

UNIVERSITY GRANTS COMMISSION

AGENDA AND PROCEEDINGS

NO-190

PART-I

18TH APRIL 1977

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Minutes of the 190th meeting of the University Grants Commission held on April 18, 1977.

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The following were present:

Professor Satish Chandra	...	Chairman
Professor B.Ramachandra Rao	...	Vice-Chairman
Professor R.P.Bambah	...	Member
Professor (Miss) A.J.Dastur	...	Member
Dr.A.S.Cheema	...	Member
Professor S.Maqbool Ahmed	...	Member
Professor B.M.Udgaonkar	...	Member
Shri R.K.Chhabra	...	Secretary

Shri K.N.Channa, Shri G.Ramachandran, Professor S.S.Saluja, Professor S.Gopal and Dr.Chandran D.S.Devanesen regretted their inability to attend the meeting.

SECRETARIAT

Additional Secretary

Dr.J.N.Kaul

Joint Secretary

Shri S.Viswanath

Deputy Secretaries

Dr.S.C.Goel
Dr.S.P.Gupta
Dr.M.L.Mehta
Dr.T.N.Hajela
Shri Y.D.Sharma
Shri A.B.Gupta
Shri M.P.Balakrishnan
Shri L.R.Mal

Finance Officer

Shri R.P.Dhattacharjee

Director (SRC)

Dr.Jagdish Shankar

:2:

Item No.1: To receive the minutes of the meeting of the Commission held on March 21, 1977.

....

Minutes of the 189th meeting of the Commission held on March 21, 1977 were confirmed, subject to the following

Item 2(a) may read as follows:

"The Commission approved the action taken on items listed in Appendix 1*.

Arising out of this item, the Commission desired that the Colleges already approved for assistance under Rs. five lakh scheme may be advised to send their proposals for faculty improvement programmes and for providing facilities for remedial courses. This may also be brought to the attention of the colleges which have not yet approached the Commission for assistance under this scheme."

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

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(a) The Commission approved the action taken on items listed in Appendix 1*.

Arising out of Items 2(a)(6) & (9), it was agreed that (i) the space science programmes being run at the Gujarat University, Ahmedabad; Kerala University, Trivandrum and Panjabi University, Patiala, may be reviewed before the beginning of the next academic session and (ii) the universities be advised that the Vice-Chancellor's house now to be constructed should normally be in accordance with the norms suggested by the Commission.

(b) This was noted.

(c) This was noted.

*Not enclosed.

Item No.3: To approve the statement of grants released after the last meeting of the Commission held on March 21, 1977.

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The Commission approved the grants released after the last meeting of the Commission held on March 21, 1977 (Appendix II*).

Item No.4: To receive the statement of expenditure incurred by the University Grants Commission during 1976-77 upto March 31, 1977.

...

This was noted..

Item No.5: To receive a statement indicating the progress of issue of utilisation certificates during the period ending March 31, 1977.

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This was noted.

Item No.6: To consider the report of the Committee appointed to work out the details for providing facilities for studies in Marine Sciences in Postgraduate Centre, Goa.

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The Commission generally accepted the report of the Committee appointed to work out the details for providing facilities for studies in marine sciences at the Postgraduate Centre, Goa, subject to the following:

(a) The Centre should function on an All-India basis and at least 50 per cent of the seats should be reserved for candidates coming from colleges other than those located in the Union Territory of Goa;

(b) 20 per cent of the seats would be reserved for scheduled caste and scheduled tribe students; and

(c) Studentship of the value of Rs.250 p.m. may be given for a period of 12 months to all students in the third year of the course, who have secured at least 55% marks in the annual examination at the end of second year.

*Not enclosed

A provision of Rs.6,000 per annum may be made for payment of honorarium to the scientific staff of the National Institute of Oceanography, Goa, who may be requested to participate in the teaching programme.

Item No.7: To consider the report of the Visiting Committee appointed by the U.G.C. to assess the V Plan requirements of the Institute of Medical Sciences of Banaras Hindu University

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The Commission considered the report of the V Plan Visiting Committee to the Institute of Medical Sciences Banaras Hindu University and generally accepted the recommendations of the Committee. The Commission desired that the recommendations concerning the expansion of the hospital and taking over of Kashi Kashtha Seva Sang Hospital may be considered later.

The University may be advised that, keeping in view the available number of hospital beds, it should limit its admission to the MBBS course to 54 students including 4 seats reserved for the Government of India nominees of foreign students and the normal reservations for scheduled caste and scheduled tribe candidates. The Commission did not favour reservation of four seats for students who passed the Pre-medical test from Banaras Hindu University and desired that this should be discontinued forthwith.

The Commission made the following further observations:

1. The University should give the highest priority to the consolidation of existing Departments at the Institute of Medical Sciences.
2. Emphasis should be given to rural health programme at the undergraduate level and the University be advised to prepare a suitable programme and send it to the Commission for consideration.
3. Admissions to the postgraduate courses should be made in accordance with the norms laid down by the Medical Council of India and after taking into account the fact that the maximum bed strength available in the hospital will not exceed 550.
4. The question of upgrading the different Sections/Centres in the Departments of the Institute of Medical Sciences into full-fledged Departments may be considered on the merits of each case.

5. The University may take urgent steps to make regular appointments against the permanent vacant posts of Professors, Readers and Lecturers.

It was agreed to provide assistance to the Banaras Hindu University for the Institute of Medical Sciences during the V Plan period as indicated in Appendix III.

The Commission also agreed to provide assistance for the construction of faculty housing upto 50 per cent of the faculty positions sanctioned during the V Plan period.

Item No.8: To consider the recommendations of the Advisory Committee for the CAS in the Humanities & Social Sciences on the report of the Committee set up by the Commission to evaluate the working of the Centre of Advanced Study in Education at M.S. University of Baroda.

....

University
aroda

The Commission agreed that the Department of Education/may continue as a Centre of Advanced Study in Education for the present. Its working may be reviewed towards the end of the current plan period.

Item No.9: To consider the report of the Committee which examined the proposal of the Panjab University for participation of its Department of Sociology in the UGC's scheme of CAS/DSA in the Humanities and Social Sciences.

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The Commission agreed to invite the Sociology Department of the Panjab University to participate in the scheme of Special Assistance to University Departments and approved support to the Department as given in Appendix IV.

In this connection, the Commission agreed that the assistance to the Departments which are brought within the scheme of Departments of Special Assistance during the current plan period may be provided till the end of the VI Plan on the condition that the State Government would agree to take over the recurring liability at the end of 1983-84.

Item No.10: To consider the report of the Visiting Committee which examined the proposal of the History Department (Modern India) of the Calcutta University for participation in the programme of Centre of Advanced Study Departments of Special Assistance in the Humanities & Social Sciences.

....

The Commission agreed to invite the Department of History (Modern India) of the Calcutta University to participate in the scheme of Special Assistance to University Departments and approved support to the Department as given in Appendix-V.

In this connection, the Commission made the following observations:

1. Modern Indian History may not be limited to British History alone. The Department may decide on its the scope of the period.

2. The study of Modern Indian History may not be limited to Eastern Region/alone. Other regions in the country relevant to the needs of this field may also be taken up for study and research.

of India

Item No.11: To consider the report of the Visiting Committee which examined the proposal of the Department of Economics of the Punjabi University, Patiala for participation in the programme of Centres of Advanced Study/ Department of Special Assistance in the Humanities & Social Sciences.

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Consideration of this item was deferred. The University may be requested to fill in the vacant position in the Department at an early date and the matter may be placed before the Commission as soon as the department has the full approved strength.

Item No.12: To consider the report of the Committee set up by the UGC to examine the question of strengthening the professional staff of the Ratan Tata Library of the Delhi School of Economics, Delhi University, Delhi.

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The Commission considered the report of the Committee appointed by it to examine the question of

strengthening the professional staff of the Ratan Tata Library of the Delhi School of Economics, Delhi University, and agreed to provide one Deputy Librarian (Rs.1100-1600) and four Professional Assistants to the University.

In this connection, the Commission desired that the question of revision of scales of pay of the Deputy Librarian and the Assistant Librarian in the light of the recommendations of the Sen Committee may be brought up before the Commission again.

Item No.13: To consider the report of the Committee appointed by the University Grants Commission to examine the proposal of the Aligarh Muslim University for staff for the Library.

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The Commission desired that the matter may be brought up before it after the information required by the Committee is made available by the Aligarh Muslim University and considered by it.

Item No.14: To consider the minutes of the meeting of the JGC Implementation Committee on Examination Reforms held on 2nd March, 1977.

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The Commission agreed that the general philosophy of examination reforms and implications for policy may be discussed at a subsequent meeting. In the meantime, action may be taken in the light of the recommendations of the Implementation Committee on Examination Reforms.

Item No.15: To consider the Recommendations of the Conference of Coordinators of COHSSIP Colleges held at St.Xaviers College, Bombay in January, 1977. (Khandala Camp).

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The Commission accepted the recommendations made at the Conference of Coordinators of COHSSIP Colleges held at St.Xaviers College, Bombay in January, 1977 as given in Appendix VI.

Item No.16: To consider the recommendations of the Directors of Summer Schools in Physics.

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The Commission agreed that in the summer institutes being supported by the Commission, the participants (other

than the faculty members) be supplied books worth upto Rs.100 each, subject to a ceiling of Rs.5,000 per Institute.

The Commission also accepted the following recommendations made by the Directors of the Summer Institutes in Physics:

1. The Director of the School concerned may be informed about the organisation of the Summer Institute by October, each year so that the pre-Institute meeting of the Directors may be held sometime in January next year and the circulars to colleges are issued in the same month.
2. A date by which the applications are to be received from the prospective participants may be indicated in the application form.

In this connection, the Commission desired that a calendar of dates fixed for receipt of applications for different UGC awards and for Institutes to be organised with UGC support may be prepared and circulated to all the universities.

Item No.17: To consider the question of relaxation of marks by 5% for Scheduled Castes/Scheduled Tribes candidates for the purpose of eligibility for the award of research Scholarships/Fellowships in the Universities.

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The Commission was not in favour of relaxation of marks by 5 per cent for scheduled caste and scheduled tribe candidates for the purpose of eligibility for award of research scholarships/fellowships in the universities and noted that this small margin would in any case be covered under the new grading system.

In this connection, the Commission reiterated its earlier decision that it was not in favour of relaxation of general eligibility condition in respect of scheduled caste and scheduled tribe candidates for award of fellowships/scholarships and that specific cases which merit special consideration for relaxation should however be considered by the Commission.

Item No.18: To consider the proposal of the University of Delhi for assistance for the construction of a teachers hostel with about 100 rooms for the implementation of a teachers fellowship Scheme.

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The Commission accepted in principle the proposal of the University of Delhi for assistance for the construction of a hostel for teachers under the faculty improvement programme.

It was further noted that in the proposed hostel to be set up at the Delhi University, the accommodation will primarily be used for teacher fellows coming from outside Delhi.

It was also agreed that similar proposals as and when received from the universities which attract a large number of outside teacher fellows may be considered on merit.

Item No.19: To consider the proposal of the University of Madras, Madras for granting autonomous status to the P.G. Centre at Coimbatore & Trichirapally.

.....

The Commission agreed to provide assistance to the Madras University for the appointment of two Assistant Registrars for the Postgraduate Centres at Coimbatore and Tiruchirapally. Assistance for this would be provided for the period ending 31st March, 1981 on the condition that the State Government would take over the recurring expenditure thereafter. The University may be informed that the grant of autonomy to the Postgraduate Centres does not necessarily mean that these two Centres would automatically be raised to the status of a University.

Item No.20: To consider the proposal of Allahabad University for approval of grants recommended by the V Plan Visiting Committee under second & third priorities.

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The Commission agreed in principle to the proposal of the University for providing posts recommended by the Visiting Committee under second and third priorities. The Commission, however, desired that the approval of these posts may be conveyed after the non-plan posts lying vacant are filled in by the University.

With regard to the University's proposal for approval of grant recommended by the Visiting Committee under third priority for building, it was agreed that this may be brought up before the Commission after the University has intimated the specific steps taken by it on all the recommendations/observations made by the Visiting Committee.

Item No.21: To consider further the revised proposals of the Bangalore University for the construction of Science Blocks at the New Campus.

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The Commission considered the revised proposal of the Bangalore University for the construction of science blocks at the new campus and desired that the University be advised to undertake construction during the V Plan of Botany and Zoology blocks at an estimated cost of Rs.44.19 lakhs and the Commission may meet 50 per cent of the actual approved expenditure subject to a maximum of Rs.16.90 lakhs which may be re-appropriated from the provision made for different buildings made under first and third priorities, subject to the condition that the decision of the Commission would be formally communicated to the University after it has intimated the specific action taken by it on the various recommendations/observations made in the report of the Visiting Committee as accepted by the Commission.

In this connection, the Commission agreed that while considering the proposals from the universities in the second and third priorities for buildings, no re-appropriation be made from the funds agreed to on the recommendations of the Visiting Committee for acquiring books, journals and equipment.

Item No.22: To consider the proposal of the Kanpur University for assistance for establishment of School of Life Sciences.

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The Commission accepted the proposal of the Kanpur University for establishment of the School of Life Sciences during the V Plan period and approved assistance for the purpose on the usual basis as per details given in Appendix VII.

It was noted that the assistance being approved for staff quarters and hostels will be treated as a central facility and the requirements of the School of Life Sciences for books and journals would be met out of

a grant of Rs.10 lakhs already agreed to for the Central Library.

Item No.23: To consider the comments of the Delhi University on the observations made by the V Plan Visiting Committee in its report on the South Delhi Campus.

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The Commission considered the comments of the University of Delhi on the observations made by the V Plan Visiting Committee in its report on the South Delhi Campus and agreed that the University may institute postgraduate courses in commerce, political science, sanskrit, mathematics, history, philosophy and business economics at the South Delhi campus and agreed to provide assistance as indicated in Appendix VIII.

The Commission desired that the question of instituting B.A.(Hons.) and M.A. courses in Russian at the South Delhi Campus may be further discussed in the light of the facilities already being provided for such courses by the Jawaharlal Nehru University.

It was further agreed that the question of instituting M.Phil. courses in the South Delhi Campus may be considered after the guidelines have been prepared by the Commission for instituting such courses in the different Departments of the Universities.

The Commission noted that the cost of land to be acquired for the South Delhi Campus is now estimated to be about Rs.27 lakhs as against the original estimate of Rs.45 lakhs. The Commission desired that the University be advised to send its revised proposal for construction of building; purchase of books and equipment keeping in view that a sum of Rs.100 lakhs may be available for the development of the South Delhi Campus during the current Plan period.

Item No.24: To consider the proposal of the Kashi Vidyapith for creation of Professors posts in the Departments of Hindi and Sanskrit.

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The Commission agreed to provide one post of Professor in Sanskrit at Kashi Vidyapith as part of the V Plan development proposals of the University. The Commission however could not agree to the proposal of the University for providing an additional post of Professor in Hindi.

Item No.25: To consider the proposal of Himachal Pradesh University, Simla for assistance for buildings within the ceiling of Rs.100 lakhs fixed for the University for the 5th Plan period.

....

The Commission agreed to the proposal of the Himachal Pradesh University for assistance for addition buildings and agreed to provide as its share a sum not exceeding Rs.13 lakhs by re-appropriation (Animal House Rs.2.5 lakhs; Furniture - Rs.3 lakhs; Central Library - Rs.7.5 lakhs) from the funds under different priorities as recommended by the Visiting Committee for buildings and furniture for construction of the Central Library and acquiring gas plant.

It was noted that the formal approval may be conveyed only after the University has communicated the specific steps taken by it on the recommendations made by the V Plan Visiting Committee.

Item No.26: To consider the proposal from Bihar University to continue its Department of Russian Language as an independent unit of the University.

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The Commission agreed to the proposal of the Bihar University to continue the Department of Russian Language as an independent unit provided that the facilities for the language laboratory agreed to by the Commission for this unit would also be made available to other language department.

Item No.27: To consider the proposal of Centre of Advanced Study in Zoology, University of Delhi regarding change in specialisation of the teaching posts sanctioned during V Plan.

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The Commission agreed that three Professorships (two sanctioned under the Centres of Advanced Study and one under the V Plan) may have the specialisation of Entomology/Cell Biology/Cytogenetics/Biological Chemistry, subject to the condition that not more than one Professor would be appointed in each of the specialisations. The Commission also agreed that the post of Reader may be treated as open.

Item No.28: To consider the proposal of Delhi University regarding the field of specialisation of the post of Professor in Mathematical Statistics sanctioned during the V Plan.

....

The Commission considered the proposal of the Delhi University regarding the field of specialisation of the post of Professor in the Department of Mathematical Statistics sanctioned during the V Plan and agreed that the specialisation of the post may be Theoretical Statistics (Multi-variate Analysis, Statistical Inference etc.).

Item No.29: To consider the proposal of Lucknow University for change of specialisation for some posts approved by the Commission during the V Plan period.

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The Commission considered the proposal of the Lucknow University for change of specialisation of some of the posts sanctioned during the V Plan and agreed that the specialisation of the approved posts may be as follows:

1. One post of Professor in Mathematics may be treated as open.
2. One post of Professor and one Reader in Physics may be in the field of solid state physics (experimental).
3. One post of Professor and one Reader in Physics may be in the field of theoretical Physics.

With regard to the post of Professor in Anthropology, it was noted that the Commission had recommended this as an open post and therefore it is for the University to decide as to the specialisation with which it would like to fill the post.

It was also noted that the proposal of the University for change of the specialisation of the posts in the Department of Chemistry would be brought up before the Commission after the necessary information, already asked for, from the University has been supplied.

Item No.30: To consider a proposal from Patna University regarding the changes effected in the areas of specialisation of certain additional posts sanctioned to the Department of Botany of the University on the basis of Fifth Plan Visiting Committee's recommendations.

....

The Commission desired that the proposal of the University may be referred to the Committee which is shortly visiting the University to consider the proposal of the Department of Botany, Patna University, to participate in the programme of Special Assistance to University Departments.

In this connection, the Commission desired that the University be informed that the specialisation revised by it may not be acted upon till a final decision of the Commission is available.

Item No.31: To consider the proposal of the Banaras Hindu University for creation of post of Lecturer in Sinhalese during the V Plan period.

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The Commission accepted the proposal of the Banaras Hindu University for providing a post of Lecturer in Sinhalese as part of V Plan development proposals of the University.

Item No.32: To consider the proposal of the Banaras Hindu University for assistance for establishing a Centre for Life Sciences.

.....

The Commission considered the proposal of the Banaras Hindu University for establishing a Centre of Life Sciences and desired that the University be advised to set up the Centre within the assistance recommended by the Visiting Committee under first and second priorities for the purpose, as given in Appendix IX.

Item No.33: To consider further proposal of Saurashtra University for development of its Rajkot Campus during V Plan.

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Consideration of this item was deferred to the next meeting of the Commission.

Item No.34: To consider the report of the Visiting Committee appointed by the University Grants Commission to examine the Fifth Plan development proposals of Visva-Bharati University, Santiniketan.

....

The Commission considered the report of the Visiting Committee appointed by the Commission to examine the V Plan development proposals of Visva Bharati and generally accepted the recommendations of the Committee. The Commission made the following observations in this regard:

1. The additional six posts of teachers for the higher secondary school may be provided in Patha Bhawan.
2. The University may keep in view the recommendations of the Masud Committee while restructuring its undergraduate courses.
3. The Visva-Bharati may not start at this stage teaching of all the Indian languages. It is advisable to confine its language programme to 2 or 3 Indian languages other than Bengali and Hindi, e.g. Marathi, Assamese and Tamil. The Hindi programme may be strengthened, and one post of Lecturer may be provided for the purpose.
4. To develop the studies on the history, culture and philosophy of China, the Cheena Bhawan may inter-act more closely with the Department of History and Philosophy.
5. The Visva Bharati may undertake popularisation of science in rural areas as part of its extension programmes.

The Commission agreed that assistance may be provided to the University as given in Appendix X.

It was noted that the requirements of the Kala Bhawana and Sangeet Bhawana, which have not so far been assessed, would be brought up before the Commission later.

Item No.35: 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 in New Delhi on 16th May, 1977.

Item No.36: To consider the question of providing recurring assistance to computer centres in the universities.

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The Commission agreed that assistance for the development of the computer centres in the universities sanctioned in the IV Plan may be on the same basis as in the case of the computers set up during the V Plan. While determining this assistance, it was noted, the positions created during the IV Plan period in different Centres would be taken into account for determining the maintenance grant payable for the computer centres.

Item No.37: To consider further the question of sponsor delegations from the universities to the selected International Conferences/Seminars, Workshops.

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Consideration of this item was deferred for the next meeting.

(SATISH CHANDRA)
CHAIRMAN

(R.K. CHHABRA)
SECRETARY

Appendix III to
Item No. 7.

Institute of Medical Sciences, Banaras Hindu University

(5th plan sanctions)

(A) <u>Non-recurring:</u>	(Rs in lakhs)	
(a) Buildings ...	19.00	(Annexure-I)
(b) Equipment ...	58.45	(Annexure-II)
(c) Books and Journals ...	10.90	(Annexure-III)
(d) Miscellaneous ...	3.50	(Annexure-IV)
Total (N.R.)...	<u>91.85</u>	
 (B) <u>Recurring:</u>		
(i) Faculty ...		(Annexure-V)
(ii) Non-teaching and technical staff of the Departments of the Institute.		(Annexure-VI)
(iii) Jr. Research Fellowships *		10 at any given time.
(iv) Adm. staff of the Institute**		Rs 0.50 lakhs p.a.
(v) Maintenance of laboratories		Rs 2.00 lakhs p.a.

* The provision may be used for extending the existing building and the accommodation for the departments adjusted suitably.

** Details of the staff to be appointed to be determined with the approval of the U.G.C.

Annexure-I

Institute of Medical Sciences

(a) Buildings

<u>Sl.No.</u>	<u>Name of the Department</u>	<u>(Rupees in lakhs)</u>
1.	Anatomy	2.00*
2.	Pharmacology	2.00*
3.	Microbiology	4.25*
4.	Godown and garrage	0.75
5.	Hostels	10.00
		<hr/>
		19.00
		<hr/>

* The provision may be used for extending the existing building and the accommodation for departments adjusted suitably.

Annexure-II

Institute of Medical Sciences

(b) Equipment

<u>S.No.</u>	<u>Name of the Department</u>	<u>(Rs in lakhs)</u>
1.	Anatomy ...	1.00
2.	Physiology ...	1.00
3.	Biochemistry ...	1.00
4.	Biophysics ...	1.00
5.	Pharmacology ...	1.00
6.	Pathology ...	1.00
7.	Microbiology ...	2.00
8.	Forensic Medicine ...	0,50
9.	Obstetrics & Gynaecology ...	1.00
10.	Preventive & Social Medicine ...	1.00
11.	<u>Surgery</u>	
	(i) General Surgery Sec.	1.00
	(ii) Paediatric Surgery Sec.	1.00
	(iii) Urology Section	3.00
	(iv) Neuro Surgery Section	2.00
	(v) Plastic Surgery Sec.	1.00
	(vi) Cardio-Vascular & Thoracic Surgery Sec.	5.00
12.	<u>Medicine</u>	
	(i) Section of Cardiology ...	5.00
	(ii) Section of Neurology	2.00
	(iii) Section of Skin & V.D.	1.00

p.t.o.

S.No.	Name of Department	(Rs in lakhs)
<u>Medicine (contd.)</u>		
(iv)	Section of Endocrinology and Metabolism.	2.00
(v)	Section of Gastroenterology	1.00
(vi)	Section of Nephrology	1.00
(vii)	Section of Tuberculosis and Chest diseases.	1.00
(viii)	General Medicine	1.00
13.	Orthopaedics	1.00
14.	Anaesthesiology	1.00
15.	Radiology	1.00
16.	Ophthalmology	1.00
17.	Paediatrics	1.00
18.	Radiotherapy	2.50
19.	Dental Surgery	1.50
20.	Psychiatry	2.00
21.	E.N.T.	1.00
<u>Other Units</u>		
1.	Community medicine	0.75
2.	Art & Photo Section	
3.	Central Workshop	
4.	Animal House	5.00
5.	Surgical Research Lab.	
6.	Mortuary Equipment	1.20
7.	Central Clinical Biochemical Laboratory	2.00
Total Equipment:		58.45

Note: The Basic Grant of Rs 10.00 lakhs already made will be adjusted against this.

Annexure-III

Institute of Medical Sciences

(c) Books and Journals

<u>S.No.</u>	<u>Name of the Department</u>	<u>(Rs in lakhs)</u>
1.	Anatomy ...	0.30
2.	Physiology ...	0.30
3.	Biochemistry ...	0.30
4.	Biophysics ...	0.30
5.	Pharmacology ...	0.30
6.	Pathology ...	0.30
7.	Microbiology ...	0.30
8.	Forensic Medicine ...	0.30
9.	Obstetrics & Gynaecology ...	0.30
10.	Preventive & Social Medicine ...	0.30
11.	<u>Surgery</u>	
	(i) General Surgery Section	0.30
	(ii) Paediatric Surgery Section	0.30
	(iii) Urology Section	0.30
	(iv) Neuro Surgery Section	0.30
	(v) Plastic Surgery Section	0.30
	(vi) Cardio-Vascular and Thoracic Surgery Section.	0.30
12.	<u>Medicine:</u>	
	(i) Section of Cardiology	0.30
	(ii) Section of Neurology	0.30
	(iii) Section of Skin & V.D.	0.30
	(iv) Section of Endocrinology & Metabolism...	0.30

Medicine (contd.)

(v)	Section of Gastroenterology	0.30
(vi)	Section of Nephrology	0.30
(vii)	Section of Tuberculosis & chest diseases.	0.30
(viii)	General medicine	0.30
13.	Orthopaedics	0.30
14.	Anaesthesiology	0.30
15.	Radiology	0.30
16.	Ophthalmology	0.30
17.	Paediatrics	0.30
18.	Radiotherapy	0.30
19.	Dental Surgery	0.30
20.	Psychiatry	0.30
21.	E.N.T.	0.30
<u>Other Units:</u>		
1.	Institute Library	1.00
Total:		10.90

Note: The basic grant of Rs 4.00 lakhs already made will be adjusted against this sanction.

Annexure-IV

Institute of Medical Sciences

(d) Miscellaneous

<u>S.No.</u>	<u>Purpose</u>	<u>(Rs in lakhs)</u>
1.	Student Amenities (Furniture etc.)	1.00
2.	Office equipment (common for all)	1.00
3.	Furniture (common for all)	1.00
4.	Training in Community Medicine	0.50
	Total Misc.	<hr/> 3.50 <hr/>

Annexure-V

V Plan - Institute of Medical Sciences,
Banaras Hindu University.

Faculty and their specialisation - teaching
staff as approved by the Commission.

...

<u>S.No.</u>	<u>Department</u>	<u>Faculty/Specialisation</u>
1.	Anatomy	P=1 Neuroanatomy R=1 Teratology L=2
2.	Physiology	P=1 Neurophysiology
3.	Bio-chemistry	P=1 Membrane Bio-chemistry L=1 Molecular Bio-chemistry
4.	Pharmacology	L=1
5.	Pathology	P=1 Immuno-Pathology R=1 Cytology
6.	Microbiology	R=1 Parasitology L=2 01 - Immunology 01 - Bacteriology
7.	Forensic Medicine	L=1
8.	Obstetrics & Gynaecology	R=1 Social Obstetrics
9.	Preventive & Social Medicine	R=1 Health Statistics L=1
10.	<u>Surgery</u>	
	(i) General Surgery	R=1 L=1
	(ii) Paediatric Surgery Section	P=1
	(iii) Urology Section	P=1
	(iv) Neurosurgery Section	P=1
	(v) Plastic Surgery	P=1

Surgery (contd.)

(vi) Cardio-Vascular and Thoracic Surgery Section. P=1 Cardio-Thoracic Surgery

11. Medicine

(i) Cardiology Section P=1

R=1

L=1

(ii) Neurology Section R=1

(iii) Endocrinology and Metabolism. P=1 Endocrinology

L=1

(iv) Gastroenterology P=1

L=1

(v) Nephrology P=1

L=1

(vi) Medicine R=1 General Medicine

12. Orthopedics L=1

13. Anaesthesiology R=1

14. Radiology R=1

L=1

15. Paediatrics R=1 Social Paediatrics

L=1 Child Psychology

16 Radiotherapy and Cancer Research R=1 Nuclear Medicine

17 Dental Surgery Section P=1

R=1

18. Psychiatry R=1 Bio-Psychiatry

L=2 (i) Social Psychiatry
(ii) Biological Psychiatry

Annexure-VI

Technical and other staff
approved for the Institute.

<u>S.No.</u>	<u>Department</u>	<u>Details of posts</u>	
1.	Anatomy	Senior Technical Assistant	1
		Laboratory Assistant	1
		Animal Attendant	1
2.	Biochemistry	Animal Attendant	1
3.	Biophysics	Laboratory Assistant	1
4.	Pharmacology	Laboratory Assistant	1
		Animal Attendant	1
5.	Pathology	Senior Technical Assistant	1
6.	Microbiology	Senior Technical Assistant	1
		Laboratory Assistant	1
		Animal Attendant	1
		Laboratory Attendant	1
7.	Forensic Medicine	Museum Curator	1
		Store-keeper	1
		Dome	1
8.	Obstetrics & Gynaecology	Store-keeper	1
9.	Preventive and Social Medicine.	Auxiliary Nurse Midwife	1
		Health Visitors	2
		Driver	1
		Laboratory Assistant	1
		Laboratory Attendant	1
		Block Servants	2
		Cook	2

<u>S.No.</u>	<u>Departments</u>	<u>Details of posts</u>	
	Preventive and Social Medicine (contd.)	Store-keeper	1
		Pump Operator	1
		Compounder	1
		Chowkidar	1
		Sweeper	1
10.	<u>Surgery</u>		
	(i) Section of Paediatric Surgery	Senior Technical Assistant	1
		Laboratory Attendant	1
	(ii) Section of Urology	Senior Technical Assistant	1
		Laboratory Attendant	1
	(iii) Section of Neuro Surgery	Senior Technical Assistant	1
		Laboratory Attendant	1
	(iv) Section of Plastic	Senior Technical Assistant	1
		Laboratory Attendant	1
	(v) Section of Cardio- Vascular and Thoracic Surgery	Senior Technical Assistant. (Heart-Lung)	1
		Senior Technical Assistant (Pathology work)	1
		Laboratory Attendant.	1
11.	<u>Medicine</u>		
	(i) Section of Cardiology	Senior Technical Assistant	1
		Laboratory Attendant	1
	(ii) Section of Neurology	Laboratory Attendant	1
	(iii) Section of Skin and V.D.	Senior Technical Assistant	1
		Laboratory Assistant	1
		Health Visitor	1
		Laboratory Attendant	1
		Social Worker	1

<u>S.No.</u>	<u>Department</u>	<u>Details of Posts</u>	
	(iv) Section of Endocrinology & Metabalism.	Senior Technical Assistant	1
		Laboratory Attendant	1
	(v) Section of Gastro-enterology	Senior Technical Asstt.	1
		Laboratory Attendant	1
	(vi) Section of Nephrology	Senior Technical Asstt.	1
		Laboratory Attendant	1
	(vii) Section of Tuberculosis & Chest Diseases	Senior Technical Asstt.	1
		Laboratory Assistant	1
		Health Visitor	1
		Social Worker	1
		Social Worker	1
		Laboratory Attendant	1
12.	Orthopedics	Store-keeper	1
		Laboratory Assistant	1
		Physio Therapist	1
		Orthopedic Therapist	1
13.	Anaesthesiology	Store-keeper	1
		Laboratory Assistant	1
14.	Radiology	Record-keeper	1
		Store-keeper	1
15.	Ophthalmology	Senior Refractionist	2
		Store-keeper	1
		Laboratory Assistant	1
		Laboratory Assistant	1
		Animal Attendant	1

<u>S.No.</u>	<u>Department</u>	<u>Details of post</u>	
16.	Paediatrics	Public Health Nurse	1
		Store-keeper	1
		Statistical Assistant	1
		Animal Attendant	1
17.	Radiotherapy and Cancer Research	Store-keeper	1
		Social Worker	1
		Laboratory Assistant	1
18.	Dental Surgery	Senior Technical Assistant	1
		Laboratory Assistant	1
		Dental Hygienist	1
		Store-keeper	1
		Dental Laboratory Attendant	1
19.	Psychiatry	Store-keeper	1
		Laboratory Attendant	1
		Social Worker	1
		Driver	1
20.	E.N.T.	Store-keeper	1
		Acoustics	1
<u>Central Facilities</u>			
(1)	Surgical Research Laboratory	Senior Research Fellows	2
		Junior Research Fellows	2
		Senior Technical Assistant	2
		Laboratory Assistant	1
		Laboratory Attendant	1
		Sweeper-cum-Dome	1

(2) Animal House	Incharge Animal House	1
	Animal Caretaker	1
	Store-keeper	1
	Incinerator Operator	1
	Sweeper-cum-Dome	2
	Animal Attendant	3
(3) Central Workshop	Electronic Engineer	1
.....	Gas House Attendant	1
(4) Art & Photo Section	Photographer	1
	Artist	1
	Store-keeper	1
	Attendant	1
(5) Library	Professional Assistant	1
	Semi-Professional Assistant	2
	Library Attendant	2
(6) Mortuary Complex	Senior Technical Assistant	1
	Mortuary Attendant	1
	Dome	1
(7) Publication Unit	Proof Reader	1
	Packer	1

Note: The scale^s of pay will be as approved for similar posts in the university.

Appendix IV to Item No.9

Department of Sociology - Panjab University

Recurring:

1. Professor - 1 (Population Studies/
Urban Sociology)
2. Readers - 3 (Social Stratification, Social
Demography and Quantitative
Methods in Sociology).
3. Research Associates - 2
4. Visiting Teachers Rs 30,000 p.a.
5. Teacher Fellowships - 4 at any one time.
6. Senior Research Fellowships - 2 at any one time
7. Junior Research Fellowships - 4 every year
8. National Scholarships - 4 every year
9. Research Grant - Rs 10,000 p.a.
10. Administrative & Technical Staff - Rs 20,000 p.a.
11. Publications - Rs 10,000 p.a.
12. Books & Journals - Rs 25,000 p.a.
13. Miscellaneous expenditure - Rs 5,000 p.a.

Non-Recurring:

- a) Books & Journals - Rs 1,50,000
- b) Equipment - Rs 50,000
- c) Building (for 2 seminar
rooms, Staff Rooms and
Departmental Library) Rs 2,50,000
- d) Fixtures and Fittings - Rs 25,000
- e) Seminar - Rs 30,000

Appendix V to Item No.10
Department of History (Modern Indian)
Calcutta University.

Recurring:

1. Professor - one (in Social or Cultural History)
2. Readers - two (one in European History and the other in East Asia);
3. Lecturers - four
4. Research Associates - 3
5. Senior Research Fellowships - 2 at any one time
6. Junior Research Fellowships - 4 p.a.
7. Teacher Fellowships - 4 at any one time.
8. National Scholarships - 4 every year
9. Visiting Fellows - Rs 30,000 p.a.
10. Refresher courses & seminars etc. Rs 10,000 p.a.
11. Administrative & Technical staff - Rs 15,000 p.a.
12. Publications - Rs 10,000 p.a.
13. Library books & journals - Rs 20,000 p.a.
14. Contingencies - Rs 5,000 p.a.
15. Research grant - Rs 10,000' p.a.

Non-Recurring:

- a) Building (4000 sq.ft.) - Rs 2,00,000
- b) Furniture, fixture and fittings - Rs 40,000
- c) Books & Journals- Rs 1,50,000
- d) Microfilm Reader Rs 6,000 or actual cost.
- e) Xerox & typewriter - Rs 40,000

Appendix VI to Item No 15

Recommendations of the COHSSIP
Conference (January 1977).

...

(1) COHSSIP is meant for all the students and should be integrated into the normal programme of studies in the college. It is possible that some parts of the COHSSIP though kept open to all, may not be taken up by all the students equally well. But the college should not disqualify students on its own by restricting the programme to a few. Similarly in the beginning it may be necessary for a time to have the COHSSIP separated from other programmes in the college for the sake of special care and better organisation. But sooner rather than later the COHSSIP must improve and vivify the normal approach to teaching so that improved methods of teaching-learning-assessment become the normal process in the college.

(ii) Teachers in the COHSSIP colleges can and should adopt better methods of assessment. A combination of essay type and objective tests should be used to meet the requirement of specific situations. The COHSSIP colleges should be encouraged to expose teachers to reorientation courses on methods of testing and evaluation.

(iii) No financial incentives should be given to teachers or students doing COHSSIP work. However, special consideration may be given to well-thought out programmes for faculty development proposed by COHSSIP colleges to encourage teachers doing excellent COHSSIP work.

(iv) Amounts sanctioned for non-recurring items and not spent during one academic year may be carried forward to the next academic year. Normally, books should be purchased as soon as possible, but in case of some special difficulty, grants for books may be carried over to the next year. Re-adjustments between different heads of budget in an approved programme are possible to the extent of 10 per cent of the total grant for the year. However, major adjustments in a plan already accepted may be sent to the UGC as a fresh revised proposal.

(v) Teaching assistants paid under the COHSSIP should preferably be postgraduate or research students. If a good case can be made out by a college for using first degree holders as teaching assistants, the UGC may agree, but normally this category of assistants should be considered least acceptable.

(vi) Persons with qualifications such as a B.A. Pass or B.Com. who are assigned clerical or computational work connected with COHSSIP teaching should be considered under the budget provisions for "Office assistant" and not "teaching assistant".

(vii) Provision may be made for one or two - part-time office assistants/typists but full-time office staff may not be employed under the programme.

(viii) Costly equipments whose price consumes a major part of the budget should not be provided under COHSSIP. Xerox machines may not be permitted.

(ix) Regular annual or semi-annual COHSSIP conferences or orientation programmes for smaller groups (regions, zones etc.) should be sponsored by the UGC through COHSSIP colleges.

(x) A quarterly COHSSIP Newsletter for sharing news and views may be started. Professor Jayakar of Ramnarain Ruia College, Bombay may be requested to undertake this project.

(xi) Autonomy is necessary in fully implementing the new methods of teaching and evaluation under COHSSIP and every COHSSIP college should work towards this.

(xii) The initial period for the COHSSIP will continue to be three years for the present.

(xiii) A set of guidelines for study tours under COHSSIP should be worked out. In the meantime, this activity may not be given high priority.

Appendix VII to Item No.22

Assistance approved for establishment
of School of Life Sciences at Kanpur
University during the Vth Plan Period.
(Figures in lakhs of rupees & represents
UGC Share)

A. Non-Recurring

1. Building for the School	7.75
2. Staff Quarters) To be	4.00
3. Men's Hostel) treated	2.50
4. Women's Hostel) as Central facility.	2.25
5. Equipment	12.00
6. Animal House/Farm House/Glass House/ - Fish Pond	1.00
7. Visiting Fellowship	0.50
8. Contingencies	<u>1.00</u>
Total:-	<u>31.00</u>

B. Recurring

1. Four Professors - with specialisation in Plant Physiology/Animal Physiology/Bio-chemistry(Microbial & Industrial)/ Cell biology or cytogenetics/ Spectual and developmental Botany or Zoology.
2. Eight Readers - with specialisation in Microbiology/ Biophysics/Botany and Zoology preferably in areas of cytology, Taxonomy evolutionary biology, morphology and anatomy/ecology or enviremental Biology/genetics.
3. Eight Tech. Assistants.

Four Junior Research Fellowships of the value of Rs.400/- p.m. at any given time.

Appendix VIII to Item No.23

<u>Sl.No.</u>	<u>Department</u>	<u>Staff Sanctioned</u>	
		<u>Prof.</u>	<u>Reader</u>
1.	Business Economics	-	1
2.	Political Science	-	1
3.	History	-	1
4.	Philosophy	1	1
5.	Mathematics	-	1
6.	Sanskrit	1	1

The specialisation of the faculty may be determined by the University with regard to the re-orientation of courses at the South Delhi Campus.

Appendix IX to Item No.32.

Assistance approved for establishment
of a Centre for Life Sciences at Banaras
Hindu University.

(Figures are in lakhs of rupees)

A. Non-Recurring

1. Books & Journals	0.50
2. Equipment (Amino Acid Analyser)	4.00
3. Laboratory	0.50
4. Building	<u>3.00</u>
Total:-	<u>8.00</u>

B. Recurring

1. One Reader in Bio-chemistry.
2. Three lecturers - one each in Botany,
Bio-chemistry and Zoology.
3. One Technician.
4. One Lab. Assistant.
5. Two Lab. Attendants.
6. One Clerk.

APPENDIX-X TO ITEM NO. 34

VISVA - BHARATI (FIFTH PLAN SANCTIONS)

<u>S.N.</u>	<u>Item</u>	<u>Rs. in lakhs</u>
1.	Continuing schemes (Annexure-I)	27.55
2.	Fresh proposals accepted prior to the visit of the Visiting Committee. (Annexure-II).	
3.	Equipment ; (Annexure-III)	15.75
4.	Books & Journals ;	18.30
5.	Building (Annexure-IV)	39.20
6.	Additional Teaching Staff (Annexure-V)	
7.	Other Staff (Annexure-VI)	
8.	Miscellaneous (Annexure-VII)	

ANNEXURE-I

CONTINUING SCHEMES:

Spill-over from Fourth Plan:

1. Humanities Building - Phase-I (Teaching Block) ...	Rs. 7,83,659-00
2. Two Boys' Hostels:	
(i) Vidya Bhavana Hostel ...	Rs. 41,000-00
(ii) Kala Sangit Hostel ...	Rs. 7,04,000-00
3. (a) Vinaya Bhavana:	
Committed expenditure towards payment of Architects fees and for purchase of equipment. ...	Rs. 12,964-22
4. Miscellaneous Projects:	
(i) Siksha Bhavana Hostel. ...	Rs. 45,000-00
(ii) Teachers' Hostel. ...	Rs. 10,000-00
(iii) Improvement of Kitchen & Dining Hall. ...	Rs. 57,000-00
(iv) Staff quarters. ...	Rs. 9,000-00
(v) Extension of Press building. ...	Rs. 55,000-00
(vi) Record Room. ...	Rs. 22,500-00
(vii) Renovation of international Guest House. ...	Rs. 50,000-00
(viii) Master Plan. ...	Rs. 20,000-00
(ix) Green House. ...	Rs. 1,703-08
(x) Science Canteen. ...	Rs. 9,427-21
(xi) Library building & furniture (PSV) ...	Rs. 5,732.82
(xii) Two worksheds for CIT section. ...	Rs. 20,650-00
(xiii) C.I.T. Girls' Hostel. ...	Rs. 1,408-51
5. Security Measures - (G.I. chain link fencing at Santiniketan and Sriniketan). ...	Rs. 1,23,000-00
6. Security Measures at Uttarayan & Nandan ...	Rs. 1,08,000-00
7. 64 Non-academic staff quarters ...	Rs. 3,00,000-00
8. University Water Supply scheme ...	Rs. 1,44,000-00
9. Providing street light in Campus ...	Rs. 2,000-00

p.t.o.

APPENDIX-X TO ITEM NO. 34

VISVA - BHARATI (FIFTH PLAN SANCTIONS)

<u>S.N.</u>	<u>Item</u>	<u>Rs. in lakhs</u>
1.	Continuing schemes (Annexure-I)	27.55
2.	Fresh proposals accepted prior to the visit of the Visiting Committee. (Annexure-II).	
3.	Equipment (Annexure-III)	15.75
4.	Books & Journals	18.30
5.	Building (Annexure-IV)	39.20
6.	Additional Teaching Staff (Annexure-V)	
7.	Other Staff (Annexure-VI)	
8.	Miscellaneous (Annexure-VII)	

ANNEXURE-I

CONTINUING SCHEMES:

Spill-over from Fourth Plan:

1. Humanities Building - Phase-I (Teaching Block) ...	Rs. 7,83,659-00
2. Two Boys' Hostels:	
(i) Vidya Bhavana Hostel ...	Rs. 41,000-00
(ii) Kala Sangit Hostel ...	Rs. 7,04,000-00
3. (a) Vinaya Bhavana:	
Committed expenditure towards payment of Architects fees and for purchase of equipment. ...	Rs. 12,964-22
4. Miscellaneous Projects:	
(i) Siksha Bhavana Hostel. ...	Rs. 45,000-00
(ii) Teachers' Hostel. ...	Rs. 10,000-00
(iii) Improvement of Kitchen & Dining Hall. ...	Rs. 57,000-00
(iv) Staff quarters. ...	Rs. 9,000-00
(v) Extension of Press building. ...	Rs. 55,000-00
(vi) Record Room. ...	Rs. 22,500-00
(vii) Renovation of international Guest House. ...	Rs. 50,000-00
(viii) Master Plan. ...	Rs. 20,000-00
(ix) Green House. ...	Rs. 1,703-08
(x) Science Canteen. ...	Rs. 9,427-21
(xi) Library building & furniture (PSV) ...	Rs. 5,732.82
(xii) Two worksheds for CIT section. ...	Rs. 20,650-00
(xiii) C.I.T. Girls' Hostel. ...	Rs. 1,408-51
5. Security Measures - (G.I. chain link fencing at Santiniketan and Sriniketan). ...	Rs. 1,23,000-00
6. Security Measures at Uttarayan & Nandan ...	Rs. 1,08,000-00
7. 64 Non-academic staff quarters ...	Rs. 3,00,000-00
8. University Water Supply scheme ...	Rs. 1,44,000-00
9. Providing street light in Campus ...	Rs. 2,000-00

p.t.o.

10.	Improvement of existing hostel facilities	...	Rs.	1,000-00
11.	Children's library (Patha Bhavana)	...	Rs.	35,000-00
12.	Development of Play fields & Purchase of accessories.	...	Rs.	3,000-00
13.	Equipment - Humanities.	...	Rs.	144-14
14.	Equipment - Sangit Bhavana.	...	Rs.	2,959-16
15.	Preservation of Manuscripts.	...	Rs.	9,994-85
16.	C.I.T. Machinery Tools.	...	Rs.	841-27
17.	Village Extension - Equipment & accessories.	...	Rs.	,900-02
18.	Salaries of Staff (Fourth Plan)			
	Humanities	...	Rs.	40,000-00
	Science	...	Rs.	33,182-40
	Specific grant outside Fourth Plan	...	Rs.	20,963-38
19.	Salary of Development Officer outside Fourth Plan...	...	Rs.	16,000-00
20.	Salary of Security Staff outside Fourth Plan	...	Rs.	60,966-68
Total:				...
				Rs. 27,54,936-76

ANNEXURE-II

Fresh proposals accepted prior to the Visiting
Committee assessment.

1.	Basic grant for purchase of books & journals.	Rs. 5,00,000-00
2.	Basic grant for purchase of Scientific Equipment.	Rs. 5,00,000-00
3.	Purchase of books, equipment Patha Bhavana.	Rs. 20,000-00
4.	Compilation of Dictionary of Philosophical Symbolical & Religious Terms.	Rs. 3,000-00
5.	Special Officer Rural Extension P.S.V. (Rs.700-1300)	1
6.	Lecturer in Persian	1
7.	Visiting Professors @ Rs.3,000/- per month each.	5

ANNEXURE-III

Equipment and Books and Journals

S.No.	Department	Equipment	Books & Journals
		(Rupees in lakhs)	
1.	Shiksha Satra	0.50	0.20
2.	Patha Bhavana	0.10	0.20
3.	Uttar Shiksha Satra	0.15	0.20
4.	School of Life Sciences.	3.00	2.00
5.	School of Languages.	- -	2.70
6.	School of Social Sciences & Rural Development.	0.20	1.00
7.	Chemistry.	2.00	2.00
8.	Physics.	3.00	2.00
9.	Economics.	0.50	- -
10.	Philosophy.	- -	0.50
11.	Social Work.	- -	1.00
12.	Mathematics.	- -	1.00
13.	School of Historical Studies.	- -	0.50
14.	Workshops and University Service and Instrumentation Centre.	10.00	- -
15.	Central Library.	0.30	5.00
Total:		19.75	18.30

ANNEXURE-IV

<u>S.N.</u>	<u>Building</u>	<u>Rupees in lakhs</u>
1.	Patna Bhavana - (Hostels for Girls) ...	5.00
2.	Shiksha Satra - (Workshop) ...	0.50
3.	Shiksha Satra - (Day Study Centre) ...	0.70
4.	School of Historical Studies ...	1.50
5.	School of Life Sciences (Laboratory Building) ...	2.00
6.	School of Social Sciences & Rural Development (additional accommodation at Sriniketan) ...	2.00
7.	Chemistry Department - (Laboratory Building) ...	2.00
8.	Physics Department - (Laboratory Building) ...	2.00
9.	Mathematics Department - (additional accommodation) ...	1.50
10.	Social Work (Library) ...	1.00
11.	University Service and Instrumentation Centre (additional accommodation) ...	1.50
12.	Hostel for research scholars and Visiting Fellows. ...	8.00
13.	Staff Quarters. ...	10.00
14.	Shiksha Bhavana (Library) ...	1.50
<u>Total:</u> ...		<u>39.20</u>

ANNEXURE V

Additional Teaching Staff approved during the Fifth Plan Period
Staff

S.No.	Department	P	R	L
1.	<u>School of languages :</u>			
i.	Sanskrit/Palli/prakrit	-	-	2
ii.	Oriya	1	-	-
iii.	Marathi/Tamil/Assamese	-	-	3
iv.	Bengali	-	-	1
v.	Hindi	-	-	1
vi.	Linguistics	-	-	1
vii.	English & Modern European Languages	-	-	2
2.	<u>Vidya Bhavana :</u>			
i.	School of Historical Studies	1	2	4
ii.	Social Work	1	1	1
iii.	Economics & Political Science	-	2	3
3.	<u>Shiksha Bhavana :</u>			
i.	School of Life Sciences	1	3	1
ii.	Chemistry	1	1	-
iii.	Physics	-	2	2
4.	<u>Palli Sangathan Vibhaga :</u>	1	2	9
<u>Total:</u>		6	13	28

P - Professor

R - Reader

L - Lecturer

ANNEXURE-VI

Other Staff approved during the Fifth Plan period

<u>S.N.</u>	<u>Department</u>		<u>Staff*</u>	
1.	Patha Bhavana	...	Psychologist	1**
2.	Shiksha Satra	...	Principal	1
			Assistant Lecturers	3
3.	Uttar Shiksha Sadana	...	Teachers in the approved scale for Patha Bhavana.	5
			Senior Assistant	1
			Clerk-cum-Typist	1
4.	School of Languages	...		
	i. Indo-Tibetian Studies	...	Research Associate	1
	ii. Bengali	...	Technical Assistant	1
5.	Widya Bhavana			
	School of Historical Studies	...	Excavation Assistant	1
			Curator	1
6.	Shiksha Bhavana			
	School of Life Sciences	...	SOA/Typist	1
			Technician	1
			Laboratory Assistants	2
			Store-keeper	1
			Gardner	1
			Animal Keeper	1
			Laboratory Attendants	2
7.	Science Library	...	Assistant Librarian	1
			Professional Assistant	1
			Attendants	2
8.	Pali Sangathana Vibhaga	...	Research Investigators	4
9.	Central Library	...	Professional Assistants	2
10.	Ravindra Bhavana	...	Reprographer-cum-Photographic Officer.	1
			Dark-room Assistant	1
			Museum Guide	1
11.	Dispensary	...	Nurses	2

* Scales of pay for these posts to be the same as for similar existing posts in the University.

** Scale of pay to be fixed in consultation with U.G.C.

MISCELLANEOUS SCHEMES

<u>S.N.</u>	<u>Scheme</u>	<u>Rupees in lakhs</u>
1.	<u>School of Social Sciences & Rural Development:</u>	
	i. Mini Bus	0.50
	ii. Travel expenses & contingencies.	0.65
	iii. Administrative expenses.	0.50
	Details to be forwarded by the University.	
2.	Dispensary - equipment	0.75
3.	Indo-Tibetian Studies - purchase of Old manuscripts.	0.00
4.	Maintenance and preservation of old manuscripts.	0.20
5.	School of Historical Studies - Exploration charges.	0.30
6.	5 Fellows @ Rs.2,000/-p.m. - 5 Scholarships @ Rs.1,000/-p.m.	
7.	Junior Research Fellowships - 25 of the value of Rs.400/-p.m. at any given time to be operated according to UGC rules.	

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting:

Date : 18th April, 1977

Time : 10 A.M.

Place : UGC Office, New Delhi.

A G E N D A

- Item No. 1: To receive minutes of the meeting of the Commission held on 21st March, 1977.
- Item No. 2: a) To approve the action taken on certain matters.
b) To receive the items of information.
c) To approve 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 21st March, 77
- Item No. 4: To receive the statement of expenditure incurred by the University Grants Commission during 1976-77 upto 31st March, 1977.
- Item No. 5: To receive a statement indicating the progress of issue of utilisation certificates during the period ending 31st March, 1977. p.1-2.
- Item No. 6: To consider the report of the Committee appointed to work out the details for providing facilities for studies in Marine Sciences in Postgraduate centre, Goa. p.3-8.

P.T.O.

- Item No. 7: To consider the report of the Visiting Committee appointed by the UGC to assess the V Plan requirements of the Institute of Medical Sciences of Banaras Hindu University. p.9-18.
- Item No. 8: To consider the recommendations of the Advisory Committee for the CAS in the Humanities & Social Sciences on the report of the Committee set up by the Commission to evaluate the working of the Centre of Advanced Study in Education at M.S. University of Baroda. p.19-45.
- Item No. 9: To consider the report of the Committee which examined the proposal of the Panjab University for participation of its department of Sociology in the UGC's scheme of CAS/DSA in the Humanities and Social Sciences. p.46-51.
- Item No. 10: To consider the report of the Visiting Committee which examined the proposal of the History Department (Modern India) of the Calcutta University for participation in the programme of Centre of Advanced Study/Departments of Special Assistance in the Humanities & Social Sciences. p.52-60.
- Item No. 11: To consider the report of the Visiting Committee which examined the proposal of the Department of Economics of the Punjabi University, Patiala for participation in the programme of Centres of Advanced Study, Department of Special Assistance in the Humanities & Social Sciences. p.61-71.
- Item No. 12: To consider the report of the Committee set up by the UGC to examine the question of strengthening the professional staff of the Ratan Tata Library of the Delhi School of Economics, Delhi University, Delhi. p.72-78.
- Item No. 13: To consider the report of the Committee appointed by the University Grants Commission to examine the proposal of the Aligarh Muslim University for staff for the Library. p.79-83.

- Item No. 14 : To consider the minutes of the meeting of the UGC Implementation Committee on Examination Reforms held on 2nd March, 1977. p.84-155.
- Item No. 15 : To consider the Recommendations of the Conference of Coordinators of COHSSIP Colleges held at St. Xaviers College, Bombay in January, 1977. (Khandala Camp) p.156-171.
- Item No. 16 : To consider the recommendations of the Directors of Summer Schools in Physics. p.172-175.
- Item No. 17 : To consider the question of relaxation of marks by 5% for Scheduled Castes/ Scheduled Tribes candidates for the purpose of eligibility for the award of research Scholarships/Fellowships in the Universities. p.176-177.
- Item No. 18 : To consider the proposal of the University of Delhi for assistance for the construction of a teachers hostel with about 100 rooms for the implementation of a teachers fellowship Scheme. p.178-182.
- Item No. 19 : To consider the proposal of the University of Madras, Madras for granting autonomous status to the P.G. Centre at Coimbatore & Trichirapally. p.183-188.
- Item No. 20 : To consider the proposal of Allahabad University for approval of grants recommended by the V Plan Visiting Committee under second & Third priorities. p.189-205.
- Item No. 21 : To consider further the revised proposals of the Bangalore University for the construction of Science Blocks at the New Campus. p.206-230.
- Item No. 22 : To consider the proposal of the Kanpur University for assistance for establishment of School of Life Sciences-p.231-240.
- Item No. 23 : To consider the comments of the Delhi University on the observations made by the V Plan Visiting Committee in its report on the South Delhi Campus p.241-275.
- Item No. 24 : To consider the proposal of the Kashi Vidyapith for creation of Professors posts in the Departments of Hindi and Sanskrit. p.276-281.
- Item No. 25 : To consider the proposal of Himachal Pradesh University, Simla for assistance for buildings within the ceiling of Rs. 100 lakhs fixed for the University for the 5th Plan Period. p.282-285.

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting:

Date : 18th April, 1977

Time : 10 A.M.

Place : UGC Office, New Delhi.

A G E N D A

- Item No. 1: To receive minutes of the meeting of the Commission held on 21st March, 1977.
- Item No. 2: a) To approve the action taken on certain matters.
b) To receive the items of information.
c) To approve 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 21st March, 77
- Item No. 4: To receive the statement of expenditure incurred by the University Grants Commission during 1976-77 upto 31st March, 1977.
- Item No. 5: To receive a statement indicating the progress of issue of utilisation certificates during the period ending 31st March, 1977. p.1-2.
- Item No. 6: To consider the report of the Committee appointed to work out the details for providing facilities for studies in Marine Sciences in Postgraduate centre, Goa. p.3-8.

P.T.O.

- Item No. 7: To consider the report of the Visiting Committee appointed by the UGC to assess the V Plan requirements of the Institute of Medical Sciences of Banaras Hindu University. p.9-18.
- Item No. 8: To consider the recommendations of the Advisory Committee for the CAS in the Humanities & Social Sciences on the report of the Committee set up by the Commission to evaluate the working of the Centre of Advanced Study in Education at M.S. University of Baroda. p.19-45.
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- Item No. 25 : To consider the proposal of Himachal Pradesh University, Simla for assistance for buildings within the ceiling of Rs. 100 lakhs fixed for the University for the 5th Plan Period. p.282-285.

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- Item No. 26 : To consider the proposal from Bihar University to continue its Department of Russian Language as an independent unit of the University. p286-288
- Item No. 27 : To consider the proposal of Centre of Advanced Study in Zoology, University of Delhi regarding change in specialisation of the teaching posts sanctioned during V Plan. p289-293.
- Item No. 28 : To consider the proposal of Delhi University regarding the field of specialisation of the post of Professor in Mathematical Statistics sanctioned during the V Plan. p294-295.
- Item No. 29 : To consider the proposal of Lucknow University for change of specialisation for some posts approved by the Commission during the V Plan Period. p296-306.
- Item No. 30. : To consider a proposal from Patna University regarding the changes effected in the areas of specialisation of certain additional posts sanctioned to the Department of Botany of the University on the basis of Fifth Plan Visiting Committee's recommendations. p.307-310.
- Item No. 31 : To consider the proposal of the Banaras Hindu University for creation of post of lecturer in Sinhalese during the V Plan period. p.311-315
- Item No. 32 : To consider the proposal of the Banaras Hindu University for assistance for establishing a Centre for Life Sciences p.316-325.
- Item No. 33 : To consider further proposal of Saurashtra University for development of its Rajkot Campus during V Plan. p.326-356.
- Item No. 34 : To consider the report of the Visiting Committee appointed by the University Grants Commission to examine the Fifth Plan development proposal of Visva Bharati University, Santiniketan.
- Item No. 35 : To note the date and place for the next meeting of the Commission.

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Confidential

UNIVERSITY GRANTS COMMISSION

Meeting;
Date : 18th April, 1977
Time : 10.00 A.M.
Place : UGC Office, New Delhi.

A G E N D A

Item No. 36 To consider the question of providing
r-ecurring assistance to computer centres
in the universities. p 379-381.

Item No. 37 To consider further the question of
sponsoring delegations from the universities
to the selected International Conferences/
Seminars/Workshops. p 382-386.

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

...

Minutes of the 189th meeting of the University Grants Commission held on March 21, 1977.

...

The following were present:

Professor Satish Chandra	...	Chairman
Professor B. Ramachandra Rao	...	Vice-Chairman
Shri K.N. Channa	...	Member
Professor S.S. Saluja	...	Member
Professor (Miss) A.J. Dastur	....	Member
Professor Amrik Singh Cheema	...	Member
Professor Magbool Ahmed	...	Member
Professor B.M. Udgaonkar	...	Member
Dr. Chandran D.S. Devanesen	...	Member
Shri R.K. Chhabra	...	Secretary

Shri G. Ramachandran, Professor S. Gopal and Professor R.P. Bambah regretted their inability to attend the meeting.

SECRETARIAT

Additional Secretary

Dr. J.N. Kaul

Joint Secretaries

Dr. S.K. Dasgupta
Shri S. Viswanath

Deputy Secretaries

Dr. S.C. Goel
Dr. S.P. Gupta
Dr. M.L. Mehta
Dr. T.N. Hajela
Shri Y.D. Sharma
Shri A.B. Gupta
Shri M.P. Balakrishnan

Finance Officer

Shri R.P. Bhattacharjee

...
Director(SRC)

Dr. Jagdish Shankar

At the outset, the Chairman referred to the sad demise of Shri S.N. Lal, Assistant Secretary in the U.G.C. who expired on March 13, 1977. The Commission expressed its deep sorrow on the sad and untimely passing away of Shri S.N. Lal and offered its sincere condolences. The members of the Commission observed a minute's silence in his memory and resolved to convey its sense of sorrow to the members of the bereaved family.

X X X X

The Chairman mentioned that a copy of the UGC Review Committee Report has been received and a request has been made to the Ministry of Education & Social Welfare for additional copies of the Report. As soon as these are received, the Report would be circulated to the members.

Item No.1: To receive the minutes of the meeting of the Commission held on February 21, 1977.

...

Minutes of the 188th meeting of the Commission held on February 21, 1977 were confirmed.

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

...

(a) The Commission approved the action taken on items listed in Appendix 1*.

Arising out of this item, the Commission desired that the colleges already approved for assistance under Rs.5 lakh scheme may be advised to send their proposals for faculty improvement programmes, with special emphasis on providing facilities for remedial courses. This may also be brought to the attention of the colleges which have not yet approached the Commission for assistance under this scheme.

(b) This was noted.

(c) This was noted.

Item No.3: To approve the statement of grants released after the last meeting of the Commission held on February 21, 1977.

...

The Commission approved the grants released after the 1 meeting of the Commission held on February 21, 1977 (Appendix

* Not enclosed.

Item No.4: To receive the statement of expenditure incurred by the University Grants Commission during 1976-77.

...

This was noted.

The Secretary reported the present position of the grants released and sanctioned to the universities and colleges during 1976-77.

He further reported that the Government of India had, subject to the vote of the Parliament, agreed to the following provision for 1977-78:

Plan	...	Rs.4250 lakhs (excluding engineering & technology)
		Rs. 547 lakhs (for engineering & technology)
Total:		Rs.4797 lakhs

Non-plan... Rs.3318.50 lakhs.

It was further noted that the detailed budget estimates would be prepared keeping the above in view and placed before a sub-committee and then brought up before the Commission.

Item No.5: To receive the proceedings of the Committee appointed by the University Grants Commission to consider a proposal from the Ministry of Education & Social Welfare for setting up Centre of Advanced Study and Research at N.C.E.R.T. New Delhi.

...

The Commission agreed to recommend to the Ministry of Education & Social Welfare that the NCERT may set up a Centre of Advanced Study and Research at the Delhi campus of the National Institute of Education for the institution of programmes of studies at the M.Phil. level leading to Associateship of the Centre and the programme at Ph.D. level leading to fellowship of the Centre.

Item No.6: To receive the minutes of the meeting of the Standing Advisory Committee on Area Studies held on February 4, 1977.

...

The Commission accepted the recommendations of the Standing Advisory Committee on Area Studies.

Item No.7: To receive the recommendations of the Engineering Panel at its meeting held on October 19, 1976.

...

The Commission considered the recommendations of the Engineering Panel and observed as follows:

a. The essential qualifications recommended for recruitment of teachers in engineering and technology by the Panel be referred to the Committee which has been appointed to recommend the qualifications for the posts of Lecturers, Readers and Professors in engineering and technology.

b. The scope of the UGC scheme of National Associateship may be widened to cover the training in industry of inservice teachers in engineering and technology, generally below the age of 35 years which may be relaxed on the merit of the case. The normal period of training in industry of 3 months at a time under the scheme may be extended upto 6 months so as to enable the teachers in Engineering/Technology, to gain adequate industrial training in planning, production and other R & D activities. The period of stay for 3 months at a time in respect of teachers in other disciplines may also be similarly raised if necessary, to enable them to avail of the special facilities in other universities/institutions/research organisations etc. Besides actual travel cost (once each way), the Commission will provide an allowance of Rs. 500/-p.m. to the selected National Associate for a period of 6 months to enable him to acquire the requisite training in industry. The period of 6 months industrial training may be further extended by another 6 months provided the allowance of Rs. 500/-p.m. for the extended period agreed to be met by the Industry where the teacher may be attached.

The Commission could not accept the recommendation of the Panel that an undertaking be obtained from fellows to the effect that they will not leave the fellowship at the middle of the tenure.

With regard to the increase in the value of the fellowship and also provision of additional amount to the fellows by the institutions themselves, the Commission desired that the position prevailing in the IITs and the Regional Engineering Colleges may be obtained and the matter brought up again before the Commission.

Item No. 8: To consider further the proposal of the Centre of Advanced Study in Geology, Panjab University Chandigarh for utilisation of grants during the Fifth Plan period.

The Commission accepted the proposal of the CAS in Geology, Panjab University and agreed to provide the grants as given in Appendix III.

p.t.o.

Item No. 9: To consider the report of the Visiting Committee by the University Grants Commission to examine the Fifth Plan development proposals of North Eastern Hill University, Shillong.

The Commission generally accepted the report of the Visiting Committee appointed by it to examine the Fifth Plan proposals of the North Eastern Hill University, Shillong. In this connection, the Commission made the following observations:

- (a) The total allocation of the University for the Fifth Plan may be raised from Rs. 6 crores to Rs. 6.5 crores and the University may be advised to send proposals in respect of the additional allocation of Rs. 50 lakhs.
- (b) In formulating proposals within the additional allocation of Rs. 50 lakhs, special stress may be laid on the Centre for Rural Development.
- (c) It was noted that the orientation for the development of Physics was mainly towards theoretical side. It would be desirable, as in the case of other Departments of the University to give experimental bias to Physics by including areas such as ionospheric and atmospheric studies, utilisation of solar energy, etc.
- (d) The Instrumentation Centre should be set up and managed in accordance with the guidelines laid down by the Commission.
- (e) In the building construction programme to be undertaken by the University in the new campus, top priority should be given to residential accommodation for teachers and student hostels.
- (f) In designing the new campus, the University should make provision for a Central Library and also for modest libraries in the Schools.
- (g) The main aim of the College Development Council should be to promote and oversee the academic development of the colleges.
- (h) The University should take urgent steps to fill in the senior positions of administrative staff e.g. Registrar, Finance Officer and Library staff.
- (i) It is important for a University located in a predominantly tribal area to ensure that the faculty has a genuinely helpful attitude towards students of the weaker sections of the society.

The Commission agreed to provide assistance to the University as given in Appendix IV.

p.t.o.

Item No. 10: To consider the report of the Visiting Committee appointed by the University Grants Commission to examine the proposal of the Department of Economics of the Andhra University for participation in the Programme of Centres of Advanced Study/Departments of Special Assistance in the Humanities and Social Sciences.

The Commission agreed to invite the Department of Economics of Andhra University for participation in the Programme of Special Assistance to University Departments and agreed in principle to provide assistance as given in Appendix V on the condition that the University will effect the amalgamation of the Department of Economics and the Department of Applied Economics. The Commission's assistance may be indicated and provided as soon as the two Departments are merged.

Item No. 11: To consider the report of the Committee appointed by the University Grants Commission to examine the proposal of the Department of Linguistics of Osmania University for participation in the Programmes of Centres of Advanced Study/Department of Special Assistance in the Humanities & Social Sciences.

The Commission agreed to invite the Department of Linguistics, Osmania University for participation in the Programme of Special Assistance to University Departments and to provide assistance as given in Appendix VI. The question of providing support for appointment of Phonetical Senior Research Assistant and Junior Research Assistant may be decided after getting relevant information from the University.

Item No. 12: To consider the report of the Visiting Committee which examined the proposal of the Psychology Department of the University of Allahabad for participation in the Programme of CAS/DSA in the Humanities and Social Sciences.

The Commission agreed to invite the Psychology Department, University of Allahabad for participation in the Programme of Special Assistance to University Departments and to provide assistance as given in Appendix VII.

Arising out of this, the Commission agreed that the Department of Ancient History and Archaeology, Allahabad University, may be assisted under the Programme of Special Assistance. The support provided to the Department, it was noted, had been approved by the Commission under Item 2(a)(14).

Item No. 13: To consider the report of the Committee which examined the proposal of the Calcutta University for participation of its Department of Economics in the University Grants Commission programme of Centres of Advanced Study/Department of Special Assistance in the Humanities and Social Sciences.

Consideration of this item was postponed. It was agreed that matter will be brought up again before the Commission after obtaining additional information as desired by the Commission.

Item No. 14: To consider the report of the Committee set up by the University Grants Commission to consider the proposal of the Bombay University for setting up an inter-disciplinary centres for research and training in Social Development

The Commission desired that the University of Bombay may be advised to send a revised proposal in the light of the comments of the members of the Visiting Committee.

Item No. 15: To consider a reference from the Ministry of Education and Social Welfare regarding revision of Bond obtained from officials deputed for training etc., abroad.

It was agreed that the question of prescribing a bond for teachers deputed for training abroad as suggested by the Public Accounts Committee may be referred to a Committee after obtaining the relevant information from the universities.

Item No. 16: To consider the question of rationalising the scheme of Research Associateships in the universities.

It was agreed that the question of rationalisation of the scheme of research associates in the universities may be referred to a Committee.

Item No. 17: To consider the proposal of the Delhi University for institution of M.A. and Diploma Course in Tamil.

This was withdrawn.

Item No. 18: To consider a reference from the Vice-Chancellor, University of Bombay regarding follow up action consequent upon the 42nd amendment of the constitution placing education in the concurrent list.

Consideration of this item was deferred.

Item No. 19: To consider the proposal of Central Institute of English and Foreign Languages, Hyderabad for the establishment of a Regional Centre in the Northern Region during Fifth Plan period.

The Commission accepted, in principle, the proposal of the Central Institute of English and Foreign Languages, Hyderabad, for the establishment of a Regional Centre in the North and desired that the C.I.E.F.L. may be advised to explore the possibility of locating the centre in the northern region at a place other than Delhi.

Item No. 20: To consider the proposal of the University of Udaipur for the institution of correspondence courses.

The Commission agreed that the University of Udaipur may institute correspondence course for the B.A. degree and assistance may be provided to the University for the purpose according to the norms laid down by the Commission subject to the usual terms and conditions. The proposal of the University for the institution of correspondence courses for B.Ed. may be considered in consultation with NCERT after obtaining information from the University of Rajasthan in this regard.

Item No. 21: To consider a proposal of the University of Kerala, for the establishment of a Music Department during the Fifth Plan period.

The Commission accepted, in principle, the proposal of the Kerala University for the establishment of a Music Department during the V Plan and agreed to provide assistance to the University on the usual sharing basis.

The Commission desired that before conveying the approval, the University be requested to indicate the specific action taken by it on the various recommendations made by the V Plan Visiting Committee in its report accepted by the Commission.

Item No. 22: To consider the proposal of Gorakhpur University for change of specialisation for the post of Professor approved in the Department of Chemistry during the Fifth Plan.

The Commission accepted the proposal of Gorakhpur University for keeping the post of Professor approved in the Chemistry Department "open".

Item No. 23: To consider further the proposal of Bangalore University for the conversion of a post of a Reader in the Department of Political Science into two Lecturerships.

The Commission could not agree to the conversion of one post of Reader with two posts of Lecturers in Political Science at Bangalore University but agreed in principle that an additional post of a Lecturer in Political Science be provided to the University for the Department of Political Science.

The Commission desired that before conveying the approval, the University be requested to indicate the specific action taken by it on the various recommendations made by the V Plan Visiting Committee in its report accepted by the Commission.

Item No. 24: To consider the proposals of the Poona University for the change of specialisations and for additional staff etc., sanctioned during the Fifth Plan.

The Commission accepted the proposal of Poona University for the change of specialisation of faculty/technical positions in the Departments of Botany and Zoology as follows:

Botany: Lecturer in Experimental Botany.

Zoology: Reader in Genetics/Ecology/Physiology.
Technical Assistant - Open.

The Commission also agreed to provide one post of Lecturer in the Department of English.

In this connection, the Commission desired that the University be requested to indicate the present position of implementation of the recommendations made by the Visiting Committee for introduction of M.Sc. course in Ecology.

Item No. 25: To consider the proposal of the Bombay University for change in specialisation of faculty positions sanctioned during Fifth Plan.

The Commission could not accept the proposal of Bombay University for change in specialisation of faculty positions in the Department of Chemistry sanctioned during the V Plan. In this connection, the Commission desired that the Bombay University be advised to discontinue award of M.A./M.Sc. degrees by research only.

Item No. 26: To consider the proposal of the Rajasthan University for the conversion of post of Lecturer in Hindi into that of Lecturer in Persian.

The Commission accepted the proposal of the Rajasthan University for the conversion of one post of Lecturer in Hindi to that of Lecturer in Persian approved during the Fifth Plan.

Item No. 27: To consider the proposal of the Panjab University for approval of grants recommended by the Fifth Plan Visiting Committee for buildings under 2nd and 3rd priorities.

The Commission accepted, in principle, the proposal of the Panjab University for providing assistance for extension of science laboratories and social sciences building upto Rs. 19 lakhs out of funds recommended under second and third priorities by the Visiting Committee. The Commission desired that before approval is conveyed, the University may be requested to indicate specific action taken by it on the various recommendations made in the report of the Visiting Committee accepted by the Commission.

Item No. 28: To consider the proposal of Jammu University for approval of additional grants as well as grants recommended by the Fifth Plan Visiting Committee for buildings under Second and Third priorities.

The Commission agreed, in principle, to provide a grant of Rs. 3.5 lakhs for bio-sciences block and Rs. 7.5 lakhs for library building at Jammu University. The Commission could not accept the additional provision proposed by the University for the law building.

The Commission desired that before conveying the approval, the University may be requested to indicate the specific action taken by it on the various recommendations made by the Fifth Plan Visiting Committee in its report accepted by the Commission.

In this connection, the Commission desired that the proposals for assistance under the second and third priorities received from the Universities (other than books and equipment) may be brought up before it along with a note indicating the action taken by the University concerned on the recommendations made by the Visiting Committee.

Item No. 29: To consider a proposal of teachers training programme in English.

The Commission accepted the recommendations of the Advisory Committee on English language teaching for improvement of teaching in English language.

Item No. 30: To receive a note regarding the reservation of seats to various courses in Universities/Colleges for students belonging to Scheduled Castes and Scheduled Tribes.

This was noted.

In this connection, the Commission desired that the Universities be advised to implement the provision for reservation quota for scheduled castes and scheduled tribes in the same manner as is done by the IITs.

It was further agreed that a Committee may be appointed to elaborate the concept and modalities of implementation of remedial courses to be provided in the universities/colleges. The Commission desired that scheduled caste and scheduled tribe candidates, who apply for award of junior research fellowships, if they so desire, submit their applications direct to the U.G.C.

Item No. 31: To consider the present position of the implementation of examination reforms in the universities.

This was noted.

It was further noted that the recommendations made by the Implementation Committee which had considered this note would be brought up at the next meeting of the Commission.

Item No. 32: To consider the proposals of St. Anthony's College, Shillong (North Eastern Hill University) for financial assistance within Rs. 8 lakhs as University Grants Commission share.

It was suggested that the proposal received from St. Anthony's College, Shillong, may be referred to the Vice-Chancellor, N.E.H.U. for his observations. The College may be advised to suggest some proposals under the faculty improvement programme.

Item No. 33: To consider further the report of the Committee appointed by the University Grants Commission to assess the needs and requirements of the Jammu University, Jammu towards the establishment of a Centre for continuing education in the Fifth Plan period.

The Commission agreed to provide assistance as given in Appendix VIII to the Jammu University towards the establishment of a Centre of Continuing Education in the light of the observations and recommendations of the Visiting Committee.

Item No. 34: To consider the proposal of Bombay University to include (1) B.V. Bhavan's Munglal Goenka Institute of Postgraduate Studies and Research, Chowpatty, Bombay (2) Tata Memorial Hospital, Bombay (3) Cancer Research Institute, Bombay, (4) and Bhabha Atomic Research Centre which are recognised institutions of the University, under Section 2(f) of the UGC Act 1956.

The Commission agreed that the Cancer Research Institute, Bombay, and the Bhabha Atomic Research Centre, Bombay, be brought within the provision of Section 2(f) of the UGC Act 1956 as recognised institutions.

Item No. 35: To consider a proposal from Ministry of Education for the amendment of the Pharmacy Act 1948 in order to empower the Pharmacy Council of India to regulate the first degree course in Pharmacy.

The Commission could not recommend the amendment of the Pharmacy Act 1948 to enable the Pharmacy Council of India to regulate the standards of first degree course in Pharmacy.

Item No. 36: To consider the question of further strengthening University Departments as a follow up of the recommendations made by the Fifth Plan Visiting Committees.

The Commission agreed that there was a need for assessing the status and growth of each discipline in the

universities and that it would be desirable to project the general picture discipline-wise and according to the universities, states and the regions, etc. It was also noted in this connection that the Commission had earlier desired that a review should be made of the implementation of the recommendations of V Plan Visiting Committees which examined the working of the university departments during the V Plan period.

The Commission agreed that, in the first instance, the Convener of the Physics Panel may be requested to undertake a review of the development of physics in the universities on the basis of the information already available in the Commission and the recommendations made by the Visiting Committees. For this purpose, the assistance of a Research Associate may be provided to him.

Item No. 37: 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 in New Delhi on April 18, 1977.

Item No. 38: To consider the recommendations of the Standing Advisory Committee for Centres of Advanced Study and Programme of Special Assistance to selected departments held on 8th March, 1977.

The Commission generally accepted the recommendations of the Standing Advisory Committee for Centres of Advanced Study and Programme of Special Assistance to selected departments and agreed that Visiting Committees may be sent to the departments as indicated in Appendix IX to assess the suitability and requirements of the departments for participation in the programme of special assistance to selected departments.

The Commission also agreed that proposals be invited from the departments as listed in Appendix X for participation in the programme of departmental research support.

It was agreed that the suggestions made by the Advisory Committee for award of fellowships intended for university teachers under the faculty improvement programme may be referred to the Committee which is looking into the question of grant of sabbatical leave to teachers.

Item No. 39: To consider the question of relaxation of eligibility conditions for purposes of assistance to colleges in backward areas and for women colleges under the Rs. 5.00 lakhs scheme.

The Commission agreed that in the case of women colleges, the eligibility conditions under the Rs. 5 lakh scheme with regard to student enrolment and faculty strength be the same as prescribed for colleges in the backward regions. With regard to the proposal of the Orissa Government and J & K Government, it was desired that these may be examined in the light of the decision taken earlier.

In this connection, the Chairman mentioned that he had received representations from different universities and colleges suggesting that as in the case of IITs and the Regional Colleges of Education, ceiling fans be provided in the living rooms of the hostels. The Commission accepted, in principle, to assist the universities and colleges for provision of fans in the living rooms of the hostels and desired that different aspects for providing assistance to the universities and colleges in this regard may be examined.

Item No. 40: To consider the recommendation made in the 22nd report of the Commissioner for Scheduled Castes/Scheduled Tribes (1973-74) relating to reservation of seats in hostels in universities and colleges for students belonging to Scheduled Castes/Scheduled Tribes.

The Commission agreed that the universities and colleges be advised to provide reservation of 20% of seats in hostels for scheduled caste and scheduled tribe students no matter whether the hostels were constructed with assistance from the Commission or from other sources.

Item No. 41: To consider the question of basis and quantum of assistance to the Postgraduate Centre of Jawaharlal Nehru University at Imphal.

The Commission accepted, in principle, to provide assistance on 100% basis for approved items for the Postgraduate Centres at Imphal and Agartala on the condition

p.t.o.

that the State Governments concerned would give an assurance in the first instance that they would not establish a University in the State during the course of the next decade or so.

R.K. CHHABRA
SECRETARY

SATISH CHANDRA
CHAIRMAN

Appendix-III to Item No.8

Grants approved for the Centre of Advanced Study in Geology, Panjab University, Chandigarh, for V Plan period under Centre of Advanced Study Programme.

Non-recurring:

Rupees

1.	Scientific Equipment (including basic grant of Rs.2,00,000/-).	5,00,000/-
2.	Bus and Jeep for Field Work.	1,50,000/-
3.	Field and High Altitude Equipment.	1,00,000/-
4.	Museum Equipment (Furniture etc.).	1,00,000/-
5.	Surveying, Drawing Equipment.	1,00,000/-
6.	Library (including basic grant of Rs.1,00,000/-)	1,50,000/-
	Total:	11,00,000/-

Recurring (upto 31.3.1981).

1.	*Additional Academic Staff - 2 Professors and 3 Readers.	}	}	Grant to be paid on actual expenditure on salary and allowance on posts filled.
	Rs.			
2.	Supporting Staff.	20,000/-	p.a.	(in addition to existing provision)
3.	Contingency	15,000/-	p.a.	-do-
4.	Chemicals & Glasswares.	15,000/-	p.a.	-do-
5.	Publication	10,000/-	p.a.	-do-
6.	Repairs of instruments	15,000/-	p.a.	-do-
7.	Field Work.	20,000/-	p.a.	-do-
8.	Books/Journals/ Micro Films	10,000/-	p.a.	-do-
	Total:	1,05,000/-	p.a.	

contd...2

* The additional posts of 2 Professors should be in (a) Paleobiology and (b) Himalayan Geology (This is in addition to the recently fallen vacant posts of Professor to be filled in Himalayan Geology). The three readers' posts now approved should be filled in (a) Structural Geology (b) Sedimentology and (c) Optical Mineralogy.

Appendix IV to Item No.9.

Abstract of the financial implications of the recommendations of the Visiting Committee to North Eastern Hill University, Shillong.

<u>S.No.</u>	<u>Item</u>	<u>Rs. in lakhs</u>
1.	Continuing Schemes	250.00
2.	Staff (<u>Annexure-I</u>).	21.36
3.	Buildings (<u>Annexure II</u>).	87.50
4.	Equipment	71.20
5.	Books and Journals. | <u>Annexure-III</u>	43.05
6.	Miscellaneous (<u>Annexure-IV</u>)	122.45
	Total:	<u>595.56</u>

Annexure - I

Additional Staff

<u>No.</u>	<u>Department</u>	<u>Professors</u>	<u>Readers</u>	<u>Lecturers.</u>	<u>Others</u>
<u>School of Physical Sciences</u>					
-	Mathematics	1	1	2	-
.	Physics	1	1	2	-
.	Chemistry	1	3	4	-
<u>School of Life Sciences</u>					
.	Botany	1	1	2	-
.	Zoology	1	1	2	-
.	Bio-Chemistry	1	1	2	-
<u>School of Social Sciences</u>					
.	Economics	1	2	1	-
.	History	1	1	2	-
.	Philosophy	-	2	-	-
0.	Political Science	-	2	2	-
1.	Sociology and Anthropology	-	2	2	-
<u>School of Environmental Sciences</u>					
2.	Geography	-	2	2	-
<u>School of Languages</u>					
3.	English	1	1	1	-
<u>School of Education</u>					
4.	Educational Research and Study.	1	2	1	-
5.	Continuing Education	-	-	2	-
		(Programme Associate - 1)			
		(Programme Assistant - 1)			
6.	Library	-	1 Asstt. Librarian 1 Doc. Officer		-
7.	Centre for Creative Arts	1	1 Prof. Asstt.		-
8.	Central Instrumentation Faculty	-	-	-	14*
Total:		_____	_____	_____	_____

contd...2

* Senior Scientific Officer	-	1
Technicians	-	3 E Grade
Technicians	-	3 D Grade
Technicians	-	1 C Grade
Technicians	-	1 B Grade
Instrument Operator	-	2 Senior Technical Assistants.
Instrument Operator	-	2 Junior Technical Assistants.
Carpenter	-	1 Technical Assistant.

Annexure-II

BUILDING	<u>Rs. in lakhs</u>
1. Faculty Complex	2.50
2. Boys' Hostel & Girls' Hostel	2.00
3. Campus Development including maintenance of Engineering Unit.	75.00*
4. Temporary Structure.	8.00
.....Total:.....	<u>87.50</u>

* Detailed proposals to be sent by the University.

Annexure-III.
Equipment, Books & Journals

<u>No.</u>	<u>Department</u>	<u>Equipments</u>	<u>Books and Journals</u> (Rs. In Lakhs)
	Mathematics	1.15	4.00
	Physics	14.00	7.00
	Chemistry	18.00	6.50
<u>School of Life Sciences</u>			
	Botany	6.50	---
	Zoology	6.00	8.00
	Bio- Chemistry	6.00	---
<u>School of Social Sciences</u>			
	Economics	0.20	2.00
	History	0.35	1.25
	Philosophy	-	1.20
	Political Science	-	2.00
	Sociology and Anthropology	0.10	1.50
<u>School of Environmental Sciences</u>			
	Geography	5.00	2.25
<u>School of Languages</u>			
	English	0.50	1.75
<u>School of Education</u>			
	Educational Research & Study	3.00	0.50
	Central Library	-	5.00
	Centre for Creative Arts.	0.40	0.10
	Central Instrumentation facility.	10.00	-
	Total:	<u>71.20</u>	<u>43.05</u>

* Senior Scientific Officer	-	1
Technicians	-	3 E Grade
Technicians	-	3 D Grade
Technicians	-	1 C Grade
Technicians	-	1 B Grade
Instrument Operator	-	2 Senior Technical Assistants.
Instrument Operator	-	2 Junior Technical Assistants.
Carpenter	-	1 Technical Assistant

Annexure-IV

Miscellaneous Schemes

<u>S.No.</u>	<u>Scheme</u>	<u>(Rupees in lakhs)</u>
1.	Study Centres	1.20
2.	College Development Programme	0.50
3.	Buses	2.00
4.	Library (Binding Section)	0.50
5.	Administrative Machinery, Library Staff, Health Care, M.Phil. Programme etc.	50.00*
6.	Central Instrumentation facility.	10.00
7.	Jeep + trailor + driver - School of Life Sciences.	1.50
8.	Performance tours	0.15
9.	Seminars and Exhibition	0.10
10.	Training Programmes for College teachers.	5.00
11.	Library furniture	0.50
12.	University Colleges at Kohima and Aizwal.	50.00*
13.	Jeep/Mini Bus + Driver - School of Social Sciences and Environmental Sciences.	1.00
	Total:	<u>122.45</u>

* Detailed proposals to be sent by the university.

Appendix V to Item No.10

Support recommended and approved by the University Grants Commission for the Department of Economics, Andhra University under special assistance programme.

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Recurring

- (a) Sr. Research Fellows - 4 at any one time.
- (b) Jr. Research Fellows - 4 every year.
- (c) 4 National Scholarships each year (according to the UGC rules). 50 per cent of these scholarships are to be earmarked for students coming from outside the State where the University is located.
- (d) Visiting teachers. Rs.30,000 p.a.
- (e) Library books & journals. Rs.25,000 p.a.
- (f) Research & field work. Rs.25,000 p.a.
- (g) Publications Rs.20,000 p.a.
- (h) Misc. expenditure Rs.10,000 p.a.

Non-recurring

- (a) Books & journals. Rs.1,50,000
- (b) Building Rs.3,00,000
- (c) Equipment, furniture, fixtures & fittings. Rs.1,00,000

...

NB. The Department is already having 5-10 Teacher Fellowships under the Faculty Improvement Programme.

Appendix VI to Item No.11

Support recommended and approved by the
University Grants Commission for the
department of Linguistics, Osmania Uni-
versity under special assistance programme.

.....!

Recurring :

- (a) Professors - 2 (One in Linguistics and one in historical linguistics with special reference to Indo-Aryan).
- (b) Readers - 2 (One in Applied Linguistics with specialization in Hindi/Urdu and one in Socio-Linguistics).
- (c) Lecturers - 2 (One in Psycho-Linguistics).
- (d) Assistant Librarian - 1 (in the scale of the university).
- (e) One Stenographer (in the scale of the university).
- (f) National Scholarships - 4 each year (according to the UGC rules 50 per cent of these scholarships are to be earmarked for students coming from outside the State where the University is located).
- (g) Jr. Research Fellowships - 4 every year.
- (h) Sr. Research Fellowships - 4 At any one time.
- (i) Teacher Fellowships - 6 At any one time.
- (j) Visiting Teachers - Rs.30,000/- p.a.
- (k) Seminars/Conference - Rs.10,000/- p.a.
- (l) Publications - Rs.10,000/- p.a.
- (m) Books & Journals - Rs.25,000/- p.a.
- (n) Research & Field Work - Rs.25,000/- p.a.
- (o) Misc. Expenditure - Rs.10,000/- p.a.

Non-Recurring :

- (a) Phonetic laboratory equipment - Rs.2,00,000/-
- (b) Language Laboratory (20 Booths) - Rs.1,50,000/-
- (c) Library Books & Journals - Rs.1,50,000/-

Appendix VII to Item No. 12

Support recommended and approved by the UGC for the department of Psychology, Allahabad University under special assistance programme.

Recurring:

- (a) Professors - 2 (One in organisational behaviour and one in experimental social psychology).
- (b) Readers - 4 (One in rural/urban Sociology, one in methodology/Social Statistics, one in applied Social Psychology and one in Organisational Behaviour).
- (c) Research Associates - 4
- (d) Sr. Research Fellowships - 4 at any one time.
- (e) Jr. Research Fellowships - 4 every year.
- (f) National Scholarships - 4 every year (according to the UGC rules 50 per cent of these scholarships are to be earmarked for students coming from outside the State where the University is located).
- (g) Visiting Professors Rs. 30,000.00 p.a.
- (h) Administrative & Technical Staff Rs. 20,000.00 p.a.
- (i) Laboratory equipment Rs. 10,000.00 p.a.
- (j) Library Books & Journals Rs. 25,000.00 p.a.
- (k) Publications Rs. 20,000.00 p.a.
- (l) Research & Field Work Rs. 25,000.00 p.a.
- (m) Misc. expenditure Rs. 10,000.00 p.a.

Non-Recurring

- (a) Library Books and Journals Rs. 1,50,000.00
- (b) Furniture Rs. 15,000.00
- (c) Equipment for the laboratory (electronic calculator, multiple copier, office equipment etc.) Rs. 1,00,000.00

p.t.o.

: 2 :

(d) Building (4000 sq.ft.) @ Rs.50/- Rs. 2,00,000.00
per sq.ft. for library, staff
rooms, seminar rooms and
laboratory

N.B. The Department is already having 5-10 Teacher
Fellowships under the Faculty Improvement Programme.

Appendix VIII to Item No.33

Recurring:

Staff

- i) Director of the Centre part-time @ Rs.250/- p.m.
- ii) Coordinator @ Rs.700/- p.m.
- iii) One Programme Officer @ Rs.520/- p.m.
- iv) Steno-typist - Rs.280-500 plus usual allowances.
- v) Junior Assistant - Rs.200-300 plus usual allowances.
- vi) Orderly/Messenger - Rs.170-230 plus usual allowances.

Expenditure on programmes Brochure, annual report and other charges = Rs.63,900 p.a. UGC share at 75%.

Non-recurring

Furniture, Books and Journals, Audio-visual equipment and other equipment = Rs.80,000 UGC share at 75%.

Appendix VII to Item No. 12

Support recommended and approved by the UGC for the department of Psychology, Allahabad University under special assistance programme.

Recurring:

- (a) Professors - 2 (One in organisational behaviour and one in experimental social psychology).
- (b) Readers - 4 (One in rural/urban Sociology, one in methodology/Social Statistics, one in applied Social Psychology and one in Organisational Behaviour).
- (c) Research Associates - 4
- (d) Sr. Research Fellowships - 4 at any one time.
- (e) Jr. Research Fellowships - 4 every year.
- (f) National Scholarships - 4 every year (according to the UGC rules 50 per cent of these scholarships are to be earmarked for students coming from outside the State where the University is located).
- (g) Visiting Professors Rs. 30,000.00 p.a.
- (h) Administrative & Technical Staff Rs. 20,000.00 p.a.
- (i) Laboratory equipment Rs. 10,000.00 p.a.
- (j) Library Books & Journals Rs. 25,000.00 p.a.
- (k) Publications Rs. 20,000.00 p.a.
- (l) Research & Field Work Rs. 25,000.00 p.a.
- (m) Misc. expenditure Rs. 10,000.00 p.a.

Non-Recurring

- (a) Library Books and Journals Rs. 1,50,000.00
- (b) Furniture Rs. 15,000.00
- (c) Equipment for the laboratory Rs. 1,00,000.00
(electronic calculator, multiple copier, office equipment etc.)

p.t.o.

: 2 :

(d)	Building (4000 sq.ft.) @ Rs.50/- per sq.ft. for library, staff rooms, seminar rooms and laboratory	Rs. 2,00,000.00
-----	-------------------------------------------------------------------------------------------------------------	-----------------

N.B. The Department is already having 5-10 Teacher
Fellowships under the Faculty Improvement Programme.

Appendix VIII to Item No.33

Recurring:

Staff

- i) Director of the Centre part-time @ Rs.250/- p.m.
- ii) Coordinator @ Rs.700/- p.m.
- iii) One Programme Officer @ Rs.520/- p.m.
- iv) Steno-typist - Rs.280-500 plus usual allowances.
- v) Junior Assistant - Rs.200-300 plus usual allowances.
- vi) Orderly/Messenger - Rs.170-230 plus usual allowances.

Expenditure on programmes Brochure, annual report and other charges = Rs.63,900 p.a. UGC share at 75%.

Non-recurring

Furniture, Books and Journals, Audio-visual equipment and other equipment = Rs.80,000 UGC share at 75%.

Appendix IX to Item No.38

The departments approved for participating in the programme of special assistance to selected departments.

A. Physics

- i) Roorkee University.
- ii) Rajasthan University.

B. Chemistry

- i) Allahabad University.
- ii) Sardar Patel University.

C. Botany

- i) Patna University.
- ii) Lucknow University.

D. Zoology

- i) Calcutta University.
- ii) Marathwada University.
- iii) Panjab University.

E. Biological Sciences

- i) Madurai University

F. Geology and Geophysics

- i) Roorkee University.
- ii) Mysore University.

G. Geography

- i) Osmania University.
 - ii) Aligarh Muslim University.
-

Appendix X to Item No.38

The departments approved for participation in the programme of departmental Research Support.

A. Physics.

- i) Banaras Hindu University.
- ii) Andhra University (Nuclear Physics Department).

B. Chemistry

- i) Jadavpur University.
- ii) B.N.Chakravarty University.

C. Botany

- i) Kalyani University.
- ii) Allahabad University.
- iii) Sardar Patel University.

D. Zoology

- i) Vikram University.
- ii) Kerala University (Marine Biology).

E. Biological Sciences

- i) Saurashtra University.

F. Geology and Geophysics

- i) Aligarh Muslim University.
- ii) Presidency College, Calcutta.
- iii) Baroda University.
- iv) Osmania University (Geology Department).
- v) Patna University.

G. Geography.

- i) Calcutta University.
 - ii) Panjab University.
 - iii) Mysore University.
 - iv) Banaras Hindu University.
-

Confidential

University Grants Commission

Meeting :-

Dated : 18th April, 1977

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

- (1) Proposals of the Affiliated Colleges accepted under Rs.5.00 lakhs scheme during the 5th Plan period.

No.	Name of the College	Purpose	Estimated	UGC Share	Date of Approval
2	3	4	5	6	
<u>Agra University</u>					
	Kishori Raman College Mathura.	i)Books & Journals ii)Equipment	80,000 <u>80,000</u> 1,60,000	60,000 <u>60,000</u> 1,20,000	1.3.77
	Narain College, Shikohabad.	i)Poultry Shed ii)Incubator & Refrigerator	25,000 <u>15,000</u> 40,000	100% basis	4.3.77
	Smt. Bhagwati Devi Jain Girls Degree College, Agra Cantt.	Construction of Women's hostel for 48 students.	3,52,000	2,50,000	26.3.77
<u>Mathura University</u>					
	Rana Pratap Degree College, Sultanpur.	i)Library Bldg.	3,50,000	accepted in principle on usual sharing basis.	8.3.77
		ii)Books & Journals iii)Equipment(Geog)	40,000 <u>12,000</u> 52,000	30,000 <u>2,000</u> 39,000	
<u>Meerut University</u>					
	Baldev Degree College, Baragaon.	i)Books & Journals ii)Equipment	36,000 <u>32,000</u> 68,000	27,000 <u>24,000</u> 51,000	1.3.77
	Satish Chandra College, Ballia.	i)Books & Journals ii)Equipment	60,000 <u>30,000</u> 1,40,000	45,000 <u>60,000</u> 1,05,000	1.3.77

P.t.o.

----- 1 ----- 2 ----- 3 ----- 4 ----- 5 ----- 6 -----

Gorakhpur University Contd.

7.	Gandhi Shatabadi Smarak Mahavidyalaya Koilsa, Azamgarh.	i)Books & Journals ii)Equipment for Geography & Psychology iii)Library Bldg. & 3 additional class rooms	60,000 <u>24,000</u> 84,000	45,000 <u>18,000</u> 63,000	1.3.77
				Accepted in principle on usual sharing basis	
8.	Lal Bahadur Shastri Degree College, Moghal Sarai, Varanasi.	i)Books & Journals ii)Equipment	48,000 <u>24,000</u> 72,000	36,000 <u>18,000</u> 54,000	3.3.77
9.	Agrasen Mahila Mahavidyalaya Azamgarh.	i)Books & Journals ii)Equipment	24,000 <u>12,000</u> 36,000	18,000 <u>9,000</u> 27,000	2.3.77
10.	Harish Chandra Degree College, Varanasi.	i)Books & Journals ii)Equipment for all needy deptts.	1,00,000 <u>80,000</u> 1,80,000	75,000 <u>60,000</u> 1,35,000	4.3.77
11.	National Degree College, Barhalganj.	i)Construction of 2 class rooms ii)Construction of Canteen Bldg.	1,45,655	2/3 : 1/3 accepted in principle 97,103 Accepted in principle	3.3.77
12.	Janta Degree College, Ranipur, Azamgarh.	Library Building	2,52,247.59	accepted in principle	8.3.77
13.	Digvijai Nath Degree College, Gorakhpur.	Library Building Books & Journals Equipment	5,88,353.23 80,000 <u>32,000</u> 1,12,000	accepted in principle 2/3 : 1/3 60,000 <u>24,000</u> 84,000	10.3.77 10.3.77

Agra University

14.	Gandhi Faizam College, Shahjahanpur	i)Books & Journals ii)Equipment	52,000 <u>40,000</u> 92,000	39,000 <u>30,000</u> 69,000	10.3.77
15.	S.M. College Chandausi.	i)Construction of Geog. laboratory ii)Const. of 3 class rooms	53,377 93,824	26,638 46,662	21.3.77 21.3.77
				(Accepted in principle)	

1	2	3	4	5	6
<u>Gorakhpur University</u>					
16.	St. Andrews College Gorakhpur.	Teacher Fellowships (8)			26.3.77
17.	A.P.N. Degree College, Basti.	N.R.S.C.	Accepted in prin- ciple Maximum limit	70,000	28.3.77
		Books & Journals	60,000	45,000	
		Equipment	<u>16,000</u>	<u>12,000</u>	
			76,000	57,000	
<u>Varanasi University</u>					
18.	Iswar Saran Degree College, Allahabad	i)Books & Journals ii)Equipment	40,000 <u>16,000</u> 56,000	30,000 <u>12,000</u> 42,000	26.3.77
<u>Allahabad University</u>					
	D.A.V. College Mazaffarnagar.	Const. of B.Sc. Biology Lab.	35,200	accepted in principle	26.3.77
	D.A.V. College Bulandshahr	N.R.S.C.	1,20,000	70,000 (Maximum)	26.3.77
<u>Chhilkhand University</u>					
1.	Wardhaman College Bijnor.	i)Books & Journals ii)Equipment for all needy deptts.	1,00,000 <u>80,000</u> 1,80,000	75,000 <u>60,000</u> 1,35,000	8.3.77
2.	Hindi College Moradabad.	i)Books & Journals ii)Equipment iii)Const. of two lecture theatre & 4 class rooms.	1,00,000 40,000	75,000 30,000 Accepted in principle	26.3.77
3.	Adarsh Mahila Mahavidyalaya Bhiwani.	i)Books & Journals ii)Equipment	24,000 16,000	18,000 12,000	19.3.77 19.3.77
4.	Hindi College Sonapat.	Const. of Canteen Building	84,250	56,168	29.3.77

1	2	3	4	5	6
<u>Guru Nanak Day University</u>					
25.	Hans Raj Mahila Mahaviyalaya Lyallpur.	i) Books & Journals ii) Equipment	1,00,000 52,000	75,000 39,000	21.2.77
26.	D.A.V. College Jullundur.	Const. of 4 class-rooms (in principle)	1,66,400	74,073	19.3.77
<u>Himachal Pradesh University</u>					
27.	Govt. College, Dharamsala.	i) Books & Journals ii) Equipment iii) Staff Quarters (in principle)	1,00,000 60,000 3,20,625	75,000 45,000 1,60,312	15.3.77
<u>Jammu University</u>					
28.	S.P.M. Rajput College Jammu	i) Books & Journals ii) Canteen - Purchase of chairs & tables for canteen	52,000 3,000	39,000 2,000	
<u>Kashmir University</u>					
29.	Govt. Degree College Anantnag, Kashmir.	i) Const. of workshop ii) Workshop equipment	47,600 66,000	34,000 66,000	1.4.77
30.	Govt. College for Women, Srinagar.	i) Books & Journals ii) Equipment	48,000 52,000	36,000 39,000	
31.	Amar Singh College Srinagar.	Const. of Workshop (in principle)	34,000	34,000	
<u>Laknow University</u>					
32.	Sri Jai Brain Degree College, Laknow.	i) Books & Journals ii) Equipment	1,20,000 1,00,000	90,000 75,000	21.2.77
<u>Punjab University</u>					
33.	M.C.D.A.V. College for Women, Mandigarh.	i) Books & Journals	52,000	39,000	1.3.77

	2	3	4	5	6
<u>Lab University Contd.</u>					
D.A.V. College Abohar.	i) Books & Journals ii) Equipment iii) N.R.S.C. (in principle)	52,000 60,000 35,000	39,000 45,000 35,000		
<u>Lab University</u>					
Govt. Rajindra College, Bhatinda.	i) Books & Journals ii) Equipment	52,000 20,000	39,000 15,000		15.3.77
<u>Bay Universit</u>					
Chembur Compe- hensive College of Education Bombay.	i) Purchase of Books ii) Teaching material & Audio Visual Aids.	96,000 12,935	72,000 12,935		20.5.76
R.P. Gogate college of Arts & Science, & R.V. Jogalkar College of Commerce, Ratnagiri.	i) Purchase of books ii) Purchase of equipment	75,000 95,000	56,250 71,250		20.5.76
Nirmala Inst. of Education, Pnaji, Goa.	i) Purchase of books ii) Audio Visual Aids	23,000 15,000	21,000 15,000		20.5.76
Ramnarain Rukh College, Bombay.	i) Basic grant for P.G. Deptt. in Science ii) Basic grant for P.G. Deptts. in Humanities	55,000 60,000	31,000 30,000		25.5.76
R.A. Podar Cdlege of Commerce & Eco. Bombay.	i) Basic grant for P.G. Humanities.	60,000	45,000		25.5.76
Khalsa Colleg Bombay.	i) Workshop ii) Books iii) Equipment	59,000 1,00,000 2,20,000	52,000 75,000 1,65,000		3.6.76
R.K. Talreja College of ts, Science & Com. Ulhasnagar.	i) Basic grant for books & Journals (Humanities)	15,000	15,000		11.4.76

1	2	3	4	5	6
<u>Bombay University Contd.</u>					
43.	Ramniranjan Jhunjhunwala Arts, & Science College, Bombay.	i) Basic grant for P.G. (Science) ii) Basic grant for F.G. (Humanities)	30,000 30,000	30,000 30,000	13.3.7
44.	St. Xaviers College Bombay.	i) Basic grant for P.G. (Science) ii) Science equipment iii) Basic grant for F.G. (Humanities) Books & Journals	40,000 40,000 60,000	40,000 40,000 60,000	13.3.7
45.	Sophia College for Women Bombay.	Purchase of Canteen equipment & furniture	45,000	30,000	11.1.7
46.	H.J. College of Education, Bombay.	i) Books & Journals ii) Dev. of Teaching materials & Audio visual aids. iii) Appointment of additional staff. iv) Equipments	40,000 25,000 25,000 60,000	30,000 25,000 25,000 45,000	31.1.77
47.	Ramnarain Ruia College, Bombay.	i) Extension of class rooms ii) Workshop iii) Animal House iv) Books & Journals v) Lab. equipment	2,98,000 64,000 28,400 1,60,000 1,10,000	1,49,000 64,000 28,400 1,20,000 82,500	31.1.77
48.	Wilson College Bombay.	i) Workshop ii) Animal House iii) Extension of Library	73,000 62,000 93,000	1,00,000 62,000 48,000	31.1.77
49.	Kishinchand Chellaram College Bombay.	i) Books & Journals ii) Lab. equipment	50,000 2,90,000	37,500 2,17,500	2.3.77
50.	Hazarimal Somani College of Arts & Science, Bombay.	Basic grant for P.G. (Science)	20,000	20,000	9.3.77

		2	3	4	5	6
<u>Ray University Contd.</u>						
Gokhale Education Society's College of Education (Research, Bombay.	i) Extension of Lab. accommodation ii) Lab. furniture iii) Books & Journals iv) Lab. equipment v) Teaching materials & Audio Visual Aids	50,476		25,338		9.3.77
St. Xaviers College Goa.	i) Books & Journals ii) Lab. equipments	1,00,000		75,000	1,50,000	14.3.77
Seth Laherchari Uttamchand Jhaveri College of Art & Seth Mathuradas Vissonji College of Science, Bombay	i) Extension of Lab. building ii) Purchase of Books & Journals iii) Lab. equipment	48,555		24,250		March, 77
R.A. Podar College of Commerce & Economics, Bombay.	i) Purchase of books & journals ii) Purchase of equipment	2,60,000		1,95,000		March, 77
Ehiwandi Nizamur Nagarpalika College Ehiwandi.	Supplementary remedial instructions	18,000		18,000		July, 76
<u>Thwada University</u>						
Govt. College of Education, Nanded.	i) Books ii) Audio Visual Aids	45,000		32,750	10,600	8.5.76
Adat Vayapari Mn. Society's Degloor College, Degloor.	Extension of College building	5,44,000		1,37,272		19.5.76
Dayan Prasarak Mahavidyalaya Kallam.	Const. of Men's Hostel	3,88,000		1,67,000		8.5.76
M.S.P. Mandal's P.F. Mahavidyalaya Vaijapur.	i) Extension of Teaching accommodation ii) Books & Journals	3,00,000		1,57,000		8.6.76

1	2	3	4	5	6
<u>Marathwada University Contd.</u>					
60.	N.E.S. Peoples' College, Nanded.	1) Extension of class rooms ii) Books & Journals	2,66,000 1,00,000	1,12,000 75,000	29.6.7
61.	J.S.S. Vaidyanath College, Parli-Vajjnath.	1) Extension of class ii) Books iii) Equipments	5,27,208 24,000 1,00,000	1,67,000 18,000 75,000	August
62.	Shri Havgiswamy College, Udgir.	1) Const. of teaching accommodation	13,68,032	2,23,000	Nov., 7
63.	Yogeshwari Mahavidyalaya, Ambajogai.	i) Workshop ii) Equipment	35,071 70,000	50,000 70,000	Sept., 7
64.	PES Milind College of Sc., Aurangabad.	i) Books & Journals ii) Lab. equipment	20,000 60,000	15,000 45,000	Oct., 7
65.	Nutan Mahavidyalaya Sillu.	i) Books & Journals ii) Lab. equipment iii) Workshop	1,80,000 1,40,000 33,000	1,35,000 1,05,000 33,000	Oct., 7
66.	Dayanand Commerce College, Latur.	Books & Journals for F.G.	50,000	20,000	Oct., 7
67.	Vasantrao Naik Mahavidyalaya Aurangabad.	Boys Hostel	4,29,150	1,67,000	Oct., 7
68.	Pratishthan Mahavidyalaya Paithan.	i) Additional teaching accommodation ii) Books & Journals iii) Lab. equipment	4,69,000 30,000 80,000	2,23,000 22,000 45,000	Oct., 7
69.	Maulana Azad College of Arts, Sc. & Commerce, Aurangabad.	i) Const. of Ladies section building ii) Books & Journals iii) Lab. equipments	4,73,923 35,000 75,000	1,00,000 28,250 58,250	15.1.76
70.	M.S.F. Mandals' Deogiri College, Aurangabad.	Const. of South Wing of laboratories	1,87,630	63,000	31.1.77

	2	3	4	5	6
<u>rathwada University Contd.</u>					
• M.P. Law College, Aurangabad.	Boys Hostel	2,80,976	1,00,000	Feb., 77	
• Maharashtra Maha- vidyalaya, Nlanga.	i) Boys Hostel ii) Books & Journals	4,26,465 56,000	2,23,000 42,000	Feb., 77	
• Vivekanand Arts & D alipsing College of Commerce, Aurangabad.	i) Extension of college hostel ii) Principal's quarter iii) Books & Journals iv) NRSC-cum-canteen	1,73,323 92,385 50,000 2,07,850	1,29,000 46,000 37,500 35,000	2.3.77	
• NES Science College, Nanded.	i) Workshop ii) Equipment	80,000 30,000	35,000 30,000	Feb., 77	
<u>Jasthan University</u>					
• Govt. College, Kotputli.	i) Laboratory equipment ii) Extension of Lab. Bldg. iii) Extension of Library	1,52,000 1,67,000 1,59,000	1,14,000 83,500 79,500	31.5.76 28.6.76	
• Govt. College Dausa	Const. of labs.	3,36,000	1,67,000	25.3.77	
• Seth Mathurads Behani Govt. College, Nathara.	i) Books & Journals ii) Lab. equipments	24,000 20,000	18,000 15,000	13.9.76	
• Govt. College Ajmer.	i) Const. of Library Building ii) Books & Journals iii) Equipments iv) Cafeteria for NRSC	3,31,334 2,50,000 2,50,000 57,000	1,64,667 75,000 75,000 38,000	4.11.76 23.2.77	
• Govt. College Kota.	i) Extension of teaching accommodation ii) Books & Journals	3,11,048 1,00,000	1,67,000 75,000	26.3.77	
• Bangur College Didwana.	i) Extension of Lab. ii) Principal's quarters iii) Books & Journals iv) Lab. equipments	88,880 77,800 80,000 1,20,000	59,255 38,900 60,000 90,000	30.10.76	

1	2	3	4	5	6
<u>Rajasthan University Contd.</u>					
81.	Govt. College Shahpura.	i)Extension of Hostel ii)Books & Journals iii)Workshop Building iv)Lab. equipments	3,34,000 40,000 9,600 1,07,420	2,23,000 30,000 9,600 80,715	11.1.77 7.7.76 16.3.77 16.3.77
82.	Govt. College Chittorgarh.	i)Books & Journals ii)Lab. equipments	33,000 1,50,000	24,750 1,12,500	23.2.77
83.	Govt. College Tonk.	Const. of Library Building	4,37,791	1,67,000	30.9.78
84.	Govt. College Karauli.	Const. of Library Building	3,30,000	1,67,000	15.3.77
85.	Govt. College Baran	i)Const. of Lib. Bldg. ii)Books & Journals	3,86,000 12,500	1,67,000 9,375	23.2.77
86.	Govt. College Dungarpur.	Const. of N.R.S.C.	33,100	35,000	17.3.77
87.	Govt. College Bundi.	Const. of Hostel	3,65,500	53,000	22.2.77
88.	Dungar College Bikaner.	i)Purchase of Books & Journals ii)Purchase of Lab. Equip.	1,00,000 1,40,000	75,000 1,05,000	3.2.77
89.	Agarwal College Jaipur.	i)Extension of Lib. building ii)Additional teaching accommodation	1,09,000 1,07,000	54,500 53,500	19.6.76
90.	Banasthali Vidya- peeth Gyan Vigyan Mahavidyalaya Banasthali.	i)Staff quarters ii)Workshop shed iii)Workshop equipment iv)Lab. equipment v)Books & Journals	3,10,000 60,569 50,000 60,000 40,000	1,55,000 60,569 50,000 45,000 30,000	1.2.77 30.10.76
91.	Chirawa College Chirawa.	Purchase of equipment	28,000	21,000	16.10.76
92.	Raj Rishi College, Alwar.	Extension of Lib. building	7,43,300	2,23,000	18.1.77

		2	3	4	5	6
<u>Rajasthan University Contd.</u>						
Sri Kalyam College Sikar.	i) Extension of Lib. ii) Books & Journals	3,82,200 60,000		2,23,000 45,000		4.2.77
Maharani 'S College Jaipur.	i) Extension of Lib. ii) Books & Journals iii) Equipments iv) Faculty Improvement	3,34,000 60,000 40,000 25,000		1,67,000 45,000 30,000 25,000		7.1.77
University Rajasthan College, Jaipur.	i) Building (2 tutorial rooms) ii) Books & Journals iii) Lab. equipment	55,000 80,000 1,60,000		18,420 60,000 1,20,000		9.3.77
Maharaja's College, Jaipur.	i) Const. of teaching accommodation. ii) Equipments iii) Books & Journals iv) Faculty Improvement	3,26,000 2,00,000 1,33,000 50,000		1,63,000 1,50,000 1,00,000 50,000		7.1.77
University Commerce College, Jaipur.	i) Staff quarters 4 Nos. for class IV ii) Books & Journals iii) Equipment	60,000 1,00,000 60,000		30,000 75,000 45,000		11.3.77
Dayanand College Ajmer.	i) Extension of Lib. building. ii) Equipment iii) Books & Journals iv) Canteen	4,00,000 1,44,000 2,00,000 47,945		1,67,000 1,08,000 1,50,000 31,933		15.10.76 8.2.77
Savitri Girls College, Ajmer.	i) Extension of Home Sc. building ii) Extension of class rooms	1,67,000 1,22,000		81,000 61,000		9.9.76
Kanoria Mahil Mahavidyalaya Jaipur.	i) Equipments ii) Innovative Programme (Faculty Improvement) iii) Books & Journals iv) Extension of Lib. bldg., Const. of Sc. & Home Science Lab.	52,248 30,000 48,000 2,87,600		39,133 80,000 35,000 1,43,800		2.11.76 26.8.76

p.t.o.

1	2	3	4	5	6
<u>Rajasthan University Contd.</u>					
101.	Gopikisan Kirmal College of Education, Bagar.	i)Purchase of teaching material & Audio visual aid. ii)Books & Journals iii)Equipment	27,802 32,000 8,000	27,802 24,000 6,000	2.11.76
102.	Jialal Instt. of Education Ajmer.	i)Extension of Lib. building ii)Books & Journals iii)Teaching material & Audio Visual Aids.	1,15,021 80,000 25,000	50,000 60,000 25,000	18.11.76
103.	Banasthali Vidya- pith College of Education Banasthali(Tonk)	i)Lab. building ii)Equipments iii)Books & Journals iv)Teaching aids	1,10,500 26,500 40,000 17,500	73,000 19,000 30,000 17,000	29.5.76
104.	Basic Teachers' Training College Gandhi Vidya Mandir Sardarshahr.	i)Books & Journals ii)Audio Visual Aid & Teaching Aids iii)Improvement of practice teaching	30,000 26,000 30,000	22,500 26,000 23,050	26.6.76 30.10.76
105.	S.G.N. Khalsa College, Sriganganagar.	i)Provision of Canteen	97,700	65,134	18.3.77
106.	Shri G.L. Bihani S.D. College Sriganganagar.	i)Books & Journals ii)Lab. equipments	60,000 40,000	45,000 30,000	17.3.77
107.	S.G.B. Fodar College, Nawalgarh.	i)Books & Journals ii)Equipments iii)Animal House	12,000 1,51,500 30,000	9,000 1,13,625 30,000	22.3.77
108.	Lal Bahadur Shastri College, Jaipur.	Provision of Canteen	43,000	28,666	15.3.77
<u>Udaipur University</u>					
109.	B.N. College Udaipur.	i)N.R.S.C. ii)Books & Journals iii)Workshop shed iv)Workshop equipments	97,965 60,000 35,000 50,000	70,000 45,000 35,000 50,000	15.2.77

	2	3	4	5	6
<u>Rajasthan University</u>					
Savitri Girls College, Ajmer.	1. <u>History</u>				
	Books & Journals including film strips			25,000	1,3,77
	2. <u>Economics</u>				
	a) Books & Journals			20,000	1,3,77
	b) Calculators			2,000	
	c) Building			10,000	
	d) Staff (Lecturer-1)				
	3. <u>Hindi</u>				
	a) Books & Journals			20,000	1,3,77
	b) Equipment (Tape Recorder)			1,000	
	c) Staff (Lecturer-1)				
	4. <u>Misc</u>				
	a) Books & Journals			11,000	1,3,77
	b) Musical Records			1,000	
	c) Musical equipment			10,000	
	d) Building			12,000	
	e) Staff (Instrument Mechanic - 1) Table accompanist - 2)				
Grand Total :				2,28,000 (UGC share)	
Govt. College Ajmer.	1. Books & Journals			2,50,000 (100%)	1,3,77
	2. Equipment			2,56,000 (100%)	
	3. Workshop Building (Physics & Chemical combined)			50,000 Building 100%	
				40,000 Equipment	
	4. Faculty Improvement Programme			65,000 (100%)	
	5. Building			1,25,000 (50%)	
Grand Total				7,86,000 (UGC Share)	

1	2	3	4	5	6	
112.	B.V. Gyan Vigyan Mahavidya- laya, Banasthal.	<u>Purchase of Books & Journals</u> 1. Hindi 2. English 3. Sanskrit 4. History 5. Economics 6. Political Sc. 7. Drawing Painting & Music 8. Chemistry 9. Workshop <u>Equipments</u> Chemistry Drawing & Painting Music		20,000 20,000 20,000 20,000 20,000 20,000 20,000 40,000 40,000 40,000 40,000 40,000		22.2.77
113.	Raj Rishi College Alwar (Raj.)	<u>Purchase of Books & Journals</u> 1. Economics 2. Political Science 3. Hindi 4. Sociology		25,000 25,000 25,000 25,000		8.2.77
<u>Bhagalpur University</u>						
114.	Sahibganj College Sahibganj.	Men's Hostel	2,26,739	1,70,054		1.3.77
115.	S.M. Mahavidyalaya Bhagalpur	i)Books & Journals ii)Lab. equipment	75,000 1,40,000	56,250 1,05,000		5.3.77
<u>Bihar University</u>						
116.	Gopeshwar College Hatwa (Gopalganj)	i)Books & Journals ii)Lab. equipment	30,000 50,000	22,500 37,500		5.3.77
117.	D .A.V. College Siwan.	i)Books & Journals ii)Lab. equipment iii)Teaching Accommo- dation	50,000 1,60,000 3,35,000	37,500 1,20,000 2,23,000		14.3.77
118.	M.S. College Motihari.	i)Books & Journals ii)Lab. equipment	1,30,000 2,00,000	97,500 1,50,000		24.3.77

	2	3	4	5	6
<u>Uttar Pradesh University</u>					
1. Katwa College, Katwa.	i) Lab. Equipment ii) N.R.S.C. iii) Const. of Teachers quarters iv) Teaching Accommoda- tion	80,000 77,620 3,48,125 69,000	60,000 70,000 1,07,000 46,000	23.2.77	
2. Chandernagore Collage	i) Books & Journals ii) Equipment iii) Workshop	87,250 1,29,000 51,150	65,438 96,750 51,150	5.3.77	
<u>Uttar Pradesh University</u>					
1. Vivekananda Centenary College Rahara, 24 Paraganas.	Additional class rooms	1,70,954	85,477	12.3.77	
<u>Uttar Pradesh University</u>					
2. Mangaldai College, Mangaldai.	Construction of Men's Hostel	4,02,633 (Approved in principle)	1,65,261	5.3.77	
Bongaigaon College, Bongaigaon.	i) Books & Journals ii) Library Building	75,000 1,78,940	56,250 1,19,276	22.3.77	
Churachandpur College, Churachandpur.	i) Books & Journals ii) Additional Teaching accommodation	1,43,255.50 1,34,437.50	1,07,419 39,625	23.3.77	
<u>Mithila University.</u>					
J.N. College Madhubani.	i) Books & Journals ii) Lab. Equipment	80,000 80,000	60,000 60,000	14.3.77	
R.N.A.R. College Samastipur.	Books & Journals	45,000	33,750	15.3.77	
<u>Mithila University</u>					
S.S. College Jehnabad.	i) Books & Journals ii) Const. of Lab.	1,60,000 1,82,000	1,20,000 1,22,000	25.2.77	

1	2	3	4	5	6
<u>Patna University</u>					
128.	Patna College Patna.	i)Library Building ii)Books & Journals iii)Lab. Equipments	3,32,350 1,70,000 45,000	1,66,175 1,27,500 33,750	26.2.77
129.	B.N. College Patna.	i)Lab. Building ii)Lab. Equipment iii)Books & Journals	1,60,000 1,00,000 80,000	80,000 75,000 60,000	14.3.77
<u>Ranchi University</u>					
130.	Giridih College Giridih.	Library Building	1,92,449	1,28,299	14.3.77
<u>Sambalpur University</u>					
131.	Govt. College, Rourkela	Construction of Principal's Quarter and three staff quarters	3,24,897	1,62,448	30.3.77
<u>Utkal University</u>					
132.	Salipur College Salipur.	Const. of Workshop	39,400	35,000	31.12.76

(2) Proposals of the Affiliated Colleges accepted
under Rs.1.5 lakhs scheme.

Punjab University

1.	D.A.V. College of Education, Hoshiarpur.	Books & Journals	16,000	12,000	1.2.77
2.	Govt. College of Education, Chandigarh.	Books & Journals	10,000	7,500	23.2.77

p.t.o.

(3) Approval of candidates under National Associateship Scheme -- 1976-77.

The U.G.C. instituted the National Associateship Scheme during 1970 to enable outstanding and young teachers upto the age of 35 years, from Universities and colleges engaged in research to visit and work for short periods at University Centres, Research Institutions, National Laboratories etc. which have special facilities relevant to their respective field of study and research.

There are 300 positions available under the five years' scheme and 100 positions under the one year' scheme at a time. The Commission at its meeting held on 10th December, 1973 inter-alia decided that the selection of National Associates may be done in consultation with relevant subject panels. Accordingly, the nominations received from various universities were referred to various Subject Panels and they recommended 50 more candidates for the award of National Associateship as given below :

S.No.	Name of the Subject Panel	Number of Candidates recommended by the Panel	
		5 years	1 year
1.	Bio-Sciences	5	3
2.	Chemistry	10	4
3.	Physics	7	10
4.	Mathematics	4	1
5.	History	3	3
		29	21

The Panel on Chemistry had recommended that Dr. Y.K. Boon, Lecturer in Chemistry, Sri Venkateswara College, New Delhi, be awarded National Associateship for 5 years instead of one year as approved earlier. The recommendations of the panel have been accepted.

The total number of positions filled in so far including the 50 mentioned above is as under

	Total Positions	Positions filled up	Positions vacant
Under 5 year scheme	300	166	134
Under 1 year scheme	100	46	54

A list of candidates selected for the award is given in Annexures I and II.

- (4) Banaras Hindu University - ~~Shakti~~ a Post of Technical Officer for the Mass Spectrometer under Fifth Plan Development Scheme.
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The Commission had earlier approved a grant of Rs.13 lakh for the purchase of a Mass Spectrometer for setting up of the Service Laboratory at Banaras Hindu University as a first charge to the Fifth Plan allocation of the University. The Banaras Hindu University subsequently requested for the creation of a post of Technical Officer (Category A - Item No.21 dated 22.9.1976) in the pay scale of Rs.700-1300 for looking after the sophisticated instrumentation facilities in Banaras Hindu University. The proposal of the University has been accepted subject to the condition that the expenditure on the post would be met within the Fifth Plan Allocation vide orders dated 2.3.77.

- (5) Acceptance of the Schemes of the Development Schemes of Kanpur University during the V Plan period.
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The University Grants Commission at its meeting held on 19th July, 1976 (Item No.5) considered the report of the Fifth Plan Visiting Committee for Kanpur University and desired that the question of organising of teaching and research in the Kanpur University may be examined further by a Committee of Experts (as in the case of Agra University). The Commission could not agree to any of the colleges of Kanpur University starting M.Phil courses until such time the concept of academic centres and the question of initiating teaching in the University has been considered by the Committee.

Accordingly a Committee was constituted consisting of (1) Professor C.P. Bhambri, Centre for Political Studies, JNU, New Delhi, (2) Professor A.N. Kapoor, Department of Ecology, Rajasthan University, (3) Professor J.N. Kapur, Department of Mathematics, Indian Institute of Technology, Kanpur, (4) Professor R.C. Mehrotra Delhi University, (5) Professor B.M. Udgankar, Tata Institute of Fundamental Research, Bombay, (6) Professor H.L. Sharma, Chairman, Commission for Scientific and Technical Terminology, New Delhi.

The recommendations made by the Committee for introducing M.Phil courses were discussed with the Vice-Chancellor, Kanpur University. The proposal of the university for introduction of M.Phil courses in three subjects viz., Commerce at DAV College;

Education at ANMM College and English at Christ Church College has been approved for this purpose for university, and for library during the Vth Plan period.

A. Staff

<u>S.No.</u>	<u>Purpose</u>	<u>Posts</u>	<u>Specialisation</u>
1.	M.Phil courses in colleges	3 professors 3 Readers	1 professor and 1 reader each in commerce, Education and English.
2.	Library	1 Librarian 1 Asstt. Librarian 2 Cataloguers 2 Technical Asstt.	

Assistance for professors and readers will be on 100% basis and for library staff on 50 : 50 sharing basis.

B. Non-Recurring grants

<u>S.No.</u>	<u>Item</u>	<u>Amount approved</u> (Rs. in lakhs)
1.	Part-time lecturer, Guest speakers, contingencies for M.Phil courses.	1.00 (on 100% basis)
2.	Books & Journals for library	8.00 (on 100% basis)
Total :		9.00

- (6) Punjabi University - Acceptance of the proposal for continuation of Scholarships for post M.Sc./ B.E. diploma courses in Electronics and Television Engineering and Space Sciences.

On the recommendation of an expert committee which visited the Department of Physics, Punjabi University in August, 1971, the Commission agreed to provide a maximum of 10 scholarships of the value of Rs.250/- p.m. to both the M.Sc./B.E. diploma courses in Electronics and Television Engineering and Space Sciences outside the 4th Plan allocation. The courses were started in 1971-72.

The Commission at its meeting held on July 19, 1976 (Item No. 27) considered the recommendations of the Committee appointed by the University Grants Commission to examine the proposal of Punjabi University for the continuation of Scholarships for post M.Sc./B.E. diploma courses in Electronics and Television Engineering and Space Sciences and desired that the recommendations of the Committee may be examined further in the light of the observation made by the Committee and necessary action taken. The proposal of the Punjabi University for continuation of 7 scholarships for the post M.Sc./B.E. diploma courses in Electronics and Television Engineering till the end of Fifth Plan period and 5 scholarships for the post M.Sc./B.E. diploma courses in Space Sciences in the year 1976-77 outside the Fifth Plan allocation has been accepted. The value of scholarship is Rs.400/- p.m.

- (7) Panjab University - Acceptance of the proposal of the University for publication of News letters (1839-42).
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The Panjab University on March, 15, 1963 entered into an agreement with the President of India, regarding publication of certain News-letters (1839-42), being Government records in the custody of the National Archives of India. For one reason or other, the final editing of the News-letters was completed only a short while ago, and National Archives of India desired that the News-letters be printed as soon as possible. The University agreed to undertake the printing of News-letters and requested the Commission for necessary funds. The proposal of the University for assistance of Rs.53,000/- for publication of 500 copies of News-letters (1839-42) in custody with the National Archives of India, has been accepted.

- (8) Additional Assistance for the installation of Computer TDC-312 by the Dibrugarh University.
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The University Grants Commission on the basis of the recommendations of an Expert Committee appointed by it had sanctioned in January, 1976 assistance up to Rs.6.00 lakhs for the purchase of a TDC-312 Computer (1st Phase). The University was also authorised to take necessary steps for procurement of this computer from ECIL, Hyderabad. The Commission subsequently also released Rs.6.00 lakhs to the University to facilitate purchase of this computer in accordance with the specifications as laid down by the ECIL, Hyderabad.

The Commission was informed in September, 1976 by the University that the cost of computer without the stabilizer came to Rs.5,88,044/-. The University also informed the Commission that the total cost of installing the computer including the cost of stabilizer (Rs.15,000/-) and cost of installation (Rs.60,000/-) would come to Rs.6,63,000/- and accordingly sought from the Commission an additional grant of Rs.63,000/- to complete this project.

At its meeting held in August, 1976 (Item No.19), the Commission had decided to pay actual cost to the universities for the installation of computers including air-conditioning, preparation of site and voltage stabilizer on the basis of actual expenditure incurred for the purpose. In terms of this decision, an additional grant of Rs.63,000/- has been sanctioned to the Dibrugarh University for installation of the Computer TDC-312, thus raising the Commission's share of Rs.6.00 lakhs to Rs.6.63 lakhs (vide orders dated the 18th March, 1977).

- (9) Acceptance of the proposal of the Magadh University for construction of Vice-Chancellor's residence.

The Fifth Plan Visiting Committee which assessed the development needs of Magadh University had recommended a grant of Rs.1,03,000/- being 50% of the estimated cost of Rs.2,06,000/- for the construction of Vice-Chancellor's residence, under second priority. In the programmes accepted for implementation, this could not be, therefore, accommodated in the context of limited resources available.

In August, 1976 the Magadh University indicated to the Commission that the construction of Vice-Chancellor's residence was a priority programme and proposed that a sum of Rs.1.50 lakhs as Commission's share may be sanctioned for this construction work, the estimated due to increase in cost of construction material etc. The Magadh University has further on clarification indicated that it is not in a position to take up the construction of the Central Library building for which a sum of Rs.5.00 lakhs has been sanctioned as a first priority programme due to some litigation going on and the court proceedings are not likely to be completed before the end of 4th year of the current plan. In view of this uncertainty and in the context of the urgency for constructing the Vice-Chancellor's residence, the University has sought the concurrence of the Commission to utilise an amount of Rs.1.50 lakhs from this provision for this purpose. In view of this, the proposal of Magadh University for the construction of a Vice-Chancellor's residence at

estimated due to
it of which
worth
3.00 lakhs.

an estimated cost of Rs.3.00 lakhs with Commission's assistance limit to Rs.1.5 lakhs has been accepted in principle subject to the condition that the required amount would be found by the University from out of the provision of Rs.5.00 lakhs which has already been made for the construction of the Central Library building in the current plan. The remaining 50% will be met by the University/State Government. The University has also been advised to forward revised plans and estimates according to the norms now revised which is likely to reduce the cost of building (vide orders on 8.2.1977).

(10) Proposals of the Colleges accepted under COHSSIP.

The thirty six colleges selected recently under COHSSIP have already been reported to the Commission at its meeting held in February, 1977 under Item No.2(a). The proposals received from the following colleges have been processed. Grants approved for initiating the COHSSIP scheme in these colleges are indicated against each college.

<u>S.No.</u>	<u>Name of the College</u>	<u>Grants approved</u>
1.	St. Francis College for Women, Secunderabad.	87,400/- (R + NR)
2.	Marwari College Bhagalpur.	66,700/- (R + NR)
3.	Sahibganj College Sahibganj.	93,900/- (R + NR)
4.	Sri H.K. Arts College Ahmedabad.	52,500/- (R + NR)
5.	Shri S.K. Shah and Shri Krishna O.M. Arts College Modasa.	49,000/- (R + NR)
6.	Sneth P.T. Arts and Science College Godhra.	75,200/- (R + NR)
7.	St. Thomas College Trichur.	60,000/- (R + NR)

8.	M.V. Mahila Arts & Science College, Rajkot.	69,800/-	(R + NR)
9.	Kamani Science & Pratap Rai Arts College, Amreli.	74,000/-	(R + NR)
10.	M.T.B. Arts College, Surat.	81,400/-	(R + NR)
11.	Govt. College, Mandi.	56,400/-	(R + NR)
12.	S.D. College, Ambala Cantt.	72,400/-	(R + NR)
13.	Govt. Arts & Commerce College Indore.	92,900/-	(R + NR)
14.	N.M.D. College of Arts and Commerce, Gondia.	87,600/-	(R + NR)
15.	V.W. Sabha's Arts & Commerce College, Dhulia.	92,400/-	(R + NR)
16.	M.P.C. College, Baripada.	71,400/-	(R + NR)
17.	Sikh National College, Qadian.	68,000/-	(R + NR)
18.	D.A.V. College, Chandigarh.	65,500/-	(R + NR)
19.	Rachaiyappa's College, Madras.	73,400/-	(R + NR)
20.	Stella Maris College, Madras.	59,300/-	(R + NR)
21.	Madras Christian College	1,00,000/-	(R + NR)
22.	S.P. College for Women, Courtallam	50,400/-	(R + NR)

The following additional grants have also been approved to the colleges released under CCHSSIP earlier.

S.No.	Name of the College	Grants already approved	Additional grants approved	Purpose of additional grant
1.	Jawahar Bharati Kavli (A.P.)	50,400/- p.a. (1976-77)	15,200/- (R + NR)	11,200/- (NR) (Tapes, Batteries for recording purposes, typewriter (Telugu) 4,000/- p.a. appointment of part-time teacher in Commerce 1,700/- p.a. stationary cyclostyling etc. p.t.o.

2. Kamraj College Tuticorin.	35,700/- (R + NR)	10,290/- (R + NR)	Rs.5400/- p.a. appointment of part-time typist, remuneration to two students and also for part-time librarian. Rs. 4820/- (NR) for type-writer.
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(11) Approval of grants to Additional COSIP Colleges.

The approval of grants to 34 COSIP colleges during 1976-77 has already been reported to the Commission at its meeting held on 22nd September, 1976.

The proposals from the following colleges have been examined and grants have been approved for a period of 3 years for implementation of COSIP. With the approval of these colleges the total colleges brought under the scheme during 1973-77 comes to 44.

S.No.	Name of the College	Affiliated to Univ.	Grant approved	Date of approval
1.	Shri Jai Narain Degree College, Lucknow.	Lucknow	2,50,000	26.11.1976
2.	Lucknow Christian College, Lucknow.	Lucknow	2,50,000	- do -
3.	Sri Varshneya College, Aligarh.	Agra	2,00,000	- do -
4.	Govt. Science College Jabalpur.	Jabalpur	2,00,000	- do -
5.	Milind College of Science, Aurangabad.	Marathwada	2,50,000	- do -
6.	D.B.S. College, Dehradun.	Garhwal	2,00,000	8.3.1976
7.	S.S.L. Jain College Vidisha.	Bhopal	2,00,000	- do -
8.	Motilal Vigyan Mahavidyalaya, Bhopal.	- do -	3,00,000	- do -
9.	Govt. Sc. College, Rewa.	Awadesh Partap	2,00,000	- do -
10.	S.C.S. College, Puri.	Utkal	2,00,000	- do -

- (12) **College Science Improvement Programme - Approval of grants for follow-up activities and additional grant approved under College Science Improvement Programme.**
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The approval of grants to 29 colleges for undertaking follow-up activities under College Science Improvement Programme have already been reported to the Commission at its meeting held in February, 1977. Proposal from Loyola College, Madras has since been examined and a grant of Rs.2,00,000/- has been approved on 23.2.1977 for undertaking follow-up activities under COSIP.

Additional grant of Rs.50,000/- for Physics Department has been approved on 22.2.1977 to Government Science College, Ratlam for implementation of COSIP. Thus total ceiling grant approved to this college is Rs.3,00,000/- for three years (Rs.2,50,000/- already approved and reported to the Commission at its meeting held on 29th April, 1976).

- (13) **Officiating arrangement in the leave vacancy of Dr. D. Shankar Narayan, Additional Secretary, UGC.**
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In terms of provision contained in para 2 of the Ministry of Finance (Department of Expenditure) O.M. No.F.10(20)-I(Coord)/71 dated the 18th November, 1971 the officiating arrangement has been made in the leave vacancy of Dr. D. Shankar Narayan, Additional Secretary who has been sanctioned 41 days' extraordinary leave without pay from 14th March, 1977 to 23rd April, 1977 with permission to accept Unesco assignment as a Consultant to help the University of Damascus to organise a scientific research programme.

Annexure I to
Item No. 1(a) (3)

Name of the candidates selected during the period
December, 1976 to February, 1977 for the award of National
Associateship for five years :

S.No.	Name of the Candidate	Subject	Name of the University	Date from which award is effective
1.	Dr. J.P. Srivastava	Zoology	Rajasthan	1.3.77
2.	Dr. S.S. Bhat	Botany	Mysore	1.3.77
3.	(Mrs.) P. Chatterjee	Physiology	Calcutta	1.3.77
4.	Dr. N.M. Madhyastha	Aquatic Biology	Mysore	1.3.77
5.	Miss R. Kumal	Child Development	St. Therese College, Cochin	1.3.77
6.	Dr. Y.K. Boon	Chemistry	S.V. College, Nandur	1.3.77
7.	Dr. B.V. Agarwal	"	Allahabad	1.3.77
8.	Dr. R.K. Fabela	"	Berhampur	1.3.77
9.	Dr. J.K. Kirlani	"	Bombay	1.3.77
10.	Dr. N.K. Sharma	"	Jodhpur	1.3.77
11.	Dr. Prakh Bahadur	"	DAV College Muzaffarnagar (Meerut Univ.)	1.3.77
12.	Dr. D.S. Jaden	"	- do -	1.3.77
13.	Dr. J.M. Batwara	"	Raj Rishi College Alwar (Rajasthan)	1.3.77
14.	Dr. V.D. Gupta	"	Rajasthan	1.3.77
15.	Dr. N.S. Bornaia	"	Indore	1.3.77
16.	Dr. H.C. Pradhan	Physics	Ram Narain Rida College	1.4.77
17.	Dr. S.S. Shah	"	Marathwada	1.4.77
18.	Dr. M. Faride	"	Sambalpur	1.4.77
19.	Dr. S.H. Pawar	"	Shivaji	1.4.77
20.	Dr. N.C. Mahapatra	"	Berhampur	1.4.77
21.	Dr. S. Rajagopalan	"	Nagpur	1.4.77
22.	Dr. P.K. Ghosh	"	Viswa Bharati	1.4.77
23.	Dr. H.P. Dixit	Mathematics	Jabalpur	1.4.77
24.	Prof. R.K. Singh	"	Jammu	1.4.77
25.	Dr. Rajad Tandon	"	NEHU	1.4.77
26.	Dr. S. Das	"	Sambalpur	1.4.77
27.	Shri Y.R. Nesaimal	History	Kerala	1.2.77
28.	Dr. D.N. Singh	"	College of Commerce, Patna	1.2.77
29.	Dr. Rehman Ali	"	Bhopal	1.2.77

Annexure II to Item No.2(a) (3)

Name of Candidates selected during the period
December, 1976 to February, 1977 for the award
of National Associateship for One year.

S.No.	Name of the Awardee	Subject	Name of the Instt./Univ.	Date from which the award is effective
1.	Dr. Janardhan Singh	Zoology	BHU	1.3.77
2.	Sh. Y.N. Singh	"	Allahabad	1.3.77
3.	Sh. G.S. Paliwal	Botany	Delhi	1.3.77
4.	Dr. D.V.W. Bhagat	Chemistry	Vikram	1.3.77
5.	Dr. B.N. Misra	"	Himachal Pradesh	1.3.77
6.	Dr. K.C.M. Rao	"	B.T. College Madanpalle (Sri Venkateswara)	1.3.77
7.	Dr. S.S. Dube	"	Govt. College Bhilwan (Rajasthan)	1.3.77
8.	Dr. H.P. Sinha	Physics	Agra College, Agra	1.4.77
9.	Dr. R.C. Tripathi	"	Ewing Christian College, Allahabad	1.4.77
10.	Dr. S.P. Agarwal	"	Awadesh Partap Singh	1.4.77
11.	Mrs. R.S. Bhadhe	"	R.K.T. College, Ulhasnagar	1.4.77
12.	Dr. P.N. Kotru	"	Jammu	1.4.77
13.	Dr. T.R. Joshi	"	Baroda	1.4.77
14.	Dr. M.T. Teli	"	Shivaji	1.4.77
15.	Dr. G. Joshi	"	Indian School of Mines, Dhanbad.	1.4.77
16.	Sh. T.S.M. Somayaraju	"	Andhra	1.4.77
17.	Sh. S.K. Rathore	"	H.S. College Indore	1.4.77
18.	Dr. T. Trivihrikan	Mathematics	Mar Athanastus College (Kerala)	1.4.77
19.	Dr. S.N. Dube	History	Rajasthan	1.2.77
20.	Dr. Kirti Mohanti	"	Bhopal	1.2.77
21.	Dr. Dilbagh Singh	"	Jawaharlal Nehru	1.2.77

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting :

Dated : 18th April, 1977.

Item No. 2 (b) To receive the items of information.

....

(1) Grant of \$ 3,00,000/- from the Ford Foundation for strengthening of area studies at the Universities.

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The Ford Foundation has made available a grant of \$ 300,000 to the Commission through the usual Government of India channel to be utilised for the following purposes during a period of two to three years.

1. Travel of Indian scholars abroad to enable Indian scholars to travel abroad for special training, for updating and adding to their knowledge of their regions of interest, UGC desiring in particular to help younger scholars. \$120,000
2. Foreign scholars invited to India : to enable Indian universities to bring in visiting professors and students from abroad, on a short-term or long-term basis, for lectures and consultation, for conferences, or for training, and to arrange for collaboration on studies of common interest. \$ 90,000
3. Acquisition of books and other materials: to acquire books and periodicals, microfilm and other materials needed by Indian University centres specializing in the study of other countries or regions. \$ 90,000

The above grant would be operated upon by the University Grants Commission.

(2) Indo-Polish Cultural Exchange Programme for the years 1977 and 1978.

The following items have been assigned to University Grants Commission :-

- 1 (a) Both sides will set up a Joint Working group of academicians/professors, which will meet once in each country, to identify the specific areas and the universities/institutions of higher learning for collaboration in the fields of physical and natural sciences, social sciences, engineering and technology and humanities. Details to be worked out by mutual consent.

UGC/Min. of Education
(Tech. Div.)

p.t.o.

- (b) The two sides will work out a bilateral exchange programme between universities and academic institutions of the two sides. In doing so, they will take into account the report of the joint working group mentioned in item (a) above.

The programme will include:

- i) Exchange of teachers/specialists
 - ii) exchange of literature/publications of common interest.
 - iii) joint research programmes in the fields of common interest.
3. Both sides will exchange upto 6 professors/ readers/associate professors. Duration of visit in each case will be decided by mutual consent.
4. The Indian side will send to Warsaw University a Professor/Teacher in Indian studies and the Polish side will send to the University of Delhi a Professor/Teacher in Polish studies.

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UNIVERSITY GRANTS COMMISSION

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Meeting :

Dated : 18th April, 1977.

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

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The following proposals of the colleges have not been approved for financial assistance under Rs. 5.00 lakhs scheme during the Fifth Five year plan period due to non-fulfilment of the eligibility conditions indicated below :-

S.No.	Name of the Projects College	Estimated Cost	Date of Order	Reason
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GORAKHPUR UNIVERSITY

1.	Bapu Degree College, Gorakhpur.	i) Extension of class rooms ii) Library Bldg. iii) Principal's residence iv) Books & Hournals v) Equipment for Geography vi) Faculty development	Rs.6,75,507	24.2.1977	Eligibility condition not fulfilled less number of teachers.
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KANPUR UNIVERSITY

2.	Brahamavarta Degree College, Madhana.	i) Class rooms ii) Admn. Block	Rs.5,86,656 Rs.1,46,661	23.3.77 23.3.77	Less no of teacher and students.
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CALCUTTA UNIVERSITY

3.	Desh Bandhu College for Girls' Calcutta.	i) Construction of class room. ii) Construction of Lib. Bldg.	Rs.1,14,404 } 89,156 }	9.2.77	Low Faculty strength.
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p.t.o.

DIBRUGARH UNIVERSITY

4. M.D.K. Girls College, Dibrugarh.	i) Teaching accommodation.	Rs.5,00,000	} 22.1.77	Low enrolme
	ii) Women's Hostel.	Rs.3,50,000		
5. Sibsagar Girls College, Sibsagar.	i) Teaching Accommodation.	Rs.5,02,532	} 27.12.76	-do-
	ii) Workshop	Rs.1,00,000		
6. Women's College, Tinsukhia.	i) Women's Hostel	Rs.3,92,424	} 26.2.77	-do
	ii) Workshop	Rs.1,03,365		

MAGADH UNIVERSITY

7. Oriental College, Patna City.	i) Extension of teaching accommodation.	Rs.4,89,004	} 17.1.77	-do
	ii) Books and journals	Rs.2,25,000		

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting :

Dated : 18th April 1977

Item No. 3 : To approve the statement of grants released after the last meeting of the Commission held on 21st March, 1977.

University/
Colleges Subject Instalment Amount

1. Agra University

Appointment of Visiting Faculty in Ist 50,000
the Universities.

University Grants Commission Assistance 6,000
for the research project entitled
Dielectric Behaviour of Ionic, Covalent
and Ferroelectric Crystals of Dr.
M.P. Verma, Department of Physics,
Agra College, Agra- Fifth Five Year
Plan period - release of the the 5th
instalment of grant.

Utilisation of services of O/s retired 4,500
teachers payment of grant in respect
of Dr. B.R.sharma.

Utilisation of services of Outstanding 9,000
retired teachers payment of grant in
respect of Chauhan.

-do- Dr. Tilak Tomar. 18,000

Affiliated Colleges

Agra College, SRF in Humanities. 1,500
Agra.

Kanya Mahavidyalaya, Development of undergraduate
Agra. educational facilities. during the
5th plan period. IInd 10,000

-do- -do- " 4,500

S.V.College, Development of postgraduate Studies
Aligarh. in Humanities. 10,650

S.D.College, -do- Ist 3,000
Chaziabad.

p.t.o.

- (b) The two sides will work out a bilateral exchange programme between universities and academic institutions of the two sides. In doing so, they will take into account the report of the joint working group mentioned in item (a) above.

The programme will include:

- i) Exchange of teachers/specialists
 - ii) exchange of literature/publications of common interest.
 - iii) joint research programmes in the fields of common interest.
3. Both sides will exchange upto 6 professors/ readers/associate professors. Duration of visit in each case will be decided by mutual consent.
4. The Indian side will send to Warsaw University a Professor/Teacher in Indian studies and the Polish side will send to the University of Delhi a Professor/Teacher in Polish studies.

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Affiliated Colleges,
Agra University (Contd)

RCA Girls Degree College, Mathura.	Students Aid fund in the College grant for 1976-77	750
SSJ D.College, Mathura.	Additional grant for Book Bank 1976-77	1,000
SBJ Degree College, Mathura.	Book Bank	1,875
B.S.A. College, Mathura.	-do-	4,668
S.J. College, Agra.	Payment of salary to Shri Prabhakar Singh, Lecturer in Physics appointed as a substitute in place of Shri JK sharma awarded a teacher Fellowship.	1,111.26

2,33,924.28

2. Allahabad University

Award of Teacher Fellowship to Shri Satyendra Singh Lecturer in Chemistry at Ewing Christian College, Allahabad.	1,000
SRF in science	500
University Grants Commission Assistance for the research proj. entitled oxidation of Organic compounds by cerium (IV) Dr. BDL. Saxena, Reader in Chemistry. Allahabad University, Allahabad. Approval & Release of grant.	8,300
Financial Assistance to teachers in the universities and college for undertaking minor research projects in Science- Payment of grant.	3,000
Award of Postgraduate Scholarships of the Value of Rs. 400 p.m. to the Students admitted during 1976-77.	20,000
Utilisation of services of outstanding retired teachers. payment of grant in respect of Dr. Verma	

Allahabad University)Contd)

	Utilistion of services of outstanding retired teachers- payment of grant in respect of Dr. Shukla.	9,888
	Utilisation of services of outstanding retired teachers- payment of grant in respect of Shri US Koshak.	9,000
	Utilisation of services of outstanding retired teachers- Payment of grant in respect of Dr. Hussain.	18,000
	Support for advanced research in the Humanities and Social Sciences.	1,000
	Financial Assistance for the Development of Museum and Audio Visual Aids in the universities.	25,000

Affiliated Colleges

EC College, Allahabad.	Payment of Salary to Staff.	4,445
AA Institute, Allahabad.	Financial Assistance to teachers in the Universities and colleges for undertaking minor research projects in science- Payment of grant Code No. 7977.	3,300
-do-	-do-	30,000
E.C.College, Allahabad.	Payment of salary to shri Ram Chandra.	4,226.
C?M.P. Degree College, Allahabad.	Establishment of Book Bank in College,	5,625

1,43,284.39

3. Aligarh Muslim University

Senior Research Fellowship in Humanities including Social Sciences, Research Fellowship in payment of Fellowship and contingency grant.	2,500
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Aligarh Muslim University (Contd)

JRF in Science- Payment of Contingency grant.	1,500
Scholarship for Postgraduate studies in Parsian - Miss Shaheen Aman.	3,000
-do-	3,000
Award of Postgraduate Scholarships of the Value of Rs. 400/- p.m. to the students admitted during 76-77 against approved intake in the Faculty of Engg. and Technology including pharmacy.	1,00,000
Aligarh Muslim University Provision of additional external services in Jawaharlal Medical College-Construction of Roads Phase II.	44,780
-do-	1,00,000
Utilisation of Services of outstanding retired teachers payment of grant in respect of Uasan.	2,612.91
Utilisation of services of outstanding retired teachers- payment of retired teacher Dr. Main A. Jarbi.	9,000
Development of Area Studies Programme contingent grant in respect of Mr. Asghar Mahdi. Junior Research Fellowship.	474.66
Organisation of Summer Institute in Geography for College Teachers	25,000
Development of New Teaching Methods, Materials and Aids for Physics Education at Undergraduate level.	1,00,000
University Grants Commission Assistant for the research project entitled Reactions of Transition Metal Halides in the Solid State of Dr. M.A. Beg. Department of Chemistry. Aligarh Muslim University. Aligarh. Fifth five year plan period- Release of 4th instalment of grant.	17,000
Aligarh Muslim University Women's College- S. Scheme.	2,00,000

Aligarh Muslim University (Contd)

Appointment of Visiting Faculty in the Universities.	1,00,000
Purchase of Crockery and Indoor Games under Students Amenities programmes.	60,000
Award of Teacher Fellowship to Shri Syad Qamarul Ha ssan for 3 years Lecturer in Chemistry at Pt. Jawaharlal Nehru College, Banda.	1,735
Unassigend grant for 76-77	10,000
Construction of 100 Women's Students Hostel.	1,00,000
Award of Teacher Fellowship for 3 years to Shri Mohd. Mustageam Khan, Lecturer in Chemistry at St. Andrews College, Gorakhspur.	1,750
-do- Bareilly. to S.S.Ahmed.	1,887
-do- -do-	1,387
Augmentation of Electric supply in the University Campus.	25,000
Aligarh Muslim University- Provision of additional external services for Jawaharalal Nehru Medical College, construction of storm water drainage.	5,895

9,16,521.57

4. Andhra University

Award of Teacher fellowship to Shri K. R. Lecturer in Botany, Noble college, Machilipatnam.	2,393
Organisation of Seminar/Symposia during 1976-77	8,000
Allocation of Unassigned grant for the year 1976-77	20,000
Allocation of grant for UGC unit (Unassigned Grant) for 1976-77 - Fifth Five year plan.	12,000

Andhra University (Contd)

Programme of Special Assistance to Selected Department- Department of Botany- release of On account grant regarding.	65,000
Appointment of Visiting faculty in the Universities.	50,000
Scheme of Assistance for the publication of learned/Research work including Doctoral Thesis during Fifth Plan period.	Ist 25,000
Visit of Mr. K. R. Murty, Lecturer in Sociology to U.K. under the Programme of Exchange of visits by Younger Scientist between India and UK during 1976-77	13,460
University Grants Commission assistance for the research project entitled Probability techniques, Valiron Viman- Theory and application to differential equations in several complex variables by Dr. J. Gopala Krishna. Department of Mathematics, Andhra University Waltair.	5,000
Financial Assistance to teachers in the universities and college for undertaking minor research programme.	8,500
-do-	3,000
-do-	8,000
-do-	6,000
-do-	6,000
-do-	2,000
-do-	3,000
-do-	7,000
-do-	3,500
-do-	7,000
-do-	9,500
-do-	7,500
-do-	9,000
-do-	8,000

Andhra University (Contd)

Financial Assistance to teachers in the Universities and colleges for undertaking minor research projects in Sc. Payment of grant Code No. 7901.	8,000
Organisation of Conference on the Mother life and works.	2,000
Award of studentship of the value of Rs. 250 p r month each to the P.S. Studies of M.Sc. Tech. Applied Geology Geology Course during 1976-77	30,000
-do-	40,000
Fifth Five year plan building project approved by UGC for Geography Department plans & Estimates submitted.	50,000
-do-	20,000
College Science Improvement Programme University leadership project in Chemistry.	2,00,000
Grant in aid for the purchase of equipment for Science and Humanities departments during the Fifth five year paland period.	7,50,000
Award of Postgraduate Scholarships of the value of Rs. 400 p.m. to the Students admitted during 1976-77 aga nst approved intake in the faculty of Engg. and Tech. including pharmacy.	2,40,000
Organisation of Summer Institute in Statistics for college teachers.	25,000
Grant for support of research in the uniersities during Fifth Plan period	50,000
University Grants Commission Assistance for the research project entitled Bionomics of Helminth Parasites of fresh water fishes Paudean and Panchax and P. Melatigama by Dr. R. Madhavi, Department of Zoology, Andhra University.	6,000

Andhra University (Contd)

	Development of Schemes under Vth Plan period- purchase of Books and Journals for Science & Humanities Departments- Regarding	5,00,000
	Andhra University- Construction of Gandhi Bhavan.	5,000
	Establishment of Health Centre Purchase of equipment.	10,000
Sem	Seminar on Integrated Rural Development.	10,000
	Junior Research Fellowships Humanities including Social Sciences Payment of contingency grant to Shri K. Ravi.	1,500
	-do-	5,906
	-do-	5,422
	-do-	400
	-do-	2,725
	-do-	2,758
	-do-	5,600
	-do-	5,700
	Utilisation of services of outstanding retired teachers. payment of grant in respect of V. Pantulu.	9,000
	-do- JN Sastry.	9,000
	-do- BSU Dutt.	9,000
	-do- Mr Rao.	9,000
	Construction of Laboratory Building payment of grant.	20,000
	Improvement of undergraduate educational facilities during Vth Period-Construction of Zoology and Botany Laboratories regarding.	50,000

Affiliated Colleges, Andhra University

JRC College, Guntur.	Financial Assistance to teachers in the universities and colleges for undertaking minor research proj. in Science- Payment of grant.	3,000
AJM College, Andhra.	Financial Assistance to teachers.	4,000
A. College, Vijayavada.	-do-	6,000
Govt. College, Srikahilam.	-do-	3,500
MM College, Vijayavada.	-do-	4,500
Govt. College, Srikakulam.	-do-	6,900
S.S.N. College, Andhra.	-do-	8,800
S.S.N. College, Na asarapet.	Construction of Library & Reading Room- release of grants Regarding.	80,000
V.K. College, Budhavaram.	-do-	1,000
A.L. College, Vijayawada.	Release of grants towards furniture for Lecture Theatres, furniture and fittings for Laboratory and Central Stair Case.	50,250
AMA College Andhra .	Financial assistance to teachers for research learned work in humanities and social sciences- Payment of Second instalment of grant.	1,500
-do-	-do-	500
Govt. College, Andhra.	-do-	1,000
DNR. College, Bhimavaram	-do-	4,739
M.B. College of Education Visianagram.	Fifth Five year plan-Improvement of Undergraduate scheme.	4,000

Affiliated Colleges (Andhra University)

N.R.College, of Education V-janagaram.	Fifth Five Year plan improvement of undergraduate Education facilities in affiliated colleges Grant for Books & Journals.	4,000
St. J.College for Women, Walair. Visakhapatnam.	College Humanities and Social Sciences Development programme.	28,700
S.K.S.R. College, Amalapuram.	Book Bank.	3,742
Ch.S.D.St. T. College, Sura.	Students aid fund in the colleges	2,250
SVP M.College, Hegaram.	do-	800
Govt. College, Harole.	-do-	626
		25,99,671

5. Annamalai University

Utilisation of services of out- standing retired teachers. payment of grant in respect of Thiru S. Venkatrama Chettiar.	4,500
-do- Thiru P.S. Ramanujachari.	9,000
-do- Thiru PS Varadashari.	9,000
-do- Dr. K. Neolakatan.	9,000
-do- Grant for support of Research in the Universities during Fifth Plan period- release of end instalment.	50,000
Organisation of Summer Institute in New Trends in Modern Hindi Literature.	15,000
Organisation of Summer Institute in Physics for college teachers.	11,000
Award of Junior Research Fellowships in Centre of Advanced Study in 1976-77 Joining reports forwarding of .	8,884

Annamalai University (Contd)

Financial Assistance to teachers and colleges for undertaking minor research projects.	5,000
Seminar on Management Techniques in Educational Administration.	15,000
Appointment of Visiting Faculty in the Universities.	50,000
Award of Postgraduate Scholarships of the value of Rs. 400/- p.m- to the Students admitted during 1976-77 against approved intake in the faculty of Engineering and Technology including pharmacy.	60,000
Organisation of National/Conference Convention involving teachers at the college level.	2,000
Establishment of Bobby workshop -P purchase of equipment.	5,852
Award of Junior Research Fellowship in CAS in Linguistics 1976-77 Joining report in respect of Miss. K.V. Jalajakshi forwarding of.	2,860
Financial Assistance to teachers for research/learned work in Humanities and Social Sciences.	500
Organisation of Seminar on Historical Linguistics	8,500

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2,66,096

6. Avadh Univeristy

KSS PG College, Faizabad.	Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Scinece.	3,000
KP.College, Bahraich.	-do-	4,500

Avadh University (Contd) : 13 :

M.S.S.College, Faijabad.	Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Scinece.	3,000
K.M.I of Sc.e & T. Sultanpur.	-do-	9,000
-do-	-do-	9,400
Govt. PG College, Satna.	-do-	3,000
Kissan P.G. College, Bahraich.	-do-	1,000
RR D.College, Amethi.	Development of undergraduate education during Vth Plan.	900
-do-	-do-	30,000
D.College, Pratapgrah.	Additional grant for Book	5,625
-do-	-do-	3,750
B.B.D.College, Paruiya Shram.	-do-	4,219
Ganpat Sahai D. College, Sultanpur.	-do-	393
B.B.D.D.College, Faizabad.	-do-	2,813
G.S.D.College, Sultanpur.	-do-	10,000
P.B. D.College, Pratapgarh.	-do-	1,000
		91,600

Z. A. P. Singh University (Rewa)

Appointment of Visiting Faculty in the University.	50,000
Allocation of Unassigned grant during 1976-77 UGC unit release of grant for.	4,000

p.t.o.

A.P. Singh University (Contd)

Affiliated Colleges.

Govt. Sce. College, Rewa.	Development grant under 5 Lakh Scheme.	60,000
-do-	-do-	20,000
Govt. College, Shahadol	Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Science.	4,000
-do- Sc. College. Rewa.	-do-	6,500
M. College, Chhatarpur.	Development of P.G. Studies in Humanities and Social Sciences during IVth Plan period.	5,600
TRS College, Rewa.	Grant to affiliated colleges for loan of Books to students.	4,505
G.G D. College, Rewa.	Financial Assistance to affiliated colleges for the expansion of Book Bank scheme during 1976-77	4,000
KNG College, Satna.	Students aid fund in the colleges.	714
M. College, Chhatarpur.	Improvement of Undergraduate facilities during Vth Plan period purchase of library book and Journals	50,000
		2,09,319

8. Bangalore Universty

Development Schemes under V Plan period construction of Men's hostel for 108 students.		
	Ist	1,00,000
	-do-	Vth 9,00,000

p.t.o.

Bangalore University

Senior Research Fellowships in Sceince Humanities including Social Sciences Research Fellowships in Engineering and technology.- payment of contingency grant.	1,500
-do-	5,074
-do-	5,009
-do-	4,915
-do-	5,620
-do-	5,686.67
-do-	5,422.58
-do-	5,422.58
-do-	5,686.67
Organisation of Refersher Courses in Commerce.	11,000
Utilisation of services of outstanding retired teachers- payment of grant in respect of Dr. K. Subramanayam.	7,040
-do-	9,000
Financial Assistance to teachers for research learned work in Humanities and social sciences- payment of second instalment.	2,500
Appointment of Visiting Faculty in the Universities.	50,000
Utilisation of services of outstanding retired teachers payment of grant in respect of Prof. R.R. Umarji.	9,000
Award of postgraduate Scholarships of the value of Rs. 500 p.m. to the Students admitted during 1976-77 against approved intake in the Faculty of Engineering and Technolowy including pharmacy.	95,000
Grants for support of Research in the Universities during Fifth Plan period release of 2nd instalment.	60,000
Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in sc.	4,000

Bangalore University (Contd)

Grants for support of Research in the Universities during fifth Plan period release of 2nd instalment.		50,000
Financial Assistance to teachers in the Universities and colleges for undertaking minor research projects in Science.		4,000
	-do-	7,200
	-do-	7,500
	-do-	7,500
	-do-	5,300
	-do-	5,300
	-do-	8,000
	-do-	8,500
	-do-	1,500
	-do-	1,500
	-do-	4,500
Seminar on Contemporary History		11,000
<u>Affiliated Colleges.</u>		
National College, Bangalore.	Purchase of Laboratory equipment	12,000
-do-	Purchase of Lib. Books and Journals	25,000
MES College, Bangalore.	Financial assistance to teachers in the universities and colleges for undertaking minor research project.	8,000
VC of A & Sc. College, Bangalore.	-do-	9,500
Govt. College for Sc. Bangalore.	-do-	3,000
Bangalore UNIVERSITY BANGALORE.	-do-	4,500

Affiliated Colleges,
Bangalore University (Contd)

SKSJT Instt. Bangalore.	Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in science.		6,500
BM College, Bangalore.	-do-		5,500
K.College, Tiptur.	Construction of Botany Block		60,000
SJM College, Bangalore.	Establishment of Book Bank.		1,875
S.J. College of Science Bangalore.	-do-		2,750
-do-	-do-	IInd	2,750
Medical College, Bangalore.	Grants towards the loan of Books setting up of Book Bank during 1976-77		11,250
SN College, Bangalore.	-do-		2,000
Govt. Sce. College, Bangalore.	-do-		5,625
SMS College, Bangalore.	Students aid fund to colleges for the year 1976-77.		1,593

15,72,519.50

9. Banaras Hindu University

Junior Research Fellowships in Humanities including Social Sciences - Payment of fellowship and contingency grant.		5,074.19
-do-		5,422
-do-		4,970
-do-		50.58
-do-		5,422

Banaras Hindu University Contd.

Junior Research Fellowships in Sciences Humanities including Social Sciences Research Fellowships in Enggineering & Technology - Payment of Fellowship and contingency grant.	5,422
Junior Research fellowships in Humanities including Social Sciences in Tech.	1,500
-do-	1,500
-do-	1,500
-do-	2,000
-do-	2,000
-do-	1,500
-do-	1,500
Banaras Hindu University- Purchase of Equipment for the Hospital attached to the Institute of Medical Sciences.	5,25,000
Banaras Hindu University -Construction of 550 bedded ward in SS hospital attached to Institute of Medical Sciences (Purchase of furniture for all phase of Hospital.	5,00,000
Visit of Dr. R.C. Tiwari Lecturer in Soil Sciences to UK under the Programme of Exchange of Visits by Younger Scientists between Indian and U.K. during 1976.	1,991.50
-do- Dr. AM.Mantri.	1,991.50
Construction of two additonal warden quarter for 212 Men students Hostel under fourth plan development scheme.	16,340.1
Scholarship for Post Graduate studies in Persian 1976- 77	3,000
Banaras Hindu University-Construction of 550 bedded Hospital attached to the Institute of Medical Sciences- Phase IV comprising of casuality & research ward, convalescent ward Motuary, Kitchen, Laundry, additional lifts etc.	2,00,000
Utilisation of services of Outstanding retired teachers.	9,000

Banaras Hindu University (Contd)

Utilisation of services of outstanding retired teachers payment of grant in respect of prof. RS Singh.	9,000
Banaras Hindu University-Continuation of Nurses Training Scheme Re-imbusement of expenditure incurred by Banaras Hindu University from 1969-70 to 1973-74.	6,07,000
University Grants Commission Assistance for the research project entitled studies on the causes and prevention of aging of mammalian tissues by Professor M.S. Kanungo Department of Zoology, Banaras Hindu University.	15,000
University Grants Commission Assistance for the research project entitled electron Microscope Studies on the Deformation and Alloying Behaviour of Rare Earth Metals and on the Defect Structure of Rare Earth Metal Oxides of Dr. ON Srivastava, Department of Physics, Banaras Hindu University Varanasi. Fifth Five year Plan period.	27,000
Programme of special assistance to selected Departments- Department of Zoology	1,65,000
University Grants Commission Assistance for the research project entitled Regulation of feeding and Geue Activity in the polytene cells of prospiiks by Dr. SC Lakhotia, Department of Zoology, Gujarat University.	15,070
Provision of External service connections to the Medical staff quarters in the Panchkoshi Area near DLW Road Banaras Hin du University.	55,000
Programme of Special assistance to selected Departments- Department of Metallurgy- release of On account of grant regarding.	4,70,000
Award of Postgraduate Scholarship of the value of Rs. 400 p.m. to the students admitted during the 77 against approved intake in the Faculty of Engg.	3,70,000

Banaras Hindu University
(Contd)

University Grants Commission Assistance for the research project entitled Structural Topography of the Ribosomes and Their Sub Units of Prof. DP Burma, Head of the Department of Biochemistry, Institute of Medical sciences. Banaras Hindu University. Varanasi- Fifth Five Year Plan period.	26,500
Appointment of Visiting Faculty in the University.	50,000
Utilisation of services of outstanding retired teachers payment of grant in respect of Dr. Karmakar.	9,000
-do-	9,000
Banaras Hindu University Construction of 550 bedded ward in SS Hospital attached to Institute of Medical sciences Phase III comprising of X-ray Block etc.	20,00,000
Publication of Fare Text Books Faculty of Oriental Learning & Technology under Fifth Plan Development scheme.	25,000
University Grants Commission assistance for the research project entitled Insect endocrines and harmones in relation to development, reproduction and control of insect pests by Dr. KP Srivastava, Department of Zoology, Banaras Hindu University	14,800
Grant for books & Journals Development of Undergraduate education	25,000
Construction of Students Hostel	20,000
Gra Grant for meeting salary of additional staff approved under fifth plan Development scheme.	5,000
Annual Conference on of all India Association of Teachers of French.	3,000

Banaras Hindu University (Contd)

Grant in aid for Educational Tour
in respect of the students of IV year
chemical Engg. Institute of Technology
BHU. 6,856

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. 2,000

-do- 6,000

-do- 6,000

-do- 8,000

-do- 3,000

-do- 5,000

-do- 8,500

52,60,919.83

10. Berhampur University

National Associateship Scheme- Dr. CS Panda
payment of final instalment. 124.92

Senior Junior Research Fellowships in
Sciences/Humanities including Social
Sciences/ Research Fellowships in
Engineering & Technology- payment
of Contingency grant to Shri B.D. Swaro. 1,500

Grant in aid towards the construction of
2nd instalment of Science Block. 60,000

University Grants Commission Assistance
for the research project entitled theory and
applications of summability of Prof. Hand Mishore,
Department of Mathematics, Berhampur
University, Berhampur (Ganjam), Gujarat
Orissa- Fifth Five Year Plan period. 7,000

Berhampur University (Contd)

	Organisation of Annual Function of All Orissa History Congress at Berhampur University.	2,000
	Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Sc. payment of Code No. 7605-	6,000
	-do-	5,000
	Appointment of Visiting Faculty in the Universities.	50,000
	Grant in aid in support of Research in the Universities during the fifth plan period- release of 2nd instalment.	25,000
<u>Affiliated Colleges.</u>		

S.College, Chatrapur. Orissa.	Payment of salary to to staff.	2,416
K.College, Berhampur.	Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Science- payment of grant.	6,000
-do-	-do-	5,000
-do-	-do-	3,000
HSCollege, Ori-ssa.	-do-	10,000
K.College, Berhampur.	-do-	2,000
-do-	-do-	25,000
MKCO M. College, Orissa.	-do-	2,200
DAV College, Orissa.	Setting up of Book Bank in colleges	1,000

Kerhampur University (Affiliated Colleges)
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K.College, Orissa.	Students Aid fund in the colleges sanction of grant for the year 1976-77.	2,234
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2,15,474.92

11. Bhagalpur University

	Grant for support of Research in the Universities during Fif. th Plan period.	25,000
	Appointment of Visint Faculty in Universities.	50,000

Affilitated Colleges.

S.College, Bihar.	Grant for setting up Book Bank for the year 1976-77.	4,000
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SM Mahavidyalaya, Bhagalpur.	Financial Assistance to teache s in the Universities and colleges for undertaking minor research projects in Science- payment of grant.	4,540
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-do-	-do-	5,000
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-do-	-do-	9,000
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-do-	-do-	2,300
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-do-	-do-	4,000
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1,03,840

12. Bhopal University

	Construction of Lib. Building.	2,00,000
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	Establishment of Central Instrumentation Laboratory and workshop-Equipment grant.	1,00,000
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Bhopal University (Contd)

	Establishment of Central Instrumentation Laboratory and workshop- equipment.	1,00,000
	University Grants Commission Assistance for the research project entitled Economic Feasibility of Fisheries Development in Bhopal Sehore, Raisen, Hshangabad and Vidisha Districs. By Dr. DK Belsore, Head of the Department of Bio-sciences, Bhopal University and Prof. Shakoorkhan, head of the the Department of Commerce, Saifia College, Bhopal.	31,800
	Appointment of Vising Committee in the Universities.	50,000
	Utilisation of services of outstanding retired teachers payment of grant in respect of Dr. Verma.	9,000
	Utilisation of services of o/standing retired teachers.	2,000
	Organisation of seminars/symposia	4,500
	Establishment of Printing Press (Buildings)	30,000
	Allocation of unassigned grant during Five year Plan	7,500
<u>Affiliated Colleges</u>		

HAC College, Bhopal.	Scholarship for Post graduate studies in Rashida Sebhai.	3,000
S.College, Bhopal	Financial Assistance to teachers in the Universities and colleges for undertaking minor research projects in scince payment of grant.	3,000
-do-	-do-	7,300
Govt. College, Baroda.	-do-	3,000
-do-	-do-	6,000
-do-	-do-	6,000

Affiliated Colleges, Bhopal University.

----- (Contd)

MV College, Bhopal.	Financial Assistance to teachers	2,500
S.College, Bhopal.	-do-	3,500
GHAC College, Bhopal.	Utilisation of services of outstanding retired teachers payment of grant in respect of Dr. PD. Agnihotri.	9,000
M.A.College of Technology, Bhopal.	University Grants Commission assistance for the research project entitled Fracture of cylindrical and spherical shells containing cracks by Dr. G.K. Dhawan of M.A. College of Technology Bhopal.	6,300
BC College. Bhopal.	Financial Assistance to teachers for research learned work in Humanities and Social sciences- Payment of Second instalment of grant.	900
MA College of Technology. Bhopal.	University grants Commission Assistance for the research project entitled stress distribution in composite solid of Prof. KN Srivastava, Department of Mathematics MA college of Technology Bhopal Fifth Five year plan period release of the 3rd instalment of grant.	8,000
HAC College, Bhopal.	Scholarship for PG studies in Arabic/persian.	3,000
MLB Girls college, Bhopal.	Development of Pst Graduate in Humanities & Social Science Department of Psychology Purchase of Lab. equipment & Library.	2,000
Govt. Girls Degree College, TT Nagar, Bhopal.	Development grant under 5 lakh Sheme.	80,000
Govt. P.G. College, Sekore.	-do-	15,000
-do-	-do-	15,000
LBS College, Gan; Baroda.	-do-	3,000

Bhopal University (Affiliated Colleges) (Contd)

Govt. P.G. College, Sehore.	Basic grant for the develop of P.G. Studies in Science subjects purchase of i) Library books and Journals ii) Laboratory equipment Sanction of grant for the.	15,000
Govt. College, Senhore.	Grant to affiliated colleges for Loss of Books to students- Book Bank- sanction of grant for the.	3,250
		7,29,550

13. Bihar University

Students aid fund in the colleges sanction of grant for the year 1976-77 regarding.	2,024	
Students aid fund in the colleges Sanction of grant for the 76-77.	485	
-do-	1,750	
Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Science.	5,000	
-do-	1,500	
Setting up of Book Bank	3,250	
		14,009

14. B.N. Chakravarty University.

Research fellowships in sces. payment of contingency grant.	2,000
-do-	265.31

B.N. Chakravarty University
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Establishment of Students Aid fund in the Universities.	724.00
Scholarship for PG studies	3,000
Salaries of staff appointed in science Depatts and Humanities and social sciences Departments during Fifth Plan period.	5,00,000
Salaries of teaching staff sanctioned for Regional centre for P.G. studies.	30,184.71
Organisation of Summer Institute in Economics for college teachers.	15,000
Unassigned grant for the Year 1976-77	9,000
Appointment of Visiting Faculty in the Universities	50,500
Organisation of Summer Institute in Texonomy & Systematics for College Teachers.	20,000
Financial assistance to teachers in the Universities and college sof undertaking minor research projects in Scinece- payment of Grant.	5,500
-do-	5,500
-do-	3,500
Organisation of summer s ymposia	8,000
Grants for support of Research in the universities during Fifth Plan period- release of 2nd instalment.	50,000
Financial assistance to teachers in the universities and college for uundertakiug miur research projects in Sciences- Payment of grant	3,000
-do-	3,000
-do-	3,660

Affiliated Colleges (B.N. C. University) (Contd)

GNK College, Yamuna Nagar.	Financial assistance to teachers in the Universities and colleges for undertaking minor research projects in Science. payment of grant.	3,000
M.College, Haryana.	-do-	3,000
DS for Girls Ambala.	Construction of teaching accommodation six class rooms.	14,314
Janta V.Mandir Ganpat rai Charkhi Dadri.	Purchase of Books and journals IIad	10,000
Govt. College, Hissar.	Participation of student youth in soil health care working programme sanction of grant.	10,000
-do-	Participation of student youth in soil Health care working programme-sanaction of grant.	10,000
DS College, Karnal.	Participation of student youth in soil Health care workers programme- sanction of grant.	10,000
SD College, Ambala Cant. Haryana.	-do-	10,000
University College, Murukshetra.	-do-	10,000
DS College, Karnal.	Improvement of undergraduate educational facilities during the fifth plan period. Construction of class rooms.	10,000
SKSD College, Karnal.	Setting up of book Bank	2,815
Govt. College, Hissar	-do-	2,813
H.Girls College, Jagadhri.	-do-	1,875

B.N. Chkravarti University

 Affiliated Colleges (Contd)

DS College for Girls Ambala City.	Book bank	Final.	2,815
University College, Kurukshetra.	-do-		3,570
JVK CRR College, Haryana.	-do-		1,406
Govt. College, Haryana.	-do-		2,611
Arya College, Panipat.	-do-	final	2,615
Govt. College, Hissar.	-do-		4,200
Indira Gandhi National College, Iadwa Distt. Kurukshetra.	-do-		4,500
University College, Kurukshetra.	-do-		5,600
DAV College, Hissar.	-do-		5,000
D.S.College, Hissar.	-do-		5,600
CD College Ambala Cant.	-do-		5,000
GNN College, Ambala Cantt.	-do-		4,200
Arya College, Panipat.	-do-		4,200
Pt. J.L.N. Arts College, Faridabad.	-do-		1,750

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<u>Affiliated Colleges (BNC University (Contd)</u>		
D.A.V.College for Girls Yamuna Nagar. Haryana.	Students Aid fund in the colleges	750
Indira Gandhi College, Haryana.	-do-	1,000
Vaish College, Bhiwani.	-do-	2,750
		<hr/>
		8,18,218.02

15. University of Bombay.

Centre of Advanced Study in Mathematics-University of Bombay Release of recurring grants for the year- 1977.	1,11,000
Organisation of Seminar/Symposia during 1977-78	2,500
Financial assistance to teachers in the universities and colleges for undertaking minor research projects in science.	6,000
Utilisation of services of outstanding retired teachers - Payment of Grant in respect of Kulkarni.	9,000
Utilisation of services of outstanding retired teachers - Payment of grant in respect of Prof. Kulkarni.	9,000
Appointment of Visiting faculty in the Universities.	50,000
College Science Improvement Pro- gramme - University Leadership Project. in mathematics- University of Bombay.	1,50,000
Centre of Advanced Study in Economics-Award of National Scholarships of Rs.250/- p.m. each for postgraduate studies in Economics during 1976-77	3,000

University of Bombay : (Contd)

Centre of Advanced Study in Economics- Award of National Scholarships of Rs.250/- p.m. each for postgraduate studies in Economics during 1976-77.	3,000
Regimx Re-imbursment of salary of Mrs. Ewa Quack, German Language Teacher under Indo-ERG Cultural Exchange Programme for the period 1975-76.	8,624.28
Award of Postgraduate Scholarships of the Value of Rs.400/- p.m. to the students admitted during 76-77 against approved intake in the Faculty of Engineering and Technology including pharmacy.	1,50,000
UGC (Non recurring) grant for additional facilities for P.G. courses at the University Deptt. of Chemical Technology as per AICTE recommendation- equipment.	80.65
Senior Junior Research Fellowship in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering & Technology- Payment of fellowship and contingency grant.	5,138.00
-do-	5,422
Bombay University Research Fellowships in Science.	2,400
Grant for support of Research in the Universities during the Fifth Plan period- release of end instalment.	25,000
Salary of Additonal Staff for the various Departments of Humanities and Social Sciences During the Fifth Plan.	3,80,000
-do-	3,35,000
Grants for Support of research in the Universities during the fifth Plan period - release of 2nd instalment.	50,000

Bombay University (Contd)

Grant for support of Research in
the University during Fifth Plan
period - release of 2nd instalment. 50,000

Affiliated Colleges

S.College for Women, Bombay.	Purchase of Canteen equipment and furniture.	22,000
-do-	Basic grant for the development of Post-graduate studies in Humanities and Social Sciences - Purchase of library books and journals scientific equipment for Post-graduate departments during the 5th Five Year Plan.	20,000
RR College, Bombay.	Research fellowships in Science . Payment of Fellowships.	2,400
K.J. S.College, Bombay	Utilisation of Services of Outstanding retired teachers payment of respect of Prof. DD Desai.	9,000
HJC of Education Bombay.	-do-	9,000
Institute of Science, Bombay.	-do-	561.
MC of A & Sc. Bombay.	-do-	9,000
St. Xaviers College, Bombay.	-do-	9,000
IY College, Bombay.	-do -	9,000
St. X.College, Bombay.	-do-	1,888

Bombay University (Contd)

Affiliated Colleges

Vissanji College of Science, Bombay.	Utilisation of services of retired teachers.	5,000
Sardar Patel College of Engineering Bombay.	Writing of Univ. Level Books	12,218
KC College, Bombay.	Improvement of Undergraduate studies.	50,000
-do-	-do-	15,000
College of Home Science, Bombay.	-do-	7,000
RMC College, Bombay.	-do-	15,000
-do-	-do-	25,000
-do-	-do-	30,000
-do-	-do-	30,000
DBA College, Bombay.	-do- Students Aid fund.	750
K. College, Bombay.	-do-	3,000
ND National College, Bombay.	-do-	2,000
LLB C of Commerce and Economics Bombay.	-do-	8,000
College of Engg. Bombay.	-do-	4,500
CHS College, Bombay.	-do-	8,000

p.t.o.

Bombay University (Affiliated Colleges) Contd.

BTT College, Bombay.	Grants to colleges lib. for Book Bank	4,500
Goa College Bombay.	Financial Assistance to teachers in the Universities and colleges for Undertaking minor research projects.	2,500
W.College, Bombay.	-do-	5,000
Seth M.College, Bombay.	-do-	5,000
H.R.College, Bombay.	-do-	6,400
I of Sc. Bombay.	-do-	3,500
Memorial Hosp. Bombay.	-do-	4,500
-do-	-do-	2,500
		16,94,381.9

16. Bundelkhan University

Bipin Bihari College, Jhansi.	College of Science Improvement programme.	80,00
Pt. J.L.N.College, Banda . Banda.	-do-	2,500
DV College, Jhansi.	-do-	4,500
PJLN College, Banda.	-do-	1,500
		88,500

17 (Burdwan University)

University Grants Commission Assistance for the research project entitled Studies on the Physiology	28,000
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of Gemecence in Plants and its
Practical Implication of Prof. S.K.
Chatterjee, Department of Botany,
University of Burdwan, .

Organisation of Seminar Symposia during the 77-78	1,000
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-do-	1,500
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-do-	2,000
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University Grants Commission Assistance for the research project entitled Cordination complexes of Organomercury (ii) and organotin (ii) By Prof. R.L. Dutta Department of Chemistry Burdwan University - Approval and release of grants.	8,800
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Grant in aid towards the purchase of 20,000 Scientific equipment Vth Plan Schemes.	
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Appointment of Visitng Faculty in the Universities.	50,000
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Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in science.	2,400
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-do-	3,000
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-do-	3,560
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-do-	2,600
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-do-	2,600
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-do-	3,000
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-do-	6,000
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-do-	4,000
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Affiliated Colleges.

C.College, Hoghly, West Bengal.	Utilisation of services of o/s retired teachers.	9,000
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p.t.o.

Affiliated Colleges (Burdwan University)

Deshbandhu Maha- vidyalaya, Burdwan.	Grant for setting up Book Bank	8,000
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1,55,460

18. University of Calicut.

Construction of Students Hostel (30 women payment of grant for the .		3,90,000
Seminar on Tax Education Series I		7,000
Organisation of Wroskshop-cum-Seminar on Experimental Psychology.		8,000
UGC assistance for the Post of Development Officer.		10,679.50
Seminar on Historiography.		4,000

Affiliated Colleges.

F.College, Calicut.	Scholarship for Post-Graduate studies in Arabic.	3,000
U.College, Calicut.	Grant in aid for the appointment of Visiting Professors/Visiting appointments during Vth Plan period.	30,000
-do-	Construction of Library Building release of final Instalment.	15,000
-do-	Grant in aid for the purchase of equipment for education department	6,000
-do-	Utilisation of services of retired outstanding retired teachers.	4,862
-do -	-do-	9,000
-do-	-do-	9,000

Affiliated Colleges
Calicut University (Contd)

S.K.Verma College, Trichur.	Utilisation of services of Outstanding retired teachers. payment of grant in respect of Prof. P.G. Purushothaman Pillai.	9,000
Govt. College, Kerala.	Utilisation of services of outstanding retired teachers- Payment of grant in respect of Sri NSY Shnoy.	9,000
MSSK College, Mannarghat Kerala.	Financial assistance to teachers.	35,000
Farook College, Farrook. Calicut.	Grant for purchase of books and journals and equipment- Workshop building- Improvement of Undergraduate educational facilities.	35,000
V.college, Trichur, Kerala.	Improvement of Undergraduate Educational facilities-Staff salary.	6,000
P.S.M.O. College, Tiruranagadi Kerala.	-do-	30,000
Govt. Erg. College, Trichur, Kerala.	Financial Assis tance to teachers training College- Vth Plan period.	25,000
st. M. College, Sultan's Battery, S. Maynad, Kerala.	-do-	2,000
Govt. Victoria Co College, Palghat, Kerala.	-do-	5,750
Govt. Brennen College, Tellicherry- Kerala.	Students Adisfund in the colleges - Grant for 1976-77	58.50
		p.t.o.

Affiliated Colleges,
University of Calicut (Contd)

Government College, Kasaragod- Kerala.	Grants towards the loan of Books to students. setting up of Book Bank.	5,000
Government College, Kerala.	-do-	8,000
K.K.T. M. College, P.O. Mullut Kerala.	Grants towards the loan of Books to students setting up of book Bank.	4,000

6,70,350

49 University of Cochin

Financial Assistance to teachers in the Universities and colleges for undertaking minor research projects in science- payment of grant code No. 7773.	4,300
Senior/Junior Research Fellowship in Humanities including Social Sciences Research Fellowships in Engineering and Technology- payment of fellowship and contingency grant.	5,422
Introduction of an under-graduate course in Naval Architecture/ Ship Technology at Cochin University during Vth Five Year Plan.	9,25,000
Construction of Central Library Building	1,00,000
-do-	75,000
-do-	75,000
-do-	1,500

p.t.o.

COCHIN UNIVERSITY (CONTD)

Construction of Marine Science Building Vth Plan period.	75,000
* Construction of Students' Hostel Vth Plan period.	75,000
National Associateship scheme Dr. V. Unnikrishn	15,000
Award of Junior Scholarship for LLM courses.	3,000
Appointment of Visiting Faculty in the Universities.	50,000
Degree course in Naval Architecture & ship building at the Cochin University- Payment of grant for.	50,000
Degree course in Naval Architecture and Ship Building at the Cochin University- Payment of recurring grant for.	1,00,000
Publication of Ph.D.Thesis - financial assistance.	8,000
Construction of Central Instrumentation and services- Laboratory -Vth Plan period.	40,000

16,02,222

20. Calcutta University

Financial Assistance to teachers in the universities and colleges for assistance minor research projects in sc. payment of grant.	2,500
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University of Calcutta (Contd)

Financial assistance to teachers in the universities and colleges for undertaking minor research project in science - payment of grant.	8,500
-do-	4,000
-do-	5,500
-do-	1,000
-do-	4,000
-do-	4,000
Grant in aid towards the purchase of equipment for the department of english -Vth Plan.	10,000
University Grants Commission Assistance for the research project entitled characterisation of the Phytotoxic effects of certain anti-fungal and antibacterial antibiotics by Dr. S. Mukherji and Dr. P.K. Sirkar, Department of Botany, Calcutta University.	9,600
Organisation of seminar/symposia during the 1976-77.	8,000
Utilisation of services of outstanding retired teachers - payment of grant in respect of Dr. BS Ghosh.	9,000
-do- Prof. Anukul Chandra	9,000
Award of Postgraduate Scholarships of the Value of Rs. 400 p.m. to the Students admitted during 76-77 against approved intake in the faculty of Engineering and Tech. including pharmacy.	19,000

Calcutta University (Contd)

University Grants Commission assistance for the research project entitled Chemistry of the Biologically active principles of the Medicinal plants of north-east India of Dr. S.K. Talapatra, Department of chemistry, University college of Sc. Calcutta University, Calcutta- Vth Five year plan period.	Ist	23,000
Summer institute in Commerce for College teachers during 1977.		22,000
University Grants Commission assistance for the research project entitled Isolation of leaf protoplast Hybrid by Dr. S C Ray Dept of Botany, CU sanction of grant.		22,800
Grant in aid towards the purchase of library books for post graduate centre at Agratala Vth plan development scheme.	Ist	35,900
University grants Commission assistance for the research project entitled effects of Herbicides on Germination Growth and estab. of selected weed species by Dr. SS Datta, Department of Botany, Calcutta university.		4,800
Appointment of Visiting Faculty in the Universities.		50,000
Scholarship for Post graduate studies in Sanskrit Rajyasri Bhattacharya.		3,000
Programme of Special assistance to selected Departments- Department of Botany- release of on account grant regarding.		2,00,000
Organisation of a summer seminar on Amir Khusraw at Calcutta University, Calcutta.		5,000
Junior research fellowships in science payment of fellowships and contingency grant.		5,319.35

Calcutta University (Contd)

Research Fellowships in Engineering & technology - Payment of contingency grant.	Ist	1,000
-do-		1,500
-do-		1,000
-do-		1,000
-do-		2,000
-do-		1,000
-do-		2,000
-do-		2,000
-do-		1,000
Financial assistance to teachers for research/learned work in Humanities and social sciences - Payment of second instalment of grant		500
-do-		500
Purchase of Laboratory equipment during V five year plan.		30,000
College Humanities and Social Sciences Development programme payment of grant.		51,484
Utilisation of services of outstanding retired teachers payment of grant in respect of Prof. K Dutta.		9,000
Purchase of Books and Journals V five year plan.		20,000
Writing of Universities level book monographs.		1,000
Grant for construction of class rooms and lecture Theatre during V Five year Plan.		90,000

Calcutta University
Affiliated Colleges.

Govt. College W.Bengal.	Centre of Advanced Study Department of Special Assistance. Revision of pay scales of research associates.	1,809
-do-	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including social Sciences - Payment of first instalment of grant.	2,000
National Medical College, Calcutta.	-do-	4,500
RG Kar Medical College and Hospital Calcutta.	-do-	1,000
RS College, 24 Pargana. Bengal	-do-	4,000
MBM college, Agartala.	-do-	4,000
Raja Pary Mohan College Uttarpara West Bengal.	-do-	2,800
V.College, Calcutta.	-do-	2,660
J.College, Jangipur, West Bengal.	-do-	2,900
P.College, Calcutta.	-do-	7,000
L.P. College, Calcutta.	-do-	9,000

Affiliated Colleges (Contd)

Calcutta University

RR Chandra College, Malhati.	Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Science. payment of grant.	4,500
City College, Calcutta.	-do-	2,000
-do-	-do-	3,000
M.College, Agartala.	-do-	3,500
S.C.Collge, Calcutta.	-do-	2,500
Womens College, Agartala.	-do-	3,500
U.College, West Bengal.	Students aid fund in the colleges sanction of grant for the year 1976-77	2,080
Seva Bharti Mahavidyalaya P.O. Kapgari, Distt. Midnapore, West Bengal.	Establishment of Students aid fund for the year.	319.50
Dukhulal Niharan Chandra College, West Bengal.	Students aid fund in the college sanction of grant for the year 77-78	2,250
Bangabasi Monrning College, Calcutta.	-do-	5,000
Jogesh Chandra Chaudhuri College, Calcutta.	-do-	777

Affiliated Colleges (Calcutta University)

Jogesh Chandra Chaudhuri College, Calcutta.	Students aid fund in the colleges sanction of grant for the year 76-77.	777
Maharaja Srisahandra College, Calcutta.	Establishment of students aid fund	665
Vivekanada College, Thankurpukur, Calcutta.	Grant in aid for the establish- ment of students aid fund.	2,746
G.College, Calcutta.	-do-	2,778
Gopal Chandra Memorial College, of Education New Barrackpur.	-do-	1,000
Union Cgristian Training College, Barrakpore, Murahindabad. Best Bengal.	-do-	1,000
Bir Bikram Evening College, Agartala.	-do-	1,200
Govt. College, of Education Agartala .	-do-	4,000
Prafulla chandra college, calcutta.	-do-	4,750
Pingla thana Mahavidyalaya, West Bengal.	Grant for setting up book bank	5,500

Calcutt University (Contd)

Affiliated Colleges.

Dum Dum Moti jheel Evening College of Commerce Dum Dum Road, Culcutta.	Setting up of book bank	3,250
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7,79,664.85

21: Delhi Universrty

Organisation of summer Institute in Quantitative Methods in Economics for college teachers. 1977-	20,000
Senior /Junior Research Associates ship in Science /Humanities including Social sciences - Payment of contingeeny grant.	2,000
-do-	4,919
-do-	4,919
-do-	5,000
-od.	3,000
Appointment of Mrs. Gordana Dickic teacher in Setbo Croation language & literatire under Indo. Yugoslav Cultural ex change programme.	13,387.78
University Grants Commission Assis- tance for the research project entitled studis on the Inosphere of Prof. CSGK Setty, Department of Physics and Astrophysics, University of Delhi Delhi- Fifth Five year plan period.	1,00,000
Construction of two kiosks in Delhi Campus.	15,000

Delhi University Contd.

TA claim of Shri PK Bhattnagar under Teacher Fellowship scheme Department of Physics & Astro-Physics.	45.40
Univerity Grants Commission Associates for the research project entitled the Mammalian salary cland as a Model for the study of regulation of cell Division & Differentiation.	25,000
Award of Teacher Fellowship to Shri J.Singh Lecturer in Chemistry of MB Degree college, Dadri.	1,000
TA Will for Rs. 62/65 in respect of Shri Purshottam Saran, from Bareilly to Delhi.	65.65
Utilisation of services of outstanding retired teachers payment of grant in respect of Dr. BM Johri.	4,000
Organisation of seminar symposia work. shop during 1976-77	5,000
Payment of TA bill for claimed by Shri CS Chauhan Deptt of Chemistry Research Scholar.	68.60
Release of grant towards publication on recommendation of V Plan visiting Committe.	20,000
Support for advanced research in the Humanities and social Sciences.	4,000
Support for advanced research in the Humanities and social sciences.	986
Consteauction of Social Sciences	1,00,000
Improvement of Lighting and Road for International Students Hostel Delhi University.	25,000

Delhi University (Contd)

University Grants Commission Assistance for the research project entitled apparently covalent compounds of Highly Electropositive Elements and their applications in Biological systems and their applications in Biological system of Prof. RC Mehrotra, Vice-chancellor, University of Delhi, Delhi, Fifth five year plan period Release of 5th instalment of grant.	26,800
Delhi university- University college of Medical Science payment of plan grant for 1977-78	Ist 7,50,000
Delhi University- University College of Medical Sciences- apayment of Plan grant during 1976-77	Ist 1,50,000
Construction of staff quarters for essential non-academic staff in Roids lines during the fifth five year plan.	Ist 1,00,000
Appointment of visiting faculty in the universities.	50,000
Indo-Bulgarian cultural exchange programme salary of Bulgarian language teacher Mise Penka Spasova	5,643
Construction of Building for Central Science Facilities.	1,50,000
-do-	25,000
Release of grant towards Zonal Lib.	3,00,000
Release of grant towards Manuscripts section in Sanskrit.	10,000
Instalation of 3 tubewells in Delhi University-	50,000
Construction of Ratan Tata Lib. building in Delhi School of Economics.	1,00,000

Delhi University (Contd)

Release of grant towards appointment
of non-teaching staff. Ist 5,00,000

Financial assistance to teachers
for research learned work in
Humanities and Social sciences-
payment of second instalment. 2,500

Affiliated Colleges.

Vivekananda Construction of college buildings. 2,00,000
Mahila College,
Gandhi Nagar,
Delhi.

GPM College Financial assistance to teachers 1,500
for women
Tagore Garden
New Delhi.

Swami Sardha Starting of new course 995
anand College,
Alipur
Delhi.

Indraprashta Special repair of college bldg. 10,000
College for women
Delhi.

Ashyama Prasad Purchase of Lib. books 1,000
Mukherjee college,
for women
Tagore Garden
New Delhi.

Gargi College, Transfer of Botany and ~~100~~ Zoology 9,500
Lajpat Nagar, in the college .
New Delhi.

-do- -do- 30,500

Moti Lal Nehru Purchase of Type writers 2,500
College,
Evening Classes
Moti Margh,
New Delhi.

Lady Harding Organisation of Seminar/Symposia 2,500
Medical College,
and Hospital
New Delhi.

Delhi University (Contd.)

Lady Irwin College, New Delhi.	Visit of Dr. (Mrs) Asha Sarabhai, Lecturer in Biology, to UK under the Programme of Exchange of visits by Younger Scientists between India and UK during 1976.	1,200
G.D.S.C. New Delhi.	Organisation of Seminar on comparative literature from 1st April 77 to 3rd April, 1977.	3,000
Gargi College, New Delhi.	Construction of Colleges Building.	3,00,000
Hindu College, Delhi.	Utilisation of services of retired teacher.	9,000
John Mary College, New Delhi.	Financial assistance to Teachers for research learned work in Humanities and social Sciences- Payment of 2nd instalments.	1,000
PGDAV College, New Delhi.	-do-	1,500
Lady Shri Ram College, New Delhi.	-do-	2,200
Zakir Husain College Ajmeri gate.	-do-	4,375
-do-	Scholarship for P.O. studies in Arabic.	3,000
-do-	-do-	3,000
L.B. College, Delhi.	Construction of Science Block	10,000
IP College, Delhi.	Banaira to road	2,000

Affiliated Colleges, DU. : 51 :

Shivaji College, New Delhi.	Construction of College building.	3,00,000
Rajdhani College, Ring Road, Raja Gardan, New Delhi.	Organisation of Seminar on problems of English.	700
Central Institute of Education, Delhi.	Award of Teachers fellowship to Miss Rhitono Phiozo Lecturer in Education at Kohima college, Kohima.	3,000
Rajdhani College, New Delhi.	Financial Assistance to teachers in the colleges for research/ learned and work in Humanities and social science- Payment of second instalment of grant.	4,000
Moti Lal Nehru College, Delhi.	Colleges affiliated to Delhi University.	2,750
Miranda House, Delhi	-do-	4,700
-do-	-do-	2,350
Laxmi Bai College, Delhi.	-do-	1,505
S.R.College, of Commerce Delhi.	-do-	2,687
Daulat Ram College, Delhi.	-do-	4,863
Laxmi Bai College, Ashok Wihar, Delhi.	-do-	4,863
-do-	-do-	5,000

Delhi University (Affiliated colleges)(contd)

Mata Sundry College, for Women, Mata Sundri Lane, New Delhi.	Grant for the purchase of librar books for MA introduced with effect from 76-77.	2,500
Zakir Hussain College, Delhi.	Financial assistance to teachers	
Guru Teg Bahadur College, Delhi.	-do-	4,500
Hans Raj College, Delhi.	-do-	6,300
-do-	-do-	4,500
-do-	-do-	4,000
Sri Venkata College, New Delhi.	-do-	4,000
NA College, Delhi.	-do-	3,000
H.College, Delhi.	-do-	9,000
Shri Venkateswara College, New Delhi.	-do-	6,000
Hindu College, Delhi.	-do-	10,000
Shivaji College, Delhi.	-do-	2,000

34,63,872

22. Dibrugarh University

Grants for support for research in the Universities during fifth plan period- release of end instalments.	25,000
Appointment of Visiting Faculty in the Universities.	50,000
Financial Assiatnce to teachers and colleges for undertaking minor research projects	2,000
-do-	2,000
-do-	2,500
Junior Research fellowships in sciences Payment of Fellowship and contingency grant	5,074
Establishment of student aid fund	7,718
Establishment of Computer Centre INDC -312/53,	000
Grant in aid towards the salary of staff appointed in Science/Humanities and Social sciences Departments during the fifth plan period.	3,00,000
Grants in aid towards the salary of additional staff appointed in Humanities.	2,50,000
Financial assistance to teachers in the universities and colleges for undertaking minor research projects	2,500
Construction of Women's hostel	30,000
Utilisation of services of outstanding retired teachers.	9,000
Students aid fund in the colleges	1,000
Grant for setting up book bank	4,000

7,43,792

23. Gauhati University

Grant in aid towards the salary of additional staff appointed in sc. Departments during the fifth plan period.	2,25,000
	p.t.o.

Gauhati University (Contd)

	Grant in aid towards the salary of additional staff appointed in humanities and social sciences departments during the Fifth plan period.	3,00,000
	Summer institute in Commerce for college teachers during 1977.	30,863
	Utilisation of services of outstanding retired teachers.	9,000
	Organisation of summer Institute in Zoology for college Teachers during 1977.	20,000
	Appointment of visiting Faculty in the universities.	50,000
	Purchase of Books and Journals and Lab equipment	65,000
	Financial assistance to teachers	2,500
	-do-	2,000
	-do-	1,000
	Purchase of books and journals	15,000
	Construction of Womens Hostel Ist	50,000
	<u>Affiliated Colleges,</u> -do-	50,000
B.College, Gauhati.	Utilisation of services of o/s retired teachers.	9,000
NG College, Assam.	Construction of Girls Hostel	40,000
AV College, Gauhati.	Financial Assistance to teachers for research work in Humanities.	1,125
Gauhati Commerce College, gauhati.	Establishment of Book Banks	11,25
		8,81,73

24: Garhwal University (Srinagar)

Seminar <u>A</u> perspective of the Cultural Heritage of Garhwal.	8,000
Utilisation of services of O/S retired teachers.	9,000
Financial Assistance to teachers.	5,000

Affiliated Colleges

Govt. Degree College, Chamoli.	Financial assistance to teacherw. 5,000
DBS college, Garhwal.	-do- 2,500
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	29,500
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25. G.B. Pant University of Agriculture and Technology.

Writing of university level books	3,503.23
Financial <u>A</u> ssistance to teachers in the universities and colleges for undertaking minor research proj.	3,500
-do-	6,000
-do-	6,500
-do-	3,000
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	20,503.23
	<hr/>

26. Gorakhpur University

Junior Research Fellowships in science Humanities including Social Sciences /Research Fell wships in Engineering & Technology - Payment of contingency.	1,500
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Gorakhpur University (Contd)

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Junior Research Fellowships in Sc. 1,500

College Sc. Improvement programme-
University Leadership Project in
Biological Sciences. 1,00,000

Award of Teacher Fellowship to
Shrivastava, Lecturer in Maths 1,000

Appointment of Visitng Faculty in
the Universities. 50,000

Utilisation of services of o/s
retired teachers. 9,000

-do- 9,000

University Grants Commission
assistance for the research work. 14,600

Grant for purchase of equipment. 1,200

-do- 6,000

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. 2,000

Grant for purchase of books &
Journals -Development of undergraduate
education during Fifth Plan period. 15,000

-do- 30,000

Affiliated Colleges

MMM Degree College, Grant for purchase of equipment 20,000
Bhatpar Rani,
Deoria.

Budha Postgra- -do- 6,000
duate College,
Kushingar,
Deoria.

p.t.o.

Gorakhpur University (Contd)

Affiliated Colleges.

Budha Post-graduate College, Kushingar, Deoria.	Grant for purchase of books & Journals - Development of Undergraduate education during the fifth plan period.	6,000
-do-	Grant	7,500
Janta Degree College, Ranipur. Aramgarh.	-do-	3,000
St. Andrews College, Gorakhpur.	-do-	4,500
Degree college, Ghazipur.	-do-	5,000
KD Post Graduate College, Mirzapur.	-do-	4,500
-do-	-do-	7,500
Sarvodai Degree College, Gorakhpur.	-do-	6,500
Sakaldiha Degree College, Varanasi.	-do-	25,000
Shri Gandhi Degree College, Maltari Azamgarh.	-do-	15,000
Shri Gandhi Degree College, Azamgarh.	-do-	7,000
Degree College, Ghazipur.	-do-	7,500

Gorakhpur university (Contd)

Affiliated colleges.(Contd)

Degree College, Gazipur.	Grant for Equipment -Development of undergraduate education during fifth plan period.	5,100
BRD Medical College, Gorakhpur.	Students aid fund	397
Raja Har- pal Singh Mahavidyalaya singraman Jaunpur	-do-	1,750
Swami Devanand Degree College, Mathlar, Deoria.	-do-	1,700
SGR Degree College, Jaunpur.	-do-	2,250
DAV College, Azamgarh.	-do-	3,260
National Degree College, Gorakhpur.	-do-	2,220
Mahavidyalaya, Dubey Chhapra, Ballia.	-do-	790
Budha Vidyapith Degree College, Basti.	-do-	1,750
Lal Bahadur S Shastri Degree College, Varanasi.	-do-	1,790
Bapu Degree College, Gorakhpur.	-do-	4,000

Gorakhpur University (Affiliated Colleges)

Udaipartap Singh College, Varanasi.	Grant for Book Bank	6,525
Bapu Degree College, Gorakhpur.	--do--	1,525
Shibi National College, Azamgarh.	--do--	4,688

4,03,545

27. Guru Nanak Dev University

University Grants Commission Assistance for the research Project entitled studies of the interaction of metal ions with Model Biological Molecules of Prof. SS Sandhu, Head of the Department of Chemistry, Guru, Nanakdev University, Amritsar- Fifth Five year Plan period - release of 5th plan instalment.	2,500
The Fifth Plan period - Higher Education and Research-Development Schemes of the Universities for construction of Arts Block Building.	30,000
Establishment of Study Centre at Amritsar.	15,000
Salaries of Staff appointed in Science and Humanities and Social Sciences Departments during Fifth Plan period.	7,00,000
Organisation of Summer Institute in Modern Methods of Criticism of old and new Hindi Literature,	15,000
--do- seminar/Symposia	10,000

Guru Nanak Dev University

Appointment of Visiting Faculty	Ist	50,000
Organisation of Seminar on Problem of White Collar Crime in India during 1977.		5,000
Organisation of short-term Institute in mathematics for college teaching during 1977.		8,000
Urban History Seminar.		5,000
Grants for support of Research in the Universities during Fifth plan period- release of end instalment		25,000
Basic grant for the development of post graduate studies.		8,000
Payment of salary of staff Lecturer in English, appointed as a substitute in place of Shri A.N. Bhadwal.		3,388.80
Teacher Fellowship programme in the Centre of Advanced Study in Mathematics Panjab University- Payment of substitute teachers salary Release of an account grant- regarding.		7,197

Affiliated Colleges

DAV College, Jullundur.	Improvement of undergraduate educational facilities during the vth plan	10,000
-do-	-do-	40,275
-do-	-do-	25,000
-do-	-do-	15,000
K.College, Amritsar.	Fianncial assistance to teachers	1,250
GNDCollege Nadala	Grant towards the loan of books to students - setting up of Book	2,800

G.N.D. University (Contd) ; 61 ;
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SLV DAV College, Batala.	Grant towards the loan of Books	2,800
BUC College, Batala.	-do-	4,200
G.N.DV.College, Madala.	-do-	1,875
SL DAV College, Batala.	-do-	1,875
BUC College, Batala	-do-	2,013
Hans Raj Mahila Mahavidyalaya, Jullundur.	-do-	1,000
		9,92,173.80

27. Gujarat University

Salary of Additional Staff for the various Departments of Sciences during the Fifth Plan.	2,15,000
Organisation of Seminar for accountancy teachers	13,000
Basic grant for the purchase of library books & journals during the fifth plan.	3,00,000
Research Fellowships in Humanities including Social Sciences.	2,000
Research Fellowships in Sciences payment of fellowships.	306
Organisation of Summer Institute in Gujarati for college teachers	4,000
Appointment of Visiting Faculty in the Universities.	50,000
College Science Improvement programme University leadership project	1,50,000

p.t.o.

Gujarat University (Contd)

Financial Assistance to teachers		8,000
Grant for support of research in the Humanities during Vth Plan.		50,000
Organisation of seminar/symposia		3,000
Financial assistance to teachers		6,833
-do-		2,300
-do-		1,500
-do-		1,500
-do-		5,500
-do-		2,500
-do-		2,500
<u>Affiliated Colleges.</u>		
TC of Arts & Sc. Kutch Gujarat.	-do- to affiliated colleges.	75,000
-do-	Student Aid fund in the universities and colleges.	1,000
TC of Arts and Sc. College	-do-	1,000
H.L. College, of Commerce, Ahmedabad.	-do-	3,250
-do-	-do-	3,250
SSAV Commerce College, Gujarat.	-do-	888
N. Commerce College. Ahmedabad.	-do-	2,750
NVM Mahavidyalaya, Ashram Road, Ahmedabad.	-do-	3,000
CU Science College, Ahmedabad.	Books --- Grant	1,500
M.J.A. Commerce College, Gujarat.	Book Bank	3,250
		9,12,827
		p.t.o.

2800	<u>Haryana Agricultural University:</u>		
	Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engg. & Tech.		5,422.10
	-do-		5,022.58
	Organisation of Seminar/Symposium during 1977-78		7,000
	Establishment of students aid fund in universities-1976-77		3,000
			<hr/>
			20,445.16

2900	<u>Himachal Pradesh University:</u>		
	Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engg. & Tech.		1,500
	-do-		5,125.80
	Utilisation of services of outstanding retired teachers		9,000
	Short-term Institute in Theoretical Problems in Political Science for college teachers	Ist	18,000
	National Association scheme		900
	Appointment of Visiting Faculty	Ist	50,000
	Construction of Science Block (Physics & Chemistry)	10th	30,000
	Salary of staff approved during the Fifth Plan period		1,00,000
	Grants for support of Research in the Universities during Fifth Plan period	2nd	25,000
	Establishment of Study Centre		9,640
	National Fellowship Award to Prof. A.C. Jain, Deptt. of Chemistry		15,000
	Improvement of undergraduate educational facilities during Fifth plan period	Ist	6,000

Bhargva College, Simla.

2,70,165.80

30. Hyderabad University

Release of grant for Providing electricity to six shads proposed to be constructed for teaching purposes and electric connection to pumps at five open wells and four tube wells.	2nd	1,00,000
Repair and renovation of Golden Threshold and Gopal Clinic buildings-	2nd	1,00,000
Construction of building to temporarily house the Sc. schools	4th	2,50,000
Appointment of Visiting Faculty in the Universities	Ist	50,000
Repairs to approach Road at Campus	Ist	1,00,000
Construction of two sheds for Science Schools	Ist	3,00,000
Hyderabad University-Release of grant towards Horticultural operations	Ist	1,15,000
Release of maintenance grant for the year 1976-77	3rd	15,00,000
Purchase of Machinery for Departmental supply of grante metal for the building works	Ist	1,75,000
Construction of staff quarters for Junior Engineers in Service area	Ist	40,000
Construction of Instrumentation Centre Building-Air Conditioning equipment	Ist	1,50,000
Construction of shed of 120'x30' in campus to house field staff and maintenance staff	2nd	35,000
Release of grant for minor works	Ist	46,500
Release of grant for providing pumps house and electric pump and switch gears to five open wells.	2nd	1,00,000
Institution of M. Phil. Fellowships		

Hyderabad University (Contd.)

Purchase of a Bus/Mini-Bus, staff car and a Motor Cycle	Ist	2,00,000
Purchase of Workshop and Wood Working Machine	4th	2,00,000
Purchase of furniture and Office equipment		2,00,000
Purchase of a Road Roller and Hot Mix Asphalt Plant.	2nd	35,000
Purchase of Books & Journals	6th	2,00,000
Purchase of a bulldozer and a tractor		2,00,000
Purchase of Scientific Equipment.	5th	25,00,000
		<hr/>
		<u>66,02,839</u>

31. Indirkala Sangit Vishwavidyalaya

Salary of Additional staff for the various departments of Humanities during the fifth plan.		1,42,000
Organisation of a workshop on Fundamentals of Arts.		4,000
Appointment of Visiting Faculty in the Universities	Ist	50,000
Release of grant for the purchase of Scientific Equipment during Fifth Five Year Plan Period.		1,00,000
Grant-in-aid for the purchase of library books & journals during the 5th Five Year Plan period		50,000
		<hr/>
		<u>3,46,000</u>

32. Indore University

Grant-in-aid for the purchase of library books & journals during the 5th five year plan period		2,00,000
Summer Institute in Business Administration for Commerce Faculty teachers		15,000

Indore University:

	Grants for support Research in the universities during Fifth Plan period-	2nd	25,000
	Assistance for the research project entitled "Chemistry of Co-ordination of alkali and alkaline earth cations (M) A bio-inorganic project to understand the bio-chemical role of M in natural systems' by Dr. N.S. Poonia, Deptt. of Chemistry, Vikram University.		76,800
	Salary of additional staff for the various Departments of Sc. during the Fifth Plan.		3,13,000
	Release of grant for purchase of furniture for university Teaching Department.		10,000
	Appointment of Visiting Faculty in the Universities.	Ist	50,000
<u>Affiliated Colleges:</u>			
Govt. Degree College, Mhow	Improvement of Undergraduate facilities during Vth plan period	Ist	50,000
Govt. Degree College, Mