and Assam.	
Kerala	Dr. M. Manuel, Professor & Head of the Institute of English, Kerala University, Trivandrum.	-do-	60	Kerala, Tamil Nadu	Services of British specialists may have to be made available.
Lucknow	Dr. D.D. Sharma, Reader, Department of English, Lucknow University.	6 weeks' May-June, 1975	60	UP, Bihar	-do-
Rajasthan	Sri R.P. Bhatnagar, Reader in English, Rajasthan University, Jaipur.	-do-	60	Rajasthan, Saurashtra, Sardar Patel University.	-do-
Sambalpur	Dr. P.K. Pati, Professor & Head of the Postgraduate Department of English, Sambalpur University.	-do-	60	Orissa, Andhra Pradesh (Partly)	-do-

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1.	2.	3.	4.	5.	6.
7. Sri Venkateswara.	Professor M.V.Rama Sharma, Dean Faculty of Arts & Professor of English & Principal S.V. University College, Tirupati.	6 weeks' May-June 1975.	50	AP (Partly) Sambalpur University and Karnataka.	Services of British specialists may have to be made available.
8. Vikram	Dr. D.N.Potnavis, Reader and Head School of Studies in English, Vikram University.	-do-	50	MP	-do-
9. Panjab	Professor Jagdish Chander, Head of the Department of English, Panjab University, Chandigarh.	-do-	60	Panjab, Himachal Pradesh, Haryana, Jammu & Kashmir, Delhi.	-do-

The Committee recommended nine Summer Institutes in English during 1975-76. In case the Commission decides to organise only eight, the last one e.g., Panjab University (which had organised summer institutes during the last three years, e.g., 1972, 1973 and 1974) may be dropped. The other eight summer institutes have been arranged alphabetically and funds for the organisation of Summer Institutes at these centres may be provided as per norms which the University Grants Commission may decide on the basis of recommendations made by the Committee.

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Item No.3: To consider a letter from the British High Commission seeking information whether the teachers from London are required with specialisation in all or any of the three areas namely (1) Methodology (2) Phonetics and (3) English Grammar and Usage.

The matter pertaining to provision of specialists from UK in the organisation of summer institutes in English

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during 1975-76 was discussed and the Committee authorised Professor Ramesh Mohan, Director, Central Institute of English and Foreign Languages, Hyderabad to advise the Commission as to the fields of specialisation in which the services of the British experts could be availed of. The services of 6-8 British specialists under the auspices of the British Council were to be made available during the year 1975-76 alongwith one specialist from Australia. The number of specialists in the three fields, e.g., Methodology, Phonetics and English Grammar and Usage could be decided by Professor Ramesh Mohan in consultation with the British Council.

Item No.4: To consider a letter from Central Institute of English and Foreign Languages, Hyderabad aimed at making the programme (ELT) more effective and purposeful.

The Committee discussed about the measures to be adopted for making the programme of English language teaching more effective and purposeful in the light of the recommendations made by the Central Institute of English and Foreign Languages, Hyderabad, and desired that Professor Ramesh Mohan may be requested to formulate specific programmes and guidelines for making the summer Institutes in English language more purposeful and effective.

Item No.5: To consider a proposal of Professor S.Nagarajan of Poona University for establishment of Central Library of English Studies at a suitable place.

The Committee considered the proposal submitted by Professor S. Nagarajan for the preparation of a catalogue of the material available for research in English in the major libraries of the country. The Committee felt that such a project to prepare a specialized catalogue would be useful and decided that Professor Nagarajan may be requested to work out the proposal and its method of implementation in greater detail alongwith detailed financial implications for consideration of the Committee in its next meeting.

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UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated: 10th February, 1975

Item No. 26: To consider the question of providing assistance for development programmes to Teacher Training Colleges during the Fifth Plan period.

.....

During the Fourth Plan period, the Commission had been providing assistance upto Rs.2 lakhs to a Teacher Training College providing B.Ed. courses and Rs.3 lakhs to such a college providing both B.Ed. and M.Ed. courses. The Commission had also been in exceptional cases providing an additional grant of Rs.1 lakh per such college for development programmes. The Commission had further decided that limit of assistance in respect of building projects for Teacher Training Colleges would be limited to Rs.1 lakh per college (Item No.49 - February 1971 meeting). The schemes covered for assistance to Teacher Training Colleges offering B.Ed. courses during the Fourth Plan period were as below:-

<u>Scheme</u>	<u>UGC Share</u>
1. Extension of libraries and laboratories (including furniture and fittings).	66-2/3rd of the approved cost.
2. Purchase of books and equipment.	75% of the approved cost
3. Hostel for men students	50% of the approved cost.
4. Hostel for women students	75% of the approved cost.
5. Residential quarters for academic staff.	50% of the approved cost.
6. Non-resident students' Centre.	Upto Rs.35,000/-
7. Teachers' Hostels	66-2/3rd of the approved cost.
8. Additional staff	50% of the approved cost.

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In the case of postgraduate courses in education, the assistance was provided as below: -

a)	<u>NON-RECURRING:</u>	
	<u>Scheme</u>	<u>UGC Share</u>
	i) Building and furniture (class-rooms etc.)	50%
	ii) Books and equipment	75%
b)	Additional teaching staff.	50%

For the Fifth Five Year Plan, the Commission has already forwarded guidelines to affiliated colleges for preparing development proposals for improvement of undergraduate education facilities within a total outlay of Rs.5 lakhs per college including the contribution to be made by the University Grants Commission and by the management/state Government keeping in view the sharing basis for different schemes. The universities and colleges have also been informed that a separate communication would be sent regarding Teacher Training Colleges.

The Commission has also informed the universities that in their proposals for Fifth Plan, they may include within the allocation suggested programmes in the field of Teacher Education. In the case of programmes of Teacher Training Colleges a doubt arose from the discussions that took place at the first meeting of the National Council for Teacher Education held in December, 1973 where it was indicated that "it is likely that all the funds for the Fifth Plan for Teacher Education would be included in the state sector and the University Grants Commission could continue with its programme of grants to training colleges only if it could find funds for this purpose from its own budget." A clarification on this point was sought from the Ministry of Education. In a communication sent to the Commission in December, 1974 the Ministry of Education has informed as below: -

"The observations of the Education Minister, Professor Nurul Hasan made at the National Council for Teacher Education meeting and the consensus that emerged at the meeting of the National Council for Teacher Education held on 21.12.1973 were only intended to stress the point that there will be no central scheme for teacher education

as in the case of other schemes such as vocationalization, educational technology etc. Hence it was stated that the money for teacher education was likely to be available in the State sector only and the University Grants Commission may continue to assist such colleges in the same manner as other degree and postgraduate colleges. In addition, it is hoped that the departments of teacher education in the universities would also be assisted in the same manner as other departments of universities."

In view of this, it is for consideration whether the scheme of assistance to Teacher Training Colleges implemented during the Fourth Five Year Plan period be taken up in the Fifth Plan. It may be stated in this connection that in the guidelines for preparation of development proposals for improvement of undergraduate educational facilities in affiliated colleges, it has already been indicated that development proposals could also be submitted by professional colleges and while doing so the condition of minimum enrolment of students and staff strength would be relaxed in the case of professional colleges. It is for consideration whether the Teacher Training Colleges be requested to prepare proposals in the same way the affiliated colleges have been requested to forward proposals and if so the upper limit within which such proposals to be submitted by the Teacher Training Colleges may also be indicated.

The matter is placed before the Commission for consideration.

E.O.(CP)/Addl. Secretary

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UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated: 10th February, 1975

Item No. 27: To consider the proposal of Delhi University regarding the construction of four buildings for the School of Correspondence Courses and Continuing Education at an estimated cost of about Rs.35 lakhs.

.....

Some time ago the university of Delhi recommended and forwarded proposals for the construction of four buildings as under for the school of Correspondence Courses and Continuing Education of Delhi University:-

Project	Estimated Expenditure (preliminary)	UGC's share	Remarks
	Rs.	Rs.	
1. Construction of library-cum-study centre.	19,45,500	4,45,500	Rs.15 lakhs to be utilized from the accumulated savings of Rs.30 lakhs with the school.
2. Construction of Staff Quarters for the staff of Correspondence Courses.	11,92,800	-	From the accumulated savings of the School.
3. Construction of Principal's Bungalow.	92,700	92,700	With cent-per-cent assistance from the U.G.C.
4. Construction of 4 staff quarters under Teacher's Hostel Scheme.	3,00,000	3,00,000	With cent-per-cent assistance from the U.G.C.
Total:-	35,31,000	8,38,200	Entire accumulated savings of Rs.30 lakhs to be utilized for 4 buildings.

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A copy of the proposal received from the University is attached (Annexure I to IV).

The Standing Committee on part-time and own time Education at its meeting held on October 14, 1974 recommended that the proposal of the University of Delhi to put up library-cum-study Centres for the School of Correspondence Courses and Continuing Education may be accepted "in principle" and noted that expenditure on this account would be met from the savings which the school had accumulated over the years.

The Committee was unable to recommend the construction of (a) staff quarters for the staff of correspondence courses (b) construction of Principal's bungalow and (c) construction of four staff quarters in teacher hostel scheme, as it was of the view that the savings realised from students fees etc. should not be utilised for such projects.

The matter is placed before the Commission for consideration.

D. S. (E. R.)

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Copy of letter No.CC/PRI/74 dated May 21, 1974 from the Principal, School of Correspondence Courses and Continuing Education, Delhi addressed to the Secretary, U.G.C., New Delhi.

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Sub:- Construction of Library-cum-Study Centre and the Teaching Block for the School of Correspondence Courses.

.....

The School of Correspondence Courses and Continuing Education is in need of a Teaching Block and Library-cum-Study Centre. The Managing Committee of the School has approved the proposal for the construction of the Teaching Block and Library-cum-Study Centre.

Need for the Teaching Block and Library-cum-Study Centre

This year the number of students enrolled in the School from Delhi was around 10,000. About 70% of the students enrolled are unemployed and about 30% are employed. Keeping this in mind, we have decided to invite groups of 1,000 students each to the School for Personal Contact Programme for a period of 14 days on all working days. Since about 10 such groups are expected in a year, the School requires a Teaching Block to conduct classes for about 140 days in a year. For the present, we are managing this programme in the building which was constructed for the office. The old building in which a part of the office is housed, as I learn is 102 years old. This building according to the University Engineer needs to be pulled down because it is barrack-type construction. The University Engineer has also warned us that it can cause danger to the life to any person working in it. There is, therefore, an urgent need for the construction of a Teaching Block.

Regarding the proposal of the Teaching Block, since the School proposes to introduce more courses, for example, B.A. (Hons) and M.A. courses in the subjects that are being taught in the School, there should be ample built-in-area. The Personal Contact Programme for B.A./B.Com. courses and the new courses would also require a large number of rooms.

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It was, therefore, decided by the Managing Committee of the School to have 8 large rooms accommodating 60/80 students for B.A. and B.Com.(P) courses. In addition, 16 small rooms accommodating 30/40 students will be required to do intensive teaching for the students offering the new courses.

The details and the preliminary estimates for the construction of Teaching Block and Library-cum-Study Centre for the School of Correspondence Courses as prepared by the University Engineer are enclosed,

The Managing Committee of the School of Correspondence Courses has decided that out of an estimated expenditure of Rs.19,45,500/- required for the purpose, Rs.15 lakhs be utilised out of the accumulated balances of the school.

May I request the UGC to kindly permit the school to utilise the accumulated balance to the extent of Rs.15 lakhs and sanction a grant of Rs.4.55 lakhs for the purpose.

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ANNEXURE-II TO ITEM NO. 27

Copy of letter No.CCI/ dated 21st May, 1974 received from the Principal, School of Correspondence Courses and Continuing Education, University of Delhi, Delhi addressed to the Secretary, U.G.C., New Delhi.

.....

Subject:- Construction of Staff Quarters for the staff of the School of Correspondence Courses.

.....

The School of Correspondence Courses does not have any staff quarters either for the academic or for the non-academic staff. The Managing Committee of the School has decided that a sum of Rs.15 lakhs out of the accumulated balance be utilised for the construction of staff quarters for the School of Correspondence Courses. It is proposed to have 26 single room quarters, 24-two roomed quarters and 18-three roomed quarters for the employees. The preliminary estimate of the cost as prepared by the University Engineer is enclosed.

26-one room quarters.....	Rs. 3,40,400/-
24-two roomed quarters....	Rs.4,86,100/-
18-three roomed quarters...	Rs.4,66,300/-
	<u>Rs.11,92,800/-</u>

May I request you to kindly permit the School of Correspondence to make use these balances for the construction of Staff quarters. Need it be emphasised that housing accommodation is a real problem in Delhi, more specially in view of the rising cost and mounting rents.

The School will feel grateful to the UGC to permit the use of 50% of its accumulated balance i.e. Rs.15 lakhs for this purpose.

In this connection, it may be pointed out that the University of Delhi has agreed to allot 2 acres of land at Dhaka Village to the School.

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ANNEXURE-III TO ITEM NO. 27

Copy of letter dated 21st May, 1974 received from the Principal, School of Correspondence Courses and Continuing Education, University of Delhi, Delhi addressed to the Secretary, U.G.C., New Delhi.

.....

Subject:- Construction of the Bunglow for the Principal of the School of Correspondence Courses.

....

May I request the U.G.C. to kindly sanction the amount of Rs.92,700/- for the construction of the Bunglow for the Principal of the School of Correspondence Courses. Need it be mentioned that the Sen Committee in its report has emphasised the provision housing accommodation of the Principal on the premises of the School. The estimate for the construction of the Bunglow as prepared by the University Engineer is enclosed.

I trust the U.G.C. will sanction this amount of Rs.92,700/- for the purpose so that details of the plan for the construction of the bunglow may be taken in hand.

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ANNEXURE-IV TO ITEM NO. 27

Copy of letter dated 21st May, 1974 from the Principal, School of Correspondence Courses and Continuing Education, University of Delhi, Delhi addressed to the Secretary, U.G.C., New Delhi.

.....

Subject: -Construction of staff quarters under the Teachers' Hostel scheme of the UGC.

.....

The Managing Committee of the School of Correspondence Courses has approved the proposal regarding the construction of Staff Quarters on the basis of the scheme of Teachers' Hostel of the U.G.C. and estimate for the construction of 7 quarters is enclosed as prepared by the University Engineer. The matching contribution of the Managing Committee will be provided out of the accumulated balances of the School.

May I request the U.G.C. to kindly sanction for the construction of 7 units of the teachers' hostel.

I trust that U.G.C. will extend this scheme of the School of Correspondence Courses to enable us to provide accommodation to its staff by sanctioning a grant of Rs.3 lakhs for the purpose.

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UNIVERSITY GRANTS COMMISSION

Meeting:

Dated: 10th February, 1975

Item No. 28 To consider the recommendations made by the Panel on History at its meeting held on 15th January, 1975.

.....

The University Grants Commission, at its meeting held on 9th and 10th December, 1974 considered the recommendations made by the Panels in the Humanities and Social Sciences and desired that (i) the question of developing museums and providing audio-visual aids to the departments of History/Archaeology may be brought up separately before the Commission at a later meeting; and (ii) the proposal to support studies in the history of science outside the V Plan allocation of the Universities may be accepted in principle and the History Panel may be requested to identify a few departments of history/archaeology for the purpose.

A meeting of the Panel on History was held on 15th January, 1975 to consider the suggestions made by the Commission and the proposals received from University and College teachers for support for advanced research and short term projects in History and Fine Arts. The report of the Panel is attached (Annexure). The main recommendations made by the Panel are indicated below: -

(a) Development of Museums and provision of Audio-Visual Aids:

The Universities and Colleges should be encouraged to build up and enrich their collection of coins, stone-age materials, sculptures and copper plates. Plaster casts of valuable coins and sculptures may be provided by the National Museum; the colleges and universities should be encouraged to buy these items. Universities which have already a working museum should be further encouraged to acquire a basic nucleus which could be further developed by acquiring exhibits obtained during field work and project work. It is most important that visual representation of buildings and archaeological sites should be made available to students through packets of transparencies e.g. for architecture, paintings, sculptures etc. The

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universities which have a general museum may be helped to set up separate sections for history and archaeology in these museums. Any antiquity collected by the students during the exploratory tours and used by a Ph.D. scholar in his doctoral dissertation should automatically become the property of the department which is sponsoring him for the degree.

Assistance may be made available to the universities outside the V Plan allocations for setting up museums in history and archaeology. In the initial stages, a grant of Rs.10,000/- may be given to those universities which show interest in setting up museums to cover the cost of (a) transparencies, (b) plaster casts, (c) field work and (d) epellascopc. A grant of Rs.20,000/- may be given to universities which have already working museums in history and archaeology for further development during the V Plan period.

(b) Development of studies in the History of Science.

The scheme for providing assistance to the universities outside the V Plan allocation for teaching of history of Science at M.A. level may be circulated to universities having Centres of Advanced Study in Science subjects and those which have strong department of History. The universities finally selected for participation in the scheme may be provided assistance towards the appointment of one lecturer or leader on a 100 per cent basis during the V Plan.

(c) Support for excavation work.

Support for excavation work by the Departments of History and Archaeology should be shared by the University Grants Commission and the Archaeological Survey of India. The University Grants Commission may provide academic staff for the purpose or may make grant for the publication of the report while the cost of excavation work may be met by the Archaeological Survey of India. Each archaeology project whose cost estimates exceeds Rs.1 lakh may have an Advisory Committee to monitor the project and to advise on its various aspects of implementation.

(d) Proposals for Advanced Research.

The Commission may provide assistance for the following seven projects involving a total cost of Rs.1,13,000/- (The University Grants Commission approved a grant of

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Rs. 9.12 lakhs for eleven advanced research project in the humanities social sciences at its meeting on 9th & 10th December, 1974):-

S.No.	Name	Topic	Amount recommended
1.	Prof. G.A. Sharma, Professor & Head of Department Ancient History & Culture and Archaeology, Allahabad University.	Horizontal Excavations at Kausambi.	Rs. 20,000/- for publication of work already done.
2.	-do-	Investigations into the archaeo- logy of the Vinth yas and the stone age in the adjoin- ing region of the Ganga Valley and the problems of the Seasonal Migrations.	Rs. 10,000/- for publication of work already done.
3.	Dr. P.S. Gupta, Professor, Delhi University.	Studies in Bri- tish Imperialism East of Suez 1918-1947.	Rs. 17,000/-
4.	Dr. M. Radhakrishna Sarma, Reader, Osmania University.	Salvage Archaeo- logy: Area getting submerged under Srisaillam Hydro-electric Project.	Rs. 30,000/- for photography, acquir- ing of surface finds, survey and documentation.
5.	Shri Amalendu De, Jadavpur University	A.K. Fazlul Huq and his times (1873-1947).	Rs. 6,000/-
6.	Shri V.N. Misra, Reader, Deccan College, Poona.	Investigations into the pre- history of rock- shelters at Bhimbetka Central India.	Rs. 20,000/-

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S.No.	Name	Topic	Amount recommended
7.	Dr. S. Settur, Professor & Head Department of History and Archaeology, Karnatak University.	Classical Kannada Literature as a source of history (9th to 16th century) - Phase-I.	Rs.10,000/- for producing the first volume.

The Panel also considered the proposal of Professor B.B. Lal, Professor of Ancient History, Jiwaji University, who is also member of the Panel, for assistance for his project on excavation at Ayodhya. The Panel accepted this proposal in principle and suggested that a grant of Rs.80,000/- may be given by the University Grants Commission for the first phase of excavation work. The panel understood that a grant of Rs.20,000/- would be available from Archaeological Survey of India. This recommendation is for consideration in view of the principle recommended by the panel that the Commission may provide academic staff for the purpose and the cost of excavation work be met by the Archaeological Survey of India.

(e) Support for short-term projects.

The History Panel at its meeting in October, 1974 considered 26 proposals and recommended a grant of Rs.17,600/- for 7 projects. Consideration of 31 proposals was deferred to the next meeting. These proposals were considered by the Panel on 15th January, 1975 and the panel recommended a total grant of Rs.37,500/- for 14 projects as indicated under item No.5 of the minutes as at Annexure. These include the proposal of Dr. H.C. Verma, S.No.5, which had not been accepted in the October meeting. The panel on reconsideration has recommended a grant of Rs.25,000/- for his project. (The University Grants Commission at its meeting in December, 1974 approved a total grant of Rs.3,04,150/- for 126 short term projects in the humanities and social sciences).

The recommendations made by the Panel on History are placed before the Commission for consideration.

E.O. (H) / JS(I)



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it was decided that:-

(a) Regional Workshops for modernising the Syllabi

The venue of the workshops for modernising the syllabi in History and archaeology Courses may be as follows

- (i) Mysore or Dharwar or Calicut
- (ii) Chandigarh or Patiala
- (iii) Jaipur or Baroda or Poona
- (iv) Calcutta
- (v) U.P.        () The University where the workshop
- (vi) Bihar     () may be held may be identified later.

The number of participants in each workshop may be limited to 20. The participants should include university teachers who have a decisive voice in the formulation of undergraduate and postgraduate syllabi in the universities of the region.

Professor R.S. Sharma kindly agreed to prepare a working paper for the workshops. The conveners of the regional seminars could make necessary additions or changes in the working paper to suit regional and local requirements

The workshops will place the main emphasis on the syllabi of the undergraduate courses with special reference to the 10+2+3 pattern which is likely to be adopted by the universities. This, however, would not exclude a reference to syllabi in postgraduate courses, particularly M.Phil. courses.

Two seminars may be organised some time in April, 1974, one in the north and one in the western or southern region.

(b) Development of Museums and provision of Audio-Visual Aids.

The Universities and Colleges should be encouraged to build up and enrich their collection of coins, stoneage materials, sculptures and copper plates. Plaster casts of valuable coins and sculptures may be provided by the National Museum; the colleges and universities should be encouraged to buy these items. Universities which have already a working museum should be further encouraged to acquire a basic nucleus which could be further developed by acquiring exhibits obtained during field work and project work. It is most important that visual representation of buildings and archaeological sites be made available to students through packets of transparencies e.g. for



architecture, paintings, sculptures etc. The universities which have a general museum may be helped to set up separate sections for history and archaeology in these museums. Any antiquity collected by the students during his exploratory tours and used by a Ph.D. scholar in his doctoral dissertation should automatically become the property of the department which is sponsoring him for the degree.

It was recommended that assistance may be made available to the universities outside the V Plan allocations for setting up museums in history and archaeology. In the initial stages, a grant of Rs.10,000/- may be given to those universities which show interests in setting up museums to cover the cost of (a) transparencies, (b) plaster casts, (c) field work and (d) epediascope. A grant of Rs.20,000/- may be given to universities which have already working museums in history and archaeology for further development during the V Plan period.

(c) Development of Studies in the History of Science

The scheme for providing assistance to the universities outside the V Plan allocation for teaching of history of Science at M.A. level may be circulated to universities having Centres of Advanced Study in Science subjects and those which have strong departments of History. The universities finally selected for participation in the scheme may be provided assistance towards the appointment of one Lecturer or Reader on a 100 per cent basis during the V Plan.

(d) Preparation of list of Basic Books and Periodicals

It was understood that Professor R.S. Sharma had already started work on this.

Item No.2 : To receive the draft report of the Review Committee on Teaching and Research in History.

....

The report of the Review Committee on Teaching and Research in History was considered by the panel. The report was authenticated by Professor S. Gopal, who is one of its authors. It was felt that this report should form the basis of the working paper which Professor R.S. Sharma will prepare for the workshops.

Item No.3: To consider the question of preparing a status report in History indicating the most promising areas of development, the work done in the existing centres and the nature of support needed.

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Professor R.S. Sharma kindly agreed to prepare the status report on Teaching and Research in History,

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indicating the most promising areas of development, work done in the existing centres and the nature of support which may be provided to the universities. This status report may contain not only the present position of research in history but also identify the promising areas of development and the measure of support which should be provided to the various centres.

The panel expressed concern over the fact that the various appraisal reports prepared by the panels have not been made available to the members of the Visiting Committees. It was desired that all the Visiting Committees should be given a copy of the status before they visit the universities in connection with their V Plan proposals.

Item No.4 : To consider the proposals received from the university and college teachers for financial assistance for undertaking advanced research.

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The panel recommended that support for excavation work by the Departments of History and Archaeology should be shared by the University Grants Commission and the Archaeological Survey of India. It was recommended that the UGC may provide academic staff for the purpose or may make grant for publication of the report while the cost of excavation work may be met by the Archaeological Survey of India.

It was also recommended that for each Archaeology project whose cost estimates involve Rs.1 lakh or more, there should be an Advisory Committee to monitor the project and to advise on its various aspects of implementation.

The panel recommended support to the following proposals.

Sl. No.	Name	Topic	Recommendations and support recommended
1.	2.	3.	4.
1.	Prof. G.R. Sharma Prof. & Head of Deptt. Ancient History & Culture and Archaeology Allahabad Univ.	Horizontal Excavations at Kausambi.	Rs.20,000/- for publication of work already done.

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Prof. G.R. Sharma  
Prof. & Head of  
Deptt. Ancient  
History & Culture  
and Archaeology  
Allahabad Univ.

Investigations into  
the archaeology of the  
Vindh yas and the  
stone age in the  
adjoining region of  
the Ganga Valley and  
the problems of the  
Seasonal Migrations.

Rs.10,000/- for  
publication of work  
already done.

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Archaeological  
excavation  
Kushion sites at  
Mathura.

It is necessary to  
have academic planning  
and necessary co-  
ordination of various  
concerned agencies to  
implement the project.  
A Committee consisting  
of Prof. R.S. Sharma,  
Shri M.N. Deshpande  
and Prof. G.R. Sharma  
may be set up to advise  
on the proposal and its  
co-ordination with  
other agencies, visit  
the site and recommend  
a suitable grant for  
the implementation of  
the project.

Dr.(Miss) Prem  
Lata Sharma  
Head of Musicology  
Department  
B.H.U.

A Dictionary of Ancient  
Indian Music, Dance  
and Drama.

The proposal may be  
referred to Dr.  
Raghavan and Mrs.  
Kapila Vatsayan for  
their comments.

Dr. P.S. Gupta  
Professor  
Delhi University

Studies in British  
Imperialism East of  
Suez 1918-1947.

A grant of Rs.17,000/-  
was recommended.

Dr. S. Dwevedi  
Prof. & Head Deptt.  
of History.  
D.S.B. College  
Nainital.

Social & Cultural survey  
of Uttarakshand (Kumaun-  
Garhwal including some  
problems of its dynastic  
history.

This may be referred  
to Prof. P.C. Joshi  
of the Institute of  
Economic Growth,  
Dr. Suresh Singh,  
Secretary, Community  
Development, Government  
of Bihar and Prof. S.C.  
Dube, Director,  
Indian Institute of  
Advanced Study, Simla  
for their comments.

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1 ..... 2 ..... 3 ..... 4 .....

- 7. Prof. K.R.Hanumanthan  
Chief Professor  
Presidency College,  
Madras.      The impact of the  
West on the Social  
fabric of the Tamils  
with particular  
reference to the  
lower strata of the  
society.      The proposal may be  
redrafted in the light  
of comments received  
from the referees and  
the duration of the  
project may be limited  
to two years.
  
- 8. Dr. M. Radhakrishna  
Sarma, Reader  
Osmania University.      Salvage Archaeology:  
Area getting  
submerged under  
Srisaillam Hydr-  
electric Project.      A grant of Rs. 30,000/-  
may be provided for  
photography, acquiring  
of surface finds,  
survey and documen-  
tation.
  
- 9. Sh. V.R. Athavale  
P.G. and Research  
Deptt., S.N.D.T.  
College for Women,  
Bombay.      Marriage songs in  
some parts of  
Maharashtra.      The scholar may be  
advised to approach  
the Sangeet Natak  
Academy for support.
  
- 10. Prof. B.B. Lal  
Prof. of Ancient  
History  
Jiwaji University      Excavation at  
Ayodhya.

The proposal was  
accepted in principle.  
As advised by the  
referees, excavation  
work is to be limited to

Ayodhya. An Advisory  
Committee consisting  
of Prof. R.S. Sharma  
Shri M.N. Deshpande,  
Shri B.K. Thapar and  
Professor B.B. Lal  
may be set up to  
advise on and monitor  
the project and to  
suggest financial  
support for implemen-  
ting the project. A  
grant of Rs. 80,000/-  
may be made available  
from the U.G.C., for  
the first phase of  
excavation work. The  
Advisory Committee

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10. (contd.)

should meet at the site after the excavation work has sufficiently progressed. It was understood that a grant of Rs.20,000/- would be available from the Archaeological Survey of India.

11. Sh. Amalendu De Lecturer in History, Jadavpur Univ.

A.K. Fazlul Haq and his times. 1853-1947.

Rs.6,000/-

12. Shri V.N. Misra Reader Deccan College Poona

Investigations into the prehistory of rock-shelters at Bhimbetka Central India.

A grant of Rs.20,000/- was recommended (this proposal was transferred for implementation from short-term projects to advanced research projects).

13. Supplementary:

1. Dr. S. Settur Prof. & Head Department of History and Archacology Karnatak University.

Classical Kannada Literature as a source of History (9th to 16th Century) - Phase-I.

It was recommended that the period of investigation should be delimited; a grant of Rs.10,000/- may be provided for producing the first volume. Further support could be considered later.

Projects listed under S.No.3,8,10,13,14,15 and 17 could not be accepted.

Item No.5: To consider the proposals received from the university and college teachers for financial assistance for undertaking short-term projects.

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The following grants were recommended:

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S.No.	Name	Topic	Recommendations and support recommended
1	2	3	4
1.	Dr. Kanai Lal Hazra Lecturer Calcutta University	Royal patronage to Buddhism from the sixth century B.C. to the Twelfth Century A.D.	Rs.2,000/-
2.	Shri Laxmi Shankar Nigam, Lecturer D.B.D.K. College Balodabazar (Ravi Shankar Univ.)	Historical Geography of Sourther Kosal	Rs.2,500/-
3.	Sh.M.L.K. Murty Lecturer Deccan College Poona.	Explorations and excavations in the South eastern and Western Andhra Pradesh.	Rs.5,000/- for exploration only.
4.	Sh.P.C. Parikh Professor M.V. Mahila College Rajkot (Saurashtra Univ.)	A historical survey of the sculptures of Saurashtra (from 323 B.C. to 1300 A.D.).	Rs.3,000/-
5.	Shri H.C. Verma Lecturer Delhi University Delhi.	The role of routes in the North-West Frontier of Medieval India.	On reconsideration, a grant of Rs.2,500/- was recommended.
6.	Dr. P.K. Maity Lecturer Tamralipta Mahavidyalaya P.O. Tamluk (Distt. Midnapore).	Studies in the Social History of Medieval Bengal (1775-1765).	Rs.3,000/-
7.	Miss Roma Mitra Sr. Lecturer Miranda House College Delhi.	History of the Socialist Movement in India 1952-1974.	Rs.3,000/-
8.	Mrs. P.R. Rao Lecturer Stella Maris College Madras.	'The Evolution and development of Bombay (A Social, Economic, Educational and Cultural Study)' 1818-1840' (for Ph.D.)	Rs.2,000/-
9.	Sh. P.V. Kate Sr.Lecturer, Nutan Mahavidyalaya Sajlu(Marathwada Univ.)	Impact of Nizam's Regime on Marathwada (for Ph.D).	Rs.1,000/-



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2. Miss Vidya Dhar                      Archaeology  
Lecturer  
Allahabad Univ.
3. Khan Mohd. Ashiqullah              Modern Indian History  
Lecturer                                  Local History.  
Ravi Shankar  
University.
4. Behora Karuna Sagar                  Ancient Indian History  
Reader                                      and Culture.  
Utkal University.

Archaeology:

1. Mr. Thimmareddy                      Prehistoric Archaeology  
Kendapeta                                  Environmental Archaeology.  
Lecturer  
Andhra University

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Dated:

Meeting: 10th February, 1975

Item No. 29: To consider the recommendations made by the Panel on Philosophy at its meeting held on 16th and 17th October, 1974.

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The second, meeting of the Philosophy Panel was held on 16th and 17th October, 1974 in the Commission's office. All the members of the panel viz. Dr. Daya Krishan (Rajasthan University), Dr. N.K. Devaraja, (Banaras Hindu University), Dr. K.S. Murty (Andhra University), Dr. S. Bhattacharya (Indian Institute of Advanced Study), Dr. K.J. Shah (Karnatak University) and Dr. R.C. Pandeya (Delhi University) were present. Dr. S. Vahiduddin (Indian Institute of History of Medicine), Professor T.M.P. Mahadevan (Centre in Advanced Study in Philosophy), Professor Rajendra Prasad (Indian Institute of Technology, Kanpur) and Professor D.P. Chattopadhyaya (Editor, Indian Studies, Calcutta) attended the meeting by special invitation. The report of the meeting of the panel is attached (Annexure).

The main recommendations made by the panel are given below: -

1. The University Grants Commission may compile and publish a brochure giving an account of the courses and syllabi in Philosophy of all Indian Universities.
2. To avoid duplication of research a volume entitled "Philosophical Research in India" may be brought out. This should contain the synopses of all the Ph.D. and D. Litt. theses in Philosophy produced in Indian Universities since 1857. This project may be entrusted to the Centre of advanced Study in Philosophy, University of Madras.
3. A report giving an account of completed and on going research in Philosophy in Indian Universities should also be brought out. Similarly, an Index to all the articles in Philosophical journals in India may be compiled. These two tasks may be entrusted to the Philosophy Departments of the Universities of Poona and Rajasthan respectively.

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4. There is a great need for a real "History of Indian Philosophical Ideas (giving an account of their genesis and development) and this may be taken up as a major project by one or more University Departments of Philosophy. Universities may be asked to send proposal for this, which may be referred to the Panel.
5. There is a need for a comprehensive monograph on Dialectical Logic. Universities may be asked to send proposals for this which may be referred to the Panel. Work done in USSR and east Europe also must be thoroughly studied for this purpose.
6. Universities may be asked to submit proposals for a research project on "Science, Technology & Cultural Values". This investigation should, among other things, throw light on how Science and Technology are helping, hindering and/or modifying cultural values, and how in turn these latter are influencing the former.
7. A seminar on "what is living and what is dead in Indian Philosophy?" may be held in Andhra University, Waltair, with not more than 12 participants. A sub-committee consisting of Professor R.C. Pandeya (Delhi University) (Convenor) and Professor D.P. Chattopadhyaya (Calcutta) may be requested to prepare a working paper and a plan for this seminar.

The recommendations made by the Philosophy Panel are placed before the Commission for consideration.

E.O. (UR) / JS(I)

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## I

FINAL REPORT OF THE  
PANEL ON PHILOSOPHY  
(MEETING HELD IN AUGUST)COLLEGE IMPROVEMENT PROGRAMME

1. It is suggested that two types of Philosophy courses should be devised (i) those which would be useful for people who want to do further specialization and (ii) those which would be useful for students of natural sciences, social sciences & humanities who would like to do acquainted with philosophical ideas and methods.
2. We would suggest other social sciences departments to similarly formulate courses which would be useful for philosophy students.
3. We recommend that the University Grants Commission may consider giving inducement to teachers of affiliated colleges who would like to improve themselves by offering them facilities for going to university departments to spend a term or a year for taking courses or engaging themselves in a project. In the same way University teachers may also be given financial assistance to select some affiliated colleges and spend a term or a year in them teaching the undergraduates and holding seminars for the Philosophy teachers in the colleges. This programme may be implemented centrally.
4. Summer institutes may be planned in a thorough and careful manner and well in advance and the Panel may be entrusted with preparing a well-thought out Five Year Programme for this purpose. Universities may be asked to suggest areas in which summer schools should be held, and the panel asked to advise where it should help and who should organise.
5. Affiliated college libraries appear to be poor as far as books in philosophy are concerned. Special assistance may be given under the COSIP Programme to improve stocks in books in philosophy, and subsidized Xerox facilities may be made available in the University departments for supplying monographs of articles from current periodicals or other material for affiliated college teachers.

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### Curriculum Development for the Undergraduate Courses

The following subjects may be made compulsory:

- (a) Indian Philosophy: This may be taught to show how ideas have developed over the centuries and how there has been an interaction between them and the sociocultural environment. In other words, the historical approach rather than the six system approach may be adopted.
- (b) Logic: Modern Logic and scientific method may be taught.
- (c) History of Western Philosophy.
- (d) Ethics and Social philosophy. In this material from Indian as well as non-Indian and Non-Western Philosophers may be included.

### Postgraduate Courses:

It is suggested that self-sufficient courses which can be completed in one term or in one semester in addition to those which extend over the whole year may be constructed. The following four subjects and a weekly pro-seminar or discussion may be made compulsory:

- (1) Modern Formal Logic or Analytical techniques.
- (2) Classical Indian Philosophy. This should be taught problem-wise and the stereo-type, six system approach may be given up.
- (3) History of Western Philosophy : Greek, Medieval including Arab Aristotelianism and Modern Philosophy including Hegel and Marx should be taught in this course.
- (4) Contemporary Philosophy : A synoptic view of 20th Century Philosophy may be given.
- (5) We suggest that students may be made to participate in pro-seminars or discussion every week and their participation be assessed and credit may be given to this. This should be done jointly by 2 or more teachers who should be present in the pro-seminars or discussions (This sort of thing is being done at Andhra and Rajasthan) 6,7,8 & 9 : These should be optional

papers, and subjects which so far are not generally taught in Indian Universities may figure among them, e.g. - Sino-Japanese and Islamic Philosophies are. Medieval Philosophy, and East European Philosophies.

Postgraduate Facilities:

1. Sabbatical leave system may be introduced in Indian Universities. Meanwhile such teachers who want may be allowed to give concentrated courses, thus packing a year's work into a term of 4½ months and utilising the time thus freed for their own research work either in the same university or elsewhere.

2. The academic activities as far as possible may be spread evenly over the whole year instead of crowding them into the last term.

3. Independent summer courses of 2½ months duration may be organized for enabling affiliated college teachers to bring their knowledge upto date in the subjects of their choice and for such others who may be interested. The courses should be of M.A. level.

4. Senior Professors who wish to be free from administrative duties may be permitted to do so.

Present Status of Research

(a) There appears to be little organisational unity and coherence in many of the Ph.D. theses.

(b) Such of the Ph.D. research work is not taking into account the work that has been done in India.

(c) Much of it is also not oriented towards Indian Problems, needs and aspirations.

(d) Many of the Ph.D. theses are expository and show little evidence of an attempt to think independently.

Areas of Research to which Priority may be given:

Indian Philosophy: Critical studies rather than mere exposition and translations should be encouraged.

2. Authors instead of systems may be studied where possible. They may be studied in the cultural context in

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which they flourished and the influence they exerted on contemporary individuals and succeeding generations and the ways in which they in turn were influenced may be studied.

3. Analytical studies of texts, clarification of concepts and bringing to light the arguments employed - this is what is to be done in the case of doctoral as well as post-doctoral research work.

4. The following areas need to be fostered : Pramana Shastra, Dharma and Niti Shastras, Adhyatma Vidya Aesthetics, Sobdartha Mimamsa.

2. The Contribution of Maths and Sampradayas to the development of ideas and the role of the teachings of Medieval Saints in national life need to be investigated.

3. The inner dialectic of systems of philosophy and the way they arise and develop and change in interaction with other systems deserves study.

#### Non-Indian Philosophy:

The following areas may be given priority:

1. Social, Political and Legal Philosophies.
2. Philosophy of Education
3. Advanced Logic
4. Philosophy of Science
5. Continental European Philosophy
6. East, Asian and West Asian Philosophies.
7. East European Philosophies.

Inter-disciplinary approach:

The opportunity of single courses being offered by two or more persons from different departments or institutions may be afforded.

#### Pre-Ph.D. & Methodology : Courses

The possibility of having a common examination for all social Sciences or atleast having some common papers for all Social Sciences may be explored. Common courses in Dialectical method may be worked out for researchers and advanced students in Philosophy and Languages. The M.Phil. may be made compulsory for every body taking up Ph.D. programme. Courses may be given at the Zonal level pooling the resources of the different universities in a zone.

University Professorships:

Some Professorships unattached to any department may be created so that persons e.g. with a M.S. degree and a Ph.D. in Philosophy who have done important work in philosophy of Science or History of Scientific ideas may be appointed to them and give courses which would be of interest to persons from a number of departments. Similarly, persons with M.A. degree in Philosophy or History who have done doctorate work in Scientific method or Philosophy or History of Science should be eligible for these posts.

National Service Scheme:

(a) This scheme if it is to remain separate should continuously extend over a considerable period, say six months or more.

(b) There should be an optional paper consisting of 70% practical work and 30% theorisation about the practice wherever possible in the case of all subjects.

In October (1975) the Panel found itself in agreement with the recent UGC decision, and also suggests philosophers may attempt to reform and revolutionise thought and actions.

Proposal from Andhra University:

The concept of Bhakti may be articulated at a more theoretical level by the persons who sent the proposal and he may distinguish the types of Bhakti and the principles on which such distinctions are based. He should also clearly formulate the hypothesis to be investigated, stating the methodology to be employed in a clear manner.

Miscellaneous:

1. Concentrated crash courses for minimum competence in English and regional languages may be organised.

2. Special courses in European and Indian languages specially useful for philosophy researchers may be organized.

I. On Paragraphs 3 & 4 on page 1 the UGC may take action.

II. Paragrah 5 on page 1 needs action under the COSJP Programme.

III. Items on pages 2 to 5 may be circulated to the Universities for necessary action.

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II  
FINAL REPORT (CONTINUED) OF THE  
PANEL OF PHILOSOPHY

(Meeting held in October)

Courses & Syllabi:

The UGC may compile and publish a brochure giving an account of the courses and syllabi in Philosophy of all Indian Universities.

Doctorate Degrees:

(vide paragraph above on "Present Status of Research").

- a) Topics selected for research must be more rigorously philosophical.
- b) The reports of the examiners must be circulated, and the theses open for inspection to the entire faculty.
- c) Viva-Voce must be made compulsory; all the members of the department and persons from other departments interested in the subject of a thesis must be allowed to be present at the Viva-Voce. The Viva-Voce may be allowed to take the form of a debate between the examiners and the candidate on the conclusions of the thesis and issues arising therefrom.
- d) The Ph.D. degrees also may be graded.
- e) To avoid duplication of research a volume entitled "Philosophical Research in India" may be brought out. This should contain the synopses of all the Ph.D. and D. Litt. theses in Philosophy produced in Indian Universities since 1857. This project may be entrusted to the Philosophy Centre, University of Madras.

A Report giving an account of completed and ongoing research in Philosophy in Indian Universities should also be brought out. Similarly, an Index to all the articles in Philosophical journals in India may be compiled. These two tasks may be entrusted to the Philosophy Departments of the Universities of Poona and Rajasthan respectively.

The above publications will make possible a more discriminatory choice of research topics.

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Status Report :

Work on this can appropriately begin after the above three are published.

List of University Professors :

Corrections in the list supplied by the UGC suggested by the Panel have been noted by Dr. A.B. Gupta.

Along with seminar libraries faculty libraries may also be developed.

Relevance:

There was a good deal of discussion on this a summary of which will be prepared in due course by the Convener.

The Panel is in general agreement with the following points made in the note of Prof. D.P. Chattopadhyaya (Delhi) - (a) Courses should lay major emphasis on relating to Philosophy with social reality of the world in general and of our own country in particular, (b) Teaching should be related to problems which are living and real for the students (c) Research should be oriented, as far as possible, to problems relevant in the context of Indian society.

Course Innovation:

Every Postgraduate department should attempt to make innovation in curriculum and examination system. The teachers of the department should be autonomous in formulating syllabi and examination methods.

Such experimental courses may be given, discussed and evaluated in advance in workshops in which teachers from a number of universities participate.

Major Priority Research Projects:

- I. There is a great need for a real History of Indian Philosophical Ideas (giving an account of **their** genesis and development) and this may be taken up as a major project by one or more University Departments of Philosophy. Universities may be asked to send proposals for this, which may be referred to the Panel.
- II. There is a need for a comprehensive monograph on Dialectical Logic. Universities may be asked to send proposals for this, which may be referred to

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the Panel. Work done in USSR and East Europe also must be thoroughly studied for this purpose.

- III. A seminar on "What is living and what is dead in Indian Philosophy?" may be held in Andhra University, Waltair, with not more than 12 participants. A sub-committee consisting of Prof. R.C. Pandeya (Delhi University) (Convener) and Prof. D.P. Chattopadhyaya (Calcutta) may be requested to prepare a working paper and plan for this seminar. Based on this seminar a book in one or two volumes may be brought out. The Advanced Centre at Madras may be invited to undertake the preparation and publication of this book.
- IV. Universities may be asked to submit proposals for a research project on "Science, Technology & Cultural Values". This investigation should among other things, throw light on how Science and Technology are helping, hindering and/or modifying cultural values, and how in turn these latter are influencing the former.
- V. In a note earlier circulated to the Panel Prof. K. Satchidanda Murty suggested that a phased plan of investigation may be prepared to consider in what way "the morals of a world of reality, "essentially aggressive and self-centered, may be transformed into the morals of a world of ideality, essentially peaceful harmonious and disinterested. What is the appropriate theoretical basis for the right kind of social technology, queried this note, which can regenerate society and 'break the inspiration into a people? ". The Panel discussed - there and related ideas.

The Panel decided it was worthwhile to formulate a project in what may be termed "Alternative futuristics" (Dayakrishna) which will study - (a) conceptions of ideal society, their models and norms; (b) the extent to which these norms are exemplified in existing societies (c) the factors responsible for non and partial realisation of these norms; (d) the possible ways in which full realisation may be achieved; (e) the resources basis available for establishing an ideal society; (f) the method evaluating how far a society is or approximates to an ideal society; etc. (Dayakrishna & Rajendra Prasad).

A sub-committee may be constituted with the following to plan a research project concerning

this with the following members: Prof. Dayakrishna (Convener), Prof. K. Satchidanda Murty, Prof. Rajendra Prasad and Prof. K.J. Shah.

Identification of Departments for special Developmental Assistance in the V Plan Period.

Taking into consideration the achievements so far and the potentialities displayed, the Panel identifies Philosophy departments of the following Universities for consideration of special assistance in the V Plan Period.

South India, - Andhra University, Karnatak University. Western India - Poona University. North India - Rajasthan University, Delhi University, Lucknow University. Eastern India - Jadavpur University, Utkal University.

Research Proposals received:

The Panel's recommendations on the proposals placed before it were noted by Dr. A.B. Gupta.

Guidelines for UGC Assistance:

The UGC may observe the following criteria in assessing eligibility for assistance:

(a) The work done by the teachers of a department after they had obtained their doctorate degrees, and after they have become professors and Readers. The individual work of Professors and senior teachers in addition to guidance of research should be given weightage.

(b) Joint work done by two or more members of a department, or two or more persons belonging to different departments or institutions. If it is interdisciplinary work, so much the better.

(c) The extent to which the work of individual members of a department tends towards a unified focus or mutually supplements.

(d) Innovations in curricula, syllabi and teaching methods.

(e) Recruitment policy so far followed.

Conditions for Assistance:

The University Grants Commission should sanction

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extra posts on the following conditions:-

(a) Every new post should be specifically sanctioned to be filled by a specialist in a particular branch or field. (b) The Assistance should not be available unless the post is filled by a specialist in the field or branch specified (c) Local persons should be promoted to these new posts only if they have already produced good work in that particular field and have research publications to their credit. Assistance should be based on the basis of opportunities given to brilliance, whether local or from other states or regions, and not to mere seniority (d) Continuing assistance must depend on continuous good work.

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University Grants Commission

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Meeting:

Dated : 10th February 1975

- Item No. 30 To consider the Report of the Committee appointed by the Commission to advise on the Programmes for celebrating 400th Anniversary of Ram Charit Manasa in the Universities.

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The Commission agreed, at its meeting held on 10th September, 1973 (Item No.9), to implement the scheme of the Ministry of Education for financing fellowship/lecturship in the Universities on the occasion of the 4th Centenary Celebrations of Ramcharit Marsa. The Ministry of Education placed at the disposal of the Commission a sum of Rs.2.00 lakhs out of Rs.3.00 lakhs for financing the scheme during 1973-74 and 1974-75.

A committee, consisting of the following, was constituted to recommend programmes for propagation of new ideas and thoughts of Ramcharit Manasa.

1. Professor R.S. Sharma  
Delhi University
2. Professor Nagendra  
Department of Hindi  
University of Delhi.
3. Professor T.G. Mainkar  
Head of the Department of Sanskrit  
Bombay University
4. Professor V.P. Singh  
Head of the Department of Hindi  
Banaras Hindu University
5. Dr. H.L. Sharma  
Aligarh Muslim University

The Committee met on 10th September, 1974 and recommended organisation of lectures by eminent scholars and Research Projects to be undertaken in connection with the work of Ram Charit Manasa. The Committee also suggested organisation of 4 seminars at selected universities. The total financial implication involved in the recommendations of the Committee was Rs.3.00 lakhs for a period of two years.

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The Ministry of Education and Social Welfare have recently clarified that the entire amount of Rs.3.00 lakhs may be invested as an endowment and the interest accrued thereon be utilised towards propagation of new ideas and thoughts of Ramcharit Manasa. The Ministry of Education and Social Welfare further informed that the remaining amount of Rs. one lakh may be met out of the current year's budget of the Commission. A total amount of Rs.3.00 lakhs has been invested with the State Bank of India in fixed deposit on long term basis. An amount of Rs.30,000/- approximately will be available from the fund per annum as interest. A meeting of the Committee was convened on 22nd January, 1975. A copy of the minutes of the meeting is attached as Annexure. The main recommendations are:-

1. The annual amount of Rs.30,000/- may be utilised in equal proportion on (a) Organisation of visiting lectures by eminent Scholars/specialists and (b) Organisation of symposium at selected University Centres.
2. The first symposium may be organised at the Delhi University. A Standing Committee may be constituted for selecting the subject, the scholars and the centres.
3. Lectures of high academic value may be published.
4. A book, highlighting features on Tulsidas may be brought out. A sum of Rs.10,000/- may be earmarked by the Commission for the purpose.
5. The projects for research in Hindi submitted by Andhra University, Banaras Hindu University, Gujarat Vidyapith, Jamia Millia Islamia and Poona University may be financially supported by the Commission.

The matter is placed before the Commission for consideration.

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Report of the Committee appointed by the Commission to advise on the programmes for celebrating 400th Anniversary of Ramcharit Manasa in the Universities. (22nd January, 1975).

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The Committee constituted to advise the Commission for the programmes to be undertaken for celebrating the 400th Anniversary of Ram Charit Manasa met in the Commission's office on 22nd January, 1975. The following were present:-

1. Professor Satish Chandra  
Vice-Chairman  
University Grants Commission  
New Delhi.
2. Professor Nagendra  
Department of Hindi  
University of Delhi.
3. Professor T.G. Mainkar  
Head of the Department of Sanskrit  
Bombay University
4. Professor V.P. Singh  
Head of the Department of Hindi  
Banaras Hindu University  
Varanasi.
5. Dr. H.L. Sharma  
Aligarh Muslim University

Professor R.S. Sharma could not attend the meeting.

While explaining the earlier concept of the scheme, the Vice-Chairman informed the Committee that the Ministry of Education had recently clarified that the entire amount of Rs.3 lakhs is not to be spent on the celebration of the 400th Anniversary of Ram Charitmanasa, but an endowment fund may be established and the interest accrued thereon be utilised towards propagation of new ideas and thoughts of Ram Charit Manasa. An amount of Rs.30,000/- (approximately) will be available from the fund per annum, as interest.

The Committee after deliberations recommended the following programmes:

The annual amount of Rs.30,000/- may be utilised on equal proportion on

- (a) Organisation of Visiting Lectures by eminent Scholars/Specialists and

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(b) Organisation of symposium at selected University Centres.

1. Visiting Lectures

2-3 talks per year may be organised in Universities, which may be called "Tulsi Memorial Lectures" or "Tulsi Smarak Hasan Mala".

Proposals in this regard may be invited from the Universities. A lecturer may be paid an honorarium of Rs.2,000/- plus T.A./D.A. for two or three lectures. Thus within the amount of Rs.15,000/- four or five such talks could be arranged.

In the first year the topic may be confined to Social and Cultural Life as reflected in medieval Hindi literature. The scope of the talks may be broad based so that persons of different disciplines, Hindi, Sociology, Philosophy, Religion, History etc. could be invited.

The Committee felt that lectures of high academic value may be published. The Vice-Chairman agreed that the publication may be funded by the Commission under its publications scheme. A lecturer may be paid initially a sum of Rs.1,500/- only, the balance being payable when the manuscript is made available for publication.

The Committee was of the opinion that the entire country may be divided into five regions and there may be one lecture in one region at a time, every year. Tentatively it was agreed that the lectures may be organised at Cochin, Bombay, Bhubaneswar/Calcutta, Jammu and Udaipur.

2. Symposiums.

A symposium may be held around a specific problem within an expenditure of Rs.15,000/-, any additional amount required being financed by the host university. The first symposium may be organised at the Delhi University. The subject may be 'Human Values in Tulsi Literature' or 'Tulsi Sahitya Me Manav Mulya'.

3. The Committee suggested that a Standing Committee may be constituted for selecting the subject, the scholars and the Centres. The Committee, however, named a few specialists mentioned below:-

1. Professor Dev Raj  
Professor of Philosophy  
Banaras Hindu University

2. Smt. Mahadevi Verma  
1 Elgin Road  
Allahabad.



- 3. Dr. H.P. Dwivedi  
Naivedya Niketan, Ravindrapuri  
Varanasi.
- 4. Dr. Bhagwati Prasad Singh  
Head of the Department of Hindi  
Gorakhpur University  
Gorakhpur.
- 5. Professor S.C. Dube  
Director of Advanced Studies, Simla.
- 6. Professor Satish Chandra, Vice-Chairman, UGC.

The Vice-Chairman added that the members of the Standing Committee may also be invited to deliver lectures at Centres suitable to them. The Committee may also function as Hindi subject panel for clearing research proposals.

With a view to highlight the special importance of celebrating the 400 Anniversary of Ram Charit Manasa the Committee felt that a book highlighting features on Tulidas may be brought out and that the Commission may earmark Rs.10,000/- for the purpose. Dr. Nagendra Jagaich agreed to edit this book.

The Committee also recommended the following Projects for financial support by the Commission for Research in Hindi.

<u>University</u>	<u>Project</u>	<u>Financial provision</u>
1. Andhra	A comparative study of Ramcharitmanasa and Telugu Ramayanas.	A Senior Fellowship alongwith a contingent grant of Rs.2000/- per annum for a period upto three years plus an additional grant for the project amounting to Rs.5,000/- for two years.
2. Banaras	Human Values in the works of Tulidas.	A senior fellowship alongwith a contingent grant of Rs.2,000/-per annum for a period upto two years plus an additional grant for the project amounting to Rs.5,000/- for two years.
3. Gujarat Vidyapith	Influence of Tulidas on Gandhian Thought.	-do-

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University

Project

Financial provision

4. Jamia  
Millia  
Islamia

Urdu Translation of  
Ram Charitmanasa and  
the works of Tulsidas  
- a critical study.

A senior fellowship  
alongwith a contingent  
grant of Rs.2,000/-  
per annum for a period  
upto two years plus an  
additional grant for  
the project amounting  
to Rs.5,000/- for two  
years.

5. Poona

Marathi Translations  
of Ram Charitmanasa and  
other works of Tulsidas  
- a critical study.

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated: 10th February, 1975

Item No. 31: To consider the guidelines for the development of Correspondence Courses in the Fifth Plan.

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The Standing Committee on Part-Time Education at its meeting held on 14th October, 1974 considered the guidelines regarding introduction and development of correspondence courses for higher education during the Fifth Plan, which emerged out of the discussions at the meeting of the Directors of Correspondence Courses organised at the Delhi University on 10th, 11th and 12th October, 1974.

These guidelines were considered by the University Grants Commission at its meeting held on 11th November, 1974 (Item No.13).

The Commission generally accepted the guidelines suggested for the introduction of correspondence courses at the undergraduate and postgraduate levels. The Commission, however, desired that the question of organisational set-up for correspondence courses in the universities, particularly their relationship with the university teaching departments and the role of correspondence education in breaking new ground at the undergraduate level may be referred to the Standing Committee on part-time Education.

The Standing Committee on Part-Time Education at its meeting held on 17th January, 1975 modified the guidelines in the light of the resolution of the Commission cited above. The revised guidelines are attached (Annexure I & II)

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GUIDELINES FOR THE INTRODUCTION OF CORRESPONDENCE COURSES

1. The objective of correspondence education is to provide an alternative method of education to enable a large number of persons with necessary aptitude to acquire further knowledge and improve their professional competence. Correspondence courses are thus intended to cater for (a) students who had to discontinue their formal education owing to pecuniary and other circumstances (b) students in geographically remote areas (c) students who had to discontinue education because of lack of aptitude and motivation but who may later on become motivated (d) students who cannot find a seat or do not wish to join a regular college or university department, although they have the necessary qualifications to pursue higher education and (e) individuals who look upon education as a life-time activity and may either like to refresh their knowledge in an existing discipline or to acquire knowledge in a new area.
2. Correspondence education is essentially based on the supply of instructional material for home study but should be supported by personal contact programmes, student responses, library facilities, study centres, radio programmes and audio-visual aids. A well-conceived programme of correspondence education can be as effective and meaningful as regular daytime instruction in a college or a university department.
3. Correspondence courses can be tried out at different levels and in different subjects in the humanities, social sciences, sciences and some of the professional areas like law, social work, library training, engineering and technology etc. and, therefore, facilities should be as diversified as possible.
4. For a variety of reasons, the pattern of regular courses may have to be followed in correspondence courses but even within the existing set-up, it should be possible

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for the schools/institutes of correspondence courses to offer instructions for various areas of specialisation/optional papers which are not being offered to the regular students owing to lack of essential academic and physical facilities. This suggestion can be implemented immediately but regular students should also be permitted to offer these optional papers through correspondence.

5. Ordinarily, Correspondence Courses at the Undergraduate level should be introduced by only one University in a State except when a University proposes to introduce Correspondence Courses in new areas or when the University already offering Correspondence Courses reaches the optimum size (say an enrolment of 10,000) or for other valid reasons.

6. Correspondence courses should be started only by universities which have well-established teaching departments for in the absence of good teaching departments, standards are likely to suffer.

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7. The preparation of instructional material is crucial to the success of the entire programme of correspondence education and would require adequate preparation for the division of the course into integrated units and for the supply of lessons to the students well in time. Lessons should be written by the best available persons individually or in teams of 3-4; selected on all-India level or at least the state-level from among those who have experience of teaching the subject for at least five years. The panels of lesson writers should be drawn up by subject committees, each committee consisting of 7-9 members with due representation of the university department, the teaching staff of the Institute in that subject and the teachers of the subject in the affiliated colleges. The Director of the Institute of Correspondence Courses should be the convener of the committee. Suitable remuneration for writing of lessons should be paid to persons outside the institute; the rates suggested are : Rs.100 for each lesson for the pass course and Rs.125 per lesson for the main subject in the honours courses. The name of the author should be mentioned in the lesson. All lessons should be reviewed and edited. Lessons should be revised and made up-to-date at least once every three years and at more frequent intervals, whenever necessitated by changes in syllabi, comments of reviewers and feedback from students.

8. It should be compulsory for every student enrolled in correspondence course to return a certain number of response sheets, say 20 every year suitably spread over various subjects. While a student is expected to return all the response sheets, the submission of the prescribed minimum will be necessary condition of eligibility to appear at the university examination. If the prescribed number of student response sheets for the first or second term, are not returned within the specified time-limit, the admission of the student to the correspondence course should be cancelled. The student response sheets should be properly evaluated and returned to students with corrections remarks and suggestions. At least 10 per cent of the response sheets should be sample-checked in the institute to ensure that these are being properly evaluated by the staff. Some of the response sheets sent to students could be of the multiple-choice type and solutions provided so that the students can themselves ascertain their progress and grasp of the subject.

9. Depending on the availability of resources, high priority should be given to the setting up of study centres in areas where there is a concentration of students. There should be a study centre for every group of 500 students in an area. Advantage should be taken of the existing physical facilities and part-time staff in the colleges for

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running these centres. The study centres proposed to be set up by the UGC in the Fifth Plan should also be thrown open to correspondence course students. In some cities, there could be composite centres to cater for students enrolled with different universities.

10. The provision of contact programmes should be an essential feature of correspondence education in order that the mind of the student is exposed to the mind of the teacher through lectures, tutorials, seminars and other forms of discussion. A contact programme of at least two weeks duration should be organised in different places, wherever there is a cluster of 200 or more students besides Sunday classes which should be regularly organised for correspondence course students at the headquarters.

11. An institute of correspondence course should have a staff of one reader and one lecturer for the main subject at the undergraduate level. The total staff-strength should be determined on the basis of evaluation of response sheets (16 per day) writing of lessons (each lesson being equivalent to one week's work), editing of lessons (equivalent to three days' work), contact programme and guidance to students (actual number of hours); three-four lectures in a day should be treated as equivalent to one day's work. Each teacher should be available for at least 5 hours each day in the Institute. Some Institutes can work out two sessions in a day in order to have the maximum use of the existing physical facilities. A note on the norms of work of teachers in the Schools of Correspondence Courses is appended.

12. Grants for the introduction of correspondence courses at the under-graduate level should be earmarked for such programmes as contact programmes, study centres, writing of lessons, core staff and library facilities. The Visiting Committees of the UGC should consider the development requirements of the Institutes of correspondence courses for each plan period as in the case of university departments and affiliated colleges. Initial grants for the introduction of correspondence courses should be given for a period of five years. Subsequent grants should depend on the assessment of the Visiting Committees. Grants will be outside the plan allocation of the universities concerned. The basis for grants would be Rs.5,00,000 for the introduction of correspondence courses at the undergraduate level and Rs.1,00,000 p.a. per subject at the postgraduate level for a plan period.

13. It would be necessary to have the same selection procedure for teachers of correspondence courses as in the

case of the university teaching departments. The staff for correspondence courses should be borne on the strength of the university teaching department and seconded to work for a period of two to three years in the School of Correspondence Courses. They should continue some teaching and research in the parent department even during the period of secondment but so long as they remain on deputation with the School of Correspondence Courses, they would be responsible to the School. Teaching staff for the schools of correspondence courses could also be drawn from the university teaching departments and affiliated colleges for varying periods on the usual terms and conditions of deputation or from among the retired teachers who may be eligible for appointment under the rules of the university and are otherwise qualified. This does not, however, rule out the appointment of some minimum core staff in the Correspondence Schools.

14. A part of the staff of the Institute should be of the floating type so that necessary adjustments can be made in view of the fluctuations in enrolments and work load from year to year.

15. In view of the fact that evaluation and other jobs in the Institute of Correspondence courses have a peak period, such jobs may be got done on part-time basis, whenever necessary.

16. Students of correspondence courses (including those belonging to scheduled castes and tribes) should be entitled to the same concessions, freeships, scholarships etc. as the regular students of the university.

17. There should be a sufficient degree of freedom if students want to shift from the regular courses to correspondence course at the end of the first or second year of the degree course.



NORMS OF WORK OF TEACHERS OF CORRESPONDENCE COURSES

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1. The duties of a teacher will include the following:-
  - (i) Teaching under Personal Contact Programmes and such other teaching work as may be assigned by the University.
  - (ii) Editing, writing, revising, translating lessons and other reading materials.
  - (iii) Correction of Students' Response Sheets.
  - (iv) Such other work as may be assigned by the Department in connection with the arrangement of teaching.
  - (v) The obligation to take classes will be as relevant on Sundays and other holidays as on working days. In case the teachers are required to take the Personal Contact Programme classes on Sundays and/or other holidays, they will be paid an honorarium per class or will be permitted to avail of compensatory leave.
  - (vi) A teacher will also be required to take classes outside the headquarters whenever Personal Contact Programmes are arranged by the Directorates of Correspondence Courses. It shall be obligatory for every every number of the Department to attend such Personal Contact Programmes outside the headquarters depending upon the requirements of the Directorate.
  - (vii) Every teacher shall maintain a record of work done by him termwise and shall submit the same to the Department.
2. Each teacher shall be available on each working day in the Institute for such period as may be specified by the university.
3. A teacher will also be required, if necessary, to work during vacations to prepare reading materials, for reading of proofs, etc.
4. A teacher will be entitled to compensatory leave as per the University rules, if he is required to work during vacations or holidays. The work done by the teacher during such periods shall count towards work done by him.

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Additional Guidelines for the Introduction  
of Correspondence Courses at the Postgraduate  
level.

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1. Correspondence courses at the postgraduate level should be started only in those universities which have experience of running undergraduate correspondence courses properly for at least three years. The undergraduate correspondence programme should be fully consolidated in accordance with the guidelines before correspondence courses are offered at the postgraduate level.
2. Correspondence courses at the postgraduate level should be started only in those subjects in which the university has well-established postgraduate departments noted for their high standards. The head of the department concerned should be willing to assume full responsibility for the maintenance of standards.
3. Course-material for postgraduate students should be in the nature of guidelines which should be supplemented by suggested readings, extracts from journals, source materials, reference books etc.
4. Selection of panels for preparing guidelines will be done on the same basis as at the undergraduate level but the remuneration for each guideline should be Rs.150.
5. The provision of study centres, library facilities, student responses, contact programmes will be on the same principle as for undergraduate courses subject to the following modifications:-
  - 5(a) In lieu of response sheets, students may also be required to write at least 5 essays in each paper during the year. In universities which have introduced internal assessment for regular students, the essays written by correspondence course students should be assessed and the marks/grades shown separately in the marks-sheets.
  - 5(b) There should be one orientation programme of at least three days and at least two contact programmes, each of 15 days duration for tutorials, seminars discussions and other forms of discussion and contact between the teachers and students.
6. There should be a core-staff of two readers and three lectures to be adjusted over two years of the postgraduate course and different areas of specification/

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optional papers. The norms of work load may be:-

- i) Preparation of each guideline to be equivalent to one week's work.
- ii) Editing of a guideline to be equivalent to three days work.
- iii) Contact programmes and guidance to students (actual number of hours).
- iv) 2-3 lectures to be equivalent to one day's work.
- v) Each teacher to be available in the Institute for at least 5 hours.

7. The basis of grants and assessment by visiting committees would be the same as at the undergraduate level but the ceiling of UGC assistance will be Rs. one lakh per subject per annum for a period of five years. The grants should be for core-staff, preparation of reading materials, contact programmes, provision of visiting lecturers, books and journals and postal library services.

8. The staff in the Institute of Correspondence Courses and university departments should be interchangeable. One way of realising this would be to have the teaching staff in the Institutes of Correspondence Courses on secondment basis from the university departments or postgraduate colleges of the university.

9. Correspondence Courses at the postgraduate level should not be started without the prior concurrence of the University Grants Commission. This provision is necessary in the interest of maintenance and coordination of standards for which the U.G.C. has a statutory responsibility.

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UNIVERSITY GRANTS COMMISSION

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Meeting:

Dated : 10th February, 1975

Item No. 32 To consider the recommendations of the Panel of Scientists and the Science Research Council regarding research projects to be supported during V Plan period.

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The University Grants Commission, at its meeting held on 6th December, 1973 agreed in principle with the policy and procedure enunciated by the Science Research Council (formerly Standing Committee on Scientific Research and Development) for support of research in the universities and colleges. The Commission at its subsequent meeting held on 18th April, 1974 (Item No. 35) while considering the recommendations made by the Panels and Science Research Council approved a total number of 40 research projects in different subjects at a total cost of Rs. 11,65,600/-. The sanction of the Commission to the implementation of these projects has been conveyed to the concerned universities/institutions.

Subsequently, the research projects received from the universities/colleges, in the revised proforma suggested by the Science Research Council were referred to experts suggested by the Convenor of the subjects panels for evaluation. The projects evaluated by the experts/specialists were placed before the respective panels and the Science Research Council. A total number of 93 research projects have been recommended by the Panels and the Science Research Council as indicated below. Details relating to each project alongwith the financial requirement are indicated in Annexure.

<u>Subject</u>	<u>No. of Projects approved</u>	<u>Grants recommended</u>
Physics	29	Rs. 21,10,400
Chemistry	41	Rs. 18,56,200
Biological Sciences.	20	Rs. 10,95,400
Mathematics	3	Rs. 60,300
	<u>93</u>	<u>Rs. 59,22,000</u>

The Physics and Chemistry Panels have further suggested that small expert committees may be appointed by the Commission to visit Aligarh (Physics), Poona (Physics), Panjab (Physics), Kurukshetra (Chemistry) Universities to examine the departmental and individual research projects. It has further been suggested that these committees, wherever, necessary may help the staff members to revise the projects so as to co-ordinate efforts and obtain maximum benefits from the facilities already available and those that may be added.

The matter is placed before the Commission.

## PHYSICS.

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S.No.	Principal Investigator	Title	Grants recommended
1	2	3	4
<u>PHYSICS</u>			
1.	Dr. M.P. Verma Head of the Deptt. Agra College, Agra (Agra University)	Dielectric Behaviour of Ionic, Convalent and ferroelectric crystals.	S.R.F. - 1 Rs 600/- p.m. Desk Calculator - 1 Rs 8,000/- Other Expenditure Rs 5,000/-p.a. Total: Rs 44,600/- for 3 years.
2.	Dr. A. Alluriah Asstt. Professor Regional Engineering College, Warangal (Andhra University)	Digital Electrometer	S.R.F. - 1 Rs 600/- p.m. Contingency Rs 2,000/- p.a. Books and Journals Rs 6,000/- Equipment, Components etc. Rs 36,000/- Total: Rs 69,600 for 3 years.
3.	Prof. V* Venkateswara Rao, Head of the Deptt. of Physics Regional Engineering College, Warangal (Andhra University).	Development of systematic automatic design programme for the component and three component objectives with special emphasis on photographic systems.	S.R.F. -1 Rs 600/- p.m. Contingency Rs 2,000/- p.a. Computation Rs 5,000/- p.a. Total: 42,600 for 3 years.
4.	Dr. N.G. Puttaswamy Reader Bangalore University	Mossbauer effect study of Binary Alloys.	S.R.F. - 1 Rs 600/- p.m. Contingency Rs 2,000/- p.a. Instruments Technician - 1 Equipment (with one multi- channel Analyser) Rs 1,75,000/- Total: Rs 2,15,200/- for 3 years.
5.	Dr. P.K. Misra Head Berhampur University	Properties of Solids	J.R.F. - 2 Rs 400/- p.m. Computation Rs 5,000/- p.a. Contingency Rs 5,000/- p.a. Total: Rs 61,200/- for 3 years
6.	Dr. L. Satapathy and Dr. (Mrs) Mamata Satapathy. Berhampur University	a) Study of four-body co-relations in medium heavy endneçlei b) Phenomological and microscope studies of variation of Intrinsic shape in the ground state bands of deformed and soft nuclei and the phenomnon of Phase transition.	J.R.F. 3 Rs 400/- p.m. Contingency Rs 5,000/- p.a. Computation Rs 5,000/- p.a. Total: Rs 61,200/- for 3 years.

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1	2	3	4
7.	Prof. M.C. Joshi Bombay University	Heavy Ion Implementation in Solids(Semiconductors).	S.R.F. - Rs 600/- p.m. Technical Asstt. - 1 Consumables Rs 10,000/- p.a. Contingency Rs 20,000/- p.a. Total: 1,24,000/- for 3 years
8.	Prof. M. De Calcutta University	Modulation and optical filtering in partially coherent light.	S.R.F. - 1 Rs 600/- p.m. JRF - 1 Rs 400/- p.m. Contingency Rs 2,000/- p.a. -do- Rs 1,500/- p.a. Technical Asstt. - 1(Rs250/-p.a.) Equipment Rs 45,000/- Total: Rs 1,01,700/- for 3 years
9.	Prof. J.C.Palathingal Calcutta University	Theoretical investigation of Nuclear structure and experimental measurements and life times of Nuclear excited.	Computation Rs 4,500/- Materials Rs 15,000/- Contingency Travel etc. Rs 7,500/- Total: Rs 27,000/- for 3 years Staff: Rs 2,70,000 (Acad.& Tech.)
10.	Dr.C.S.G.K. Setty Delhi University	Studies of the Ionosphere	Equipment Rs 2,00,000/- Contingency Rs 10,000/- p.a. Total: Rs 5,00,000/- for 3 years
11.	Shri H.Saha Kalyani University	Photoelectrical properties of Cds Solar cells	JRF - 2 Rs 400/-p.m. Equipment Rs 77,000/- Computation Rs 5,000/- p.a. Contingencies Rs 1,500/- p.a. Total: 1,32,200/- for 3 years
12.	Dr. N. Umakantha Reader Karnatak University	Development of student laboratory. Experiments in Nuclear Physics.	Equipment Rs 30,000/- Total Rs 30,000/- for 3 years.
13.	-do-	Polarization effects on the energy loss of electrons.	Total grant of Rs 30,000/- approved for the project under S.No.12 is also be utilised for this purpose
14.	Prof.K.Venkataraviiah Osmania University	Fabrication of Wide Line Nuclear Magnetic Resonance Spectrometer and study of single and polycrystall- ine Non-Metallic solids.	J.R.F. -1 Rs 400/- p.m. Technician - 1 (Rs250-500) Equipment Rs 60,000 Chemicals, Glassware, travel and contingency Rs 20,000/- p.a. Total Rs 1,62,600/- for three years.
15.	Prof. D.Krishnamurti Mysore University	Basic Research on liquid crystals	J.R.F. -2 Rs 400/- p.m. Tech.Asstt. - 2 Contingency Rs 15,000/-p.a. Equipment Rs 1,10,000/- Total: Rs 2,16,200/- for 3 years. p.t.o.

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1	2	3	4
16.	Dr.D.L.Radhakrishna Setty Mysore University	Nuclear & Electron Magnetic Resonance spectroscopy.	    
17.	Dr. H.S. Gurn Panjabi University	Stellar structure:Evolution and Pulsation.	S.R.F. - 1      Rs 600/- p.m. Contingency    Rs 2,000/- p.a. Computation    Rs 10,000/- p.a. Total: Rs 57,600/-for 3 years
18.	Dr.M.K. Srivastava Roorkee University	The study of scattering of atoms ions and molecules by charged particles impact.	S.R.F. - 1      Rs 600/- p.m. Computation    Rs 30,000/- Books and Journals        Rs 1,000/- p.a. Travel contingency    Rs 2,000/- p.a. Total: Rs 60,600/- for 3 years.
19.	Dr. H.S. Shah South Gujarat University	Optical & Magneto-optics of displaced metals.	J.R.F. - 2      Rs 400/- p.m. Tech.Asstt. 1 Equipment      Rs 46,000/- Books and Journals        Rs 30,000/- Contingency    Rs 1,500/- p.a. Total: Rs 1,02,400/- for 3 yrs.
	Departmental Project Visva Bharati	Theoretical studies in the quantum phenomena of particles, solids, liquids and radiation.	Books & Journals Rs 15,000/-p.a. Travel            Rs 10,000/-p.a. Total: Rs 75,000/- for 3 yrs.
	Dr.V.S.Ananthanarayanan Indian Institute of Science Bangalore.	Construction of a different- ial micro-calorimeter for application to Biologically important systems.	S.R.F. - 1      Rs 600/- p.m. Tech.Asstt. - 1 Lab. Asstt. 1 (Two years only) Contingency Rs 2,000/- p.m. for two years only Equipment      Rs 26,500/- Books and Journals Rs 25000/-  Working expenses - Rs 10,000/- Total Rs 90,300/- for 3 years.
	Prof. M. Vijayan Indian Institute of Science Bangalore.	X-ray crystallographic and other investigations on the structure of Biologically and med'ci- nally important molecules.	Equipment      Rs 1,60,000/- Contingency    Rs 10,000/- p.a. Total: Rs 1,90,000/-

p.t.o.

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1	2	3	4
23.	Prof. R.K. Poddar Calcutta University	Molecular Biology: Biophysical Aspects	S.R.F. - 2 Rs 600/- p.m. Tech. Asstt. - 1 (About Rs 450/- p.m.) Equipment Rs 1,50,000/- Contingency Rs 15,000/- p.a. Contingency Rs 2,000/- p.a. Total: 2,66,400/- for 3 years.
24.	Dr. K.P. Joshi Indore University	Effective interactions in Nuclei and Realistics Interactions.	Computation Rs 5,000/- p.a. Books and Journals Rs 2,500/- p.a. Total: 22,500/- for 3 years.
25.	Dr. S. Guha School of studies in Physics Vikram University	Instabilities in solid state Plasmas.	J.R.F. - 2 Rs 400/- p.m. Books and Journals Rs 7,500/- Computation Rs 9,000/- Travel and Contingency Rs 12,000/- Total: Rs 59,700/- for 3 years.
26.	Dr. G.M. Srinivasan St. Joseph's College Tiruchirapetti.	Estimation of internal pressure in liquids, liquid mixtures and sometimes and theory of liquid state.	Frequency counter Rs 10,000/- Contingency Rs 5,000/- p.a. Total: Rs 25,000/- for 3 years.
27.	Prof. V.D. Gupta Lucknow University	An experimental and Theoretical study of Conformation, Conformational statistics and conformation transition in macromolecules with special emphasis on biopolymeric systems.	S.R.F. - 1 Rs 600/- p.m. Computer time Rs 6000/- Travel Rs 3500/- Materials Rs 6000/- Total Rs 37,100/- for 3 years.
28.	Prof. V.T. Deshpande Osmania University	Design and fabrication of X-ray powder diffractometer and X-ray measurements of Lattice parameters, Thermal expansion, Debye Temperatures and amplitudes of Atomic Vibrations of some rare compounds.	Equipment - 30,000/- Contingency Rs 10,000/- p.a. Total: Rs 60,000/- for 3 years.
29.	Prof. G. Sivaram Sastry Osmania University	Studies on Electrons Spin resonance Spectra of some Transitions metalions.	S.R.F. - 1 Rs 600/- p.m. J.R.F. - 1 Rs 400/- p.m. Contingency Rs 3,500/- p.a. Equipment Rs 28,000/- Total: Rs 75,700/- for 3 years.



CHEMISTRY

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S. No.	Principal Investigator	Title	Grants Recommended
1.	Prof. P.S. Radhakrishnamurthy, Head of the Department of Chemistry Berhampur University.	Redox Reactions with Ferricyanide.	J.R.F.-1 Rs.400/- p.m. Contingency-Rs.5000/- p.a. Total: Rs.30,600 for three years.
2.	Prof. R.P. Rastogi, Head, Gorakhpur University.	Thermodynamic Studies of Membrane Phenomena.	S.R.F.-1 Rs.600/- p.m. J.R.F.-1 Rs.400/- p.m. Contingency-Rs.5000/- p.a. Total: Rs.52,200/- for three years.
3.	Dr. Rup Dutta B.I.T.S., Pilani.	Effect of exchange cation on the catalytic activity of Indian clay minerals.	Equipment Rs.6500/- J.R.F.-1 Rs.400/- p.m. Contingency Rs.2000/- p.a. Total: Rs.23,100/- for three years.
4.	Dr. Naseer Ahmed Reader, Aligarh Muslim Univ.	Synthesis and use of Pseudo Contact N.M.R. Shift Reagents.	S.R.F.-1 Rs.600/- p.m. J.R.F.-1 Rs.400/- p.m. Contingency- Rs.5000/- p.a. Total: Rs.52,200/- for three years.
5.	Dr. Nurul Islam Reader, Aligarh Muslim Univ.	Optical spectra electrical conductances, densities, viscosities, diffusivity, thermodynamic and electrochemical measurements of molten salt systems and their technical applications.	S.R.F.-1 Rs.600/- p.m. J.R.F.-1 Rs.400/- p.m. Contingency-Rs.5000/- p.a. Total: Rs.52,200/- for three years.
6.	Dr. M.A. Beg, Reader Aligarh Muslim Univ.	Reactions of Transition metal Halides in the Solid State.	S.R.F.-1 Rs.600/- p.m. J.R.F.-1 Rs.400/- p.m. Contingency-Rs.5000/- p.a. Total: Rs.52,200/- for three years.

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1	2	3	4
7.	Dr. G.S. Gupta Reader, Aligarh Muslim Univ.	Chemical studies in the indigenous medicinal & aromatic plants.	J.R.F.-1 Rs.400/- p.m. Contingency-Rs.2500/- p.a. Total: Rs.23,100/- for three years.
8.	Dr. J.P. Singhal; Reader, Aligarh Muslim Univ.	Adsorption and reactions of pesti- cides, organics and Trace metals on Clays & Soils.	S.R.F.-1 Rs.600/- p.m. J.R.F.-1 Rs.400/- p.m. Contingency-Rs.5000/-p.a. Total: Rs.52,200/- for three years.
9.	Prof. V. Pandu Ranga Rao, P.G. Centre, Guntur, Andhra University.	Studies on metal chelate compounds and their solvent extra- cation and catalytic activity.	J.R.F.-1 Rs.400/- p.m. Contingency-Rs.5000/-p.a. Total: Rs.30,600/- for three years.
10.	Dr. Kalluri Subba Rao, Reader, Banaras Hindu Univ.	Cellular prolifera- tion and hypertrophy in developing brain - the possible effects of undernutrition.	Equipment: Rs.12,000/- Lab.Asstt.1 Animal House Attendant - 1 Contingency: Rs.5000/-p.a. Total: Rs.45,000/- for three years.
11.	Dr. A.K. Banerjee Delhi University	Homogeneous catalysis by transition metal complexes.	J.R.F.-1 Rs.400/-p.m. Contingency:Rs.2500/-p.a. Total: Rs.23,100/- for three years.
12.	Dr. K.B. Pandeya, Delhi University	Coordination Chemistry of Trace elements in Human Body.	J.R.F.-1 Rs.400/- p.m. Contingency-Rs.2500/- p.a. Total: Rs.23,100/- for three years.
13.	Dr. A.N. Maitra, Delhi University.	Studies on the mechanism of the inhibition action of some organic compounds on the acid corrosion of metals.	Equipment: Rs.5000/- J.R.F.-1 Rs.400/- p.m. Contingency:Rs.2500/-p.a. Total: Rs.28,100/- for three years.
14.	Prof. S.S. Sandhu, Head, Guru Nanak Univ.	Studies of the inter- action of metal ions with model Biological molecules.	S.R.F.-1 Rs.600/- p.m. J.R.F.-1 Rs.400/- p.m. Contingency:Rs.5000/-p.a. Total: Rs.52,200/- for three years.

1.....2.....3.....4.....

- 15. Dr. R.K. Datta, Lecturer, Jadavpur University. A molecular orbital study of the bending of some simple organo metallia compounds. J.R.F.-1 Rs.400/- p.m. Computations etc. Rs.3000/-p.a. Total: Rs.24,600/- for three years.
- 16. Prof.R.V. Gopala Rao, Jadavpur University. A study of liquid state. S.R.F.-1 Rs.600/- p.m. Contingency: Rs.3000/-p.a. to be added to earlier grants: Rs.30,600/-

(It has been noted that Professor Gopala Rao has been sanctioned grants for other project. The grant approved including one J.R.F. and Contingency of Rs.2,000/- p.a. for two years. He may be asked to concentrate on "Dynamical properties of liquid state and an Accoustic study of the Liquid State". This project may be merged with the earlier project. Total grants recommended for the combined project:is:

S.R.F.-1 Rs.600/-p.m.  
 J.R.F.-1 Rs.400/- p.m.  
 Contingency: Rs.5000/-p.a.  
 Total: Rs.52,200/- for three years.

- 17. Prof.M.N. Das & Dr. K.K. Kundu, Jadavpur University. Studies on Electrolyte Solutions in Nonaqueous Media-Equilibrium Properties and Reaction Rates. S.R.F.-1 Rs.600/- p.m. J.R.F.-1 Rs.400/- p.m. Contingency: Rs.5000/-p.a. Rs.67,800/- for three yrs.
- 18. Prof.(Mrs.)K.K. Rohatagi Mukherjee, Jadavpur University. Photochemistry of Biologically important molecules. Equipment: Rs.25,000/- S.R.F.-1 Rs.500/- p.m. J.R.F.-1 Rs.400/- p.m. Contingency: Rs.5000/-p.a. Total: Rs.77,200/- for three years.
- 19. Dr. Amalendu Das, Reader, Jadavpur University. Investigations on Mucins. J.R.F.-1 Rs.400/- p.m. Contingency: Rs.2,000/-p.a. Total: Rs.21,600/- for three years.
- 20. Dr.K.K. Mahalanabis, Lecturer in Organic Chemistry, Jadavpur University. Studies on the Chemistry of Isotriazole ring systems. J.R.F.-1 Rs.400/- p.m. Contingency: Rs.2,500/-p.a. Total: Rs.23,100/- for three years.

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- 21. Dr. Ramagopal Bhatta- Isolation and studies on the structure and bonding of some biologically active metal complexes with special reference their fungicidal and mosquitosterilising properties. J.R.F.-1 Rs.400/- p.m. Contingency-Rs.3000/-p.a. Total: Rs.24,600/- for three years.
- 22. Prof. G.S. Misra, Jabalpur Univ. Redox Polymerization. S.R.F.-1 Rs.600/- p.m. J.R.F.-1 Rs.400/- p.m. Contingency-Rs.5000/-p.a. Total: Rs.52,200/- for three years.
- 23. Prof. R.G. Kapoor, Head, Jodhpur University Kinetics of Oxadations by metal ions. J.R.F.-2 Rs.400/-p.m. Contingency-Rs.4000/- p.m. Total: Rs.43,200/- for three years.
- 24. Dr.K.N. Mehrotra, Jodhpur University Physical properties and industrial application of transition metal soaps. J.R.F.-1 Rs.400/- p.m. Contingency-Rs.2,500/-p.a. Total: Rs.23,100/- for three years.
- 25. Dr. P.C. Jain, Reader Kurukshetra Univ. X-ray diffraction and three-dimensional Crystal structure determination of substances of chemical biochemical and Solid State interest. J.R.F.-2 Rs.400/- p.m. Contingency; travel, computations etc. Rs.6000/-p.a. Total: Rs.49,200/- for three years.
- 26. Dr. D.M. Puri Reader, Kurukshetra Univ. Formation Constants and reaction mechanism of transition metal complexes. J.R.F.-2 Rs.400/- p.m. Contingency:Rs.4000/- p.a. Total: Rs.43,200/- for three years.
- 27. Dr. H.R. Pujari, Reader, Kurukshetra Univ. Synthetic studies on Bridgehead Nitrogen hetero cycles as potent anthelmintics, J.R.F.-1 Rs.400/- p.m. Contingency-Rs.2500/- p.a. Total: Rs.23,100/- for three years.
- 28. Dr.S.S. Pawar, Reader in Biochemistry, Marathwada Univ. Effect of multiple intoxication of xenobiotics and drugs on the hepatic mixed function oxidase system. J.R.F.-1 Rs.400/- p.m. Contingency-Rs.3000/-p.a. Total: Rs.24,600/- for three years.

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- 29. Dr.K.G. Marathe, Photochemical and Equipment: Rs.6000/-  
Reader in Organic tracer studies in (to be fabricated)  
Chemistry, semi-synthetic J.R.F.-1 Rs.400/- p.m.  
Poona University. steroid and Contingency- Rs.2500/-p.a.  
penicillin system Total: Rs.29,100/- for  
and related N.S.O. three years.  
heterocycles.
  
- 30. Dr. N.S. Narasimhan, Synthesis of Hetero J.R.F.-1 Rs.400/- p.m.  
Poona University. cyclic compounds. Contingency: Rs.2,500/-p.a.  
Total: Rs.23,100/- for  
three years.
  
- 31. Dr. J.P. Tandon, Studies of Organic J.R.F.-2 Rs.400/- p.m.  
Reader, derivatives of boron Contingency: Rs.4,000/-p.a.  
Rajasthan Univ. containing boron- Total: Rs.43,200/- for  
nitrogen bond. three years.
  
- 32. Dr. R.K. Bansal, Synthesis of some J.R.F.-1 Rs.400/- p.m.  
Rajasthan Univ. novel Hetero Contingency: Rs.2000/- p.a.  
Cyclics through Total: Rs.21,600/- for  
Ylide-Intermediates. three years.
  
- 33. Prof. R.C. Mehrotra Apparently covalent Equipment: Rs.1,00,000/-  
Vice-Chancellor, compounds of highly and fittings:  
Delhi University. electropositive Special Chemicals:Rs.10,000/-  
elements and their (NR)  
applications in S.R.F.-2 Rs.600/- p.m.  
Biological systems. J.R.F.-2 Rs.400/- p.m.  
One Lab.Attendent, One  
Lab. Technician:Rs.6,000/p.a.  
working expenses:Rs.10,000/-  
p.a.  
Total: Rs.2,32,400/- for  
three years.
  
- Dr. S.N. Tandon Studies on synthetic S.R.F.-1 Rs.600/- p.m.  
Roorkee Univ. inorganic Ion J.R.F.-1 Rs.400/- p.m.  
Exchangers. Contingency: Rs.5,000/-p.a.  
Total: Rs.52,200/- for  
three years.
  
- Dr. S.K. Srivastava Studies on inorganic J.R.F.-2 Rs.400/- p.m.  
Roorkee Univ. Ion exchange Contingency: Rs.4,000/-p.a.  
membrane. Total: Rs.43,200/- for  
three years.
  
- Prof. R.D. Patel Laevulinic Acid from J.R.F.-1 Rs.400/- p.m.  
Head, Sucrose and One Chemical Assistt.  
Sardar Patel Univ. Novaldiamine from Contingency: Rs.5,000/- p.a.  
laevulinic Acid. Total: Rs.29,600/- for  
three years.

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37.	Prof. G.V. Bakore, Professor, Udaipur Univ.	Kinetic studies of Fast Reactions in Selection study of some Electron Transfer Reactions of Transition Metal Ions with compounds of Biological Significance.	Equipment: Rs.50,000/-- S.R.F.-1 Rs.600/- pp.m. J.R.F.-1 Rs.400/- pp.m. Contingency-Rs.5000/- p.a. Total: Rs.1,02,200 for three years.
38.	Dr. K.S. Suresh Reader, Udaipur University	Synthesis of Antima- lerial drugs.	J.R.F.-1 Rs.400/- pp.m. Contingency-Rs.2,000/- p.a. Total: Rs.21,600/- for three years.
39.	Prof. N. Appala Raju Sri Venkateswara University.	Investigations of some important subsidiary elements in a ores of Rayalaseema and other parts of Andhra Pradesh.	S.R.F.-1 Rs.600/- pp.m. Contingency-Rs.,000/- p.a. Total: Rs.30,600/- for three years.
40.	Dr.S. B. Rao Reader, Srivenkateswara University.	Extraction Polaro- graphic studies.	Equipment: Rs.5,000/-- S.R.F.-1 Rs.600/- pp.m. J.R.F.-1 Rs.400/- pp.m. Contingency:Rs.5,000/- p.a. Total: Rs.87,200/- for three years.
41.	Prof. A.K. De, Head, Visva Bharati	Studies on Synthetic Inorganic Ion exchangers.	Equipment Rs.15,000/-- S.R.F.-1 Rs.600/- pp.m. J.R.F.-1 Rs.400/- pp.m. Contingency:Rs.5000/- p.a. Total: Rs.67,200/- for three years.

Total Proposals accepted:  
Grants recommended over a  
period of three years:

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Rs.18,56,200/-

b. Principal Investigator	Title	Grants recommended
2	3	4

BANY

Dr. O. Saxena Department of Botany Gujarat University.	Biochemical aspects of seed deterioration in peanut.	This may be considered as second priority proposal.
Dr. S.M. Jorapur Karnatak University	Cytotaxonomical and Cytochemical studies of orchids.	J.R.F. 1      Rs 400/- p.m. Contingency      Rs 2000/- p.a. Travel      Rs 2000/- p.a. Total Rs 27,600 for 3 years.
Dr. M.Y. Nayudu Reader in Botany & Dr. D. Adinarayana Reader in Chemistry Sri Venkateswara Univ.	Search for new Phytoa- lexins & Related Compounds.	J.R.F. - 2      Rs 400/- p.m. Chemicals      Rs 3000/- p.a. Field work &      Rs 2000/- p.a. Contingencies Total: Rs 29,200/- for two years.
Dr. M.M. Laloraya Reader in Botany Gujarat University	Phytochrome and photo- morphogenic reactions in the control of photomor- phogenesis in plants.	J.R.F. - 2      Rs 400/- p.m. Contingency      Rs 3000/- p.a. Total: Rs 40,200/- for 3 yrs.
Dr. T.N. Bharadwaja Deptt. of Botany Govt. College, Ajmer (Rajasthan University)	Cyto-taxonomic and Experimental studies of the Pteridophytic Flora of Rajasthan	J.R.F. - 1      Rs 400/- p.m. Contingency      Rs 3000/- p.a. Travel      Rs 1000/- p.a. Total: Rs 27,600 for 3 years.

BIOLOGY

Dr. B.R. Singh Bihar University	Development of air breathing organs and Oxygen utilisation of some air-breathing fishes in India.	J.R.F. - 2      Rs 400/- p.m. Chemicals and Glassware      Rs 2,500/- p.a. Contingency.      Rs 4,000/- p.a. Total: Rs 50,700/- for three years.
Dr. G.K. Lehri Lecturer Regional College of Education, Bhopal	Biochemicals aspects of fish productivity and their application in Madhya Pradesh fisheries.	Investigator should concentrate only on "Hormones and reproductive behaviour of fishes" for this J.R.F. - 1      Rs 400/- p.m. Contingency      Rs 2,000/- p.a. recommended Total: Rs 21,600/- for three years.

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8.	Dr. Ashok Gosh- Calcutta University.	To study the Physiology- of reproduction in boullicoot rats and to develop methods of sterilization to control their population.	J.R.F. - 2    Rs 400/- p.m. Contingency    Rs 5,000/- p.a Total: Rs 46,200/- for three years.
9.	Dr. S.R.V. Rao Delhi University	Ostagenetical studies on rodents from the Indian sub-continent.	Salaries of supporting Staff:    Rs 15,000/- p. Contingencies    Rs 10,000/- p. Total: Rs 75,000/- for three years.
10.	Dr. V.K.K. Prabhu Kerala University	Exogenous insect. hormone analogues in insects developmental biology.	S.R.F. - 1    Rs 600/- p.m. J.R.F. - 1    Rs 400/- p.m. Other    Rs 10,000/- p. expenses Total: Rs 67,200/- for 3 years
11.	Prof. A.B.Das Visva Bharati	Enzymatic Mechanisms underlying the Thermal Accilimation of Perip- laneta Americana(Linn)	J.R.F.- 1    Rs 400/- p.m. Equipment    Rs 8,000/- Chemicals & Glassware    Rs 5,000/- p.a. Contingencies    Rs 1,000/- p.a. Total: Rs 41,600/- for 3 year
12.	Prof. D.N. Kanat Shivaji University	Studies on the diagnostic role of esterase in experimental nephrotic syndrome edema.	Equipment:-    Rs 8,500/- J.R.F.    Rs 400/- p.m. Contingency    Rs 2,000/- p.a. Total Rs 30,100/- for 3 years
13.	Dr. A.G.Satnyanesan Senior Research Officer Institute of Medical Science B.H.University.	Endocrine and neuree- hdocrine physiology in some fresh water fishes with special refer-ence to reproduct- ion and water pollution.	J.R.F. - 2    Rs 400/- p.n. Other purposes    Rs 10,000/- p.a. Total: Rs 61,200/- for 3 year
14.	Dr. D. Chandramohan Research Associate Marine Biological Station Annamalai University	Studies on the Marine Antagonistic streptomycetes.	Equipment: Rs 25,000/- J.R.F. - 1    Rs 400/-p.m. Lab. Asstt. - 1    Rs 210-310 Contingency    Rs 5,000/- p.a. and Chemicals Total Rs 65,600/- for 3 years
15.	Prof. V.V.Modi Head, Department of Microbiology M.S.University of Baroda.	Studies on carotene bio- synthesis by Blakesleatrispora, with emphasis on the beta factor & other factors & sti- mulate carotene production to inccease the yield of B-car- otene obtained by formentation of cereal grains.	Research Assistants - 2 (C.S.I.R. Scale)* Equipment    Rs 30,000/- Contingency    Rs 3,000/- p.a. Total: Rs 69,000/-for 3 years *Formenter

p.t.o.



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Prof. T. Ramakrishna  
Indian Institute of  
Science, Bangalore.

Effect of Chelating  
agents on the growth  
and Enzyme systems of  
Rous Sarcoma Virus.

S.R.F. - 1 (Rs 600/- p.m.)  
Equipment Rs 5,000/-  
(1 Incubator)  
Working expenses: Rs 10,000/- p. a.  
Total: Rs 56,600/- for 3 years

Dr. (Mrs) Kunthala  
Jayaraman, Department  
of Biological Sciences  
Madurai University

Transcriptional regula-  
tion of Eucaryotic deve-  
lopment.

S.R.F. - 1 Rs 600/- p.m.  
One Lab. Tech.  
Equipment Rs 14,000/-  
Chemicals and  
Glassware Rs 10,000/- p. a.  
Total: Rs 73,600 for 3 years.

Dr. V.R. Muthukkaruppan  
Deptt. of Biological  
Madurai University.

Development of Immune  
Functions in Fishes

Equipment Rs 26,000/-  
S.R.F. -1 Rs 600/- p.m.  
Supplies and  
Chemicals Rs 5,000/- p. a.  
Total: 62,600/- for 3 years.

### ETICS:

Dr. (Mrs) M.G. Padma  
Reader  
Deptt. of Genetics  
Osmania University

Equipment Rs 20,000/--  
J.R.F. - 1 Rs 400/- p.m.  
Lab. Technician - 1  
Contingency Rs 5,000/- p. a.  
Chemicals Rs 5,000/- p. a.  
Total: Rs 92,900/- for 3 years

Prof. G.M. Reddy  
Deptt. of Genetics  
Osmania University.

Equipment Rs 40,000/-  
J.R.F. - 1 Rs 400/--p.m.  
Technician - 1 (Rs 150-330)  
Chemicals Rs 5,000/- p. a.  
Contingency Rs 5,000/- p. a.  
Total Rs 99,400/- for 3 years

Dr. S. Subramanyam  
Reader in Genetics  
Osmania University

Equipment Rs 10,000/-  
Junior Scientific Asstt. - 1  
One Technician (Rs 140-290)  
Chemicals & Animal Feed  
Rs 5,000/- p. a.  
Total: Rs 57,500/- for 3 years.

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MATHEMATICS

S.No.	Principal Investigator	Title	Grants recommended
1.	Prof. K.N. Srivastava M.A. College of Technology, Bhopal.	Stress distribution in composite Solids.	S.R.F.-1 Rs. 600 p. Contingency-Rs. 2,000 Total: Rs.27,600/- for three years.
2.	Dr. O.S. Srivastava, Department of Mathematics, Gorakhpur University.	Shock waves in a * dusty medium.	J.R.F.-1 Rs. 400 p. Contingency-Rs. 1,500 Total: Rs.12,600/- for two years.
3.	Dr. J. Krishna Rao Deptt. of Mathematics, Saurashtra University, Rajkot.	Gravitational radiation and gravitational collapse.	J.R.F.-1 Rs. 4000/- Contingency-Rs. 1,500 Total: Rs.20,100/- for three yrs.

Total number of Proposals accepted: 3  
Total amount recommended: Rs.60,300/-

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UNIVERSITY GRANTS COMMISSION

Confidential

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Meeting:

Dated : 10th February, 1975

Item No. 33 To consider certain establishment matters of University Grants Commission.

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To consider the request of Shri S.P. Hattia, Personal Assistant, for grant of enhanced amount of house building advance upto 75 times of his pay in relaxation of rules.

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Shri S.P. Hattia, Personal Assistant, was sanctioned house building advance of Rs. 32,700/- in September 1971 for purchase of a plot in Malviya Nagar Extension Scheme, New Delhi and partly for constructing a house thereon. First instalment of Rs. 6,540/- was released to him on 8th October, 1971 for purchase of the above mentioned plot. As the lease deed for the said plot was given to him by the Delhi Development Authority only on 17th February, 1973, he could not submit the plan and estimates of the proposed construction earlier within the prescribed period of six months as required by Rule 5(a)(1) of the Rules to regulate the grant of advances to Central Government Servants for building etc. of houses made applicable to UGC employees. He submitted the lease deed for inspection on 17th May 1973 and duly approved plan and estimates on 26th September, 1973. The delay in submission of these documents was condoned and the subsequent instalments were released to him on his complying with the necessary requirements and formalities as per Rule 5(a) (2) ibid. The last instalment was released to him on 16th January, 1974. Unfortunately, Shri Hattia has not been able to complete the house even after extension of time sanctioned to him in two spells, viz. upto 4th April, 1974 in the first instance and thereafter upto 3rd October, 1974.

Shri Hattia initially requested for enhancement of the house building advance sanctioned to him at 60 months pay to 75 months pay in terms of the Government of India, Ministry of Works and Housing Office Memorandum No. 10/4/69/H-III (Vol. III) dated 16th November, 1972 and 19th January, 1973. The request of Shri Hattia was not acceded to, as he could not satisfy the basic condition of completing the construction within a period of 24 months from the date of drawal of the first instalment of advance as required under the rules. He again came up for re-consideration of his request for the enhanced amount of house building advance upto 75 times his pay in April, 1974. His case was referred to the Ministry of

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Works and Housing for advice in June, 1974. The Ministry has advised "apparently request for additional amount of advance in respect of Shri S.P. Bhatia is not covered under the provisions of this Ministry's O.M.No.10/4/69-LH.II (Vol.III) dated the 16th November, 1972. It is, however, seen that delay in completing the construction of house cannot entirely be attributed to Shri Bhatia, as the lease deed of the plot was given to him by the Delhi Development Authority in February 1973, i.e. after a period of nearly 1½ years from the date of payment viz., October, 1971. Since this Ministry does not deal with the House Building Advance cases of individuals other than Central Government servants, the Secretary, University Grants Commission may consider the request of Shri Bhatia at their own end in the light of the remarks given above."

In view of the advice given by the Ministry of Works and Housing, the case of Shri S.P. Bhatia for additional amount of house building advance has been processed in the office. Shri Bhatia on the basis of his pay on which he was originally sanctioned the house building advance and after adjustment of D.C.R. gratuity, etc. and the plans and estimates submitted by him and the details of work yet remaining to be completed by him is eligible for an additional house building advance of Rs.8,175/- at 75 times of his pay with the rate of recovery being revised to Rs.273/- p.m. Latest Government of India orders restricting the maximum amount of house building advance to Rs.25,000/- being applicable to new cases is not applicable in the case of Shri S.P. Bhatia.

According to Rule 7(a) (ii) of the Rules regulating the house building advances to Central Government servants (as applicable to the UGC employees), an extension of time limit is permissible to be allowed upto one year by the Head of the Department and for a longer period by Government in those cases where the work is delayed due to circumstances beyond the control of the Government servants. In view of the circumstances stated in the foregoing paras, it is proposed to grant further extension of time limit beyond 4th October, 1974 by six months to Shri Bhatia for completion of construction of house as required under the rules.

The question of (i) sanction of additional amount of house building advance and (ii) further extension of time limit beyond 4th October, 1974 by six months to Shri S.P. Bhatia, Personal Assistant for completion of construction of the house is placed before the Commission for consideration.

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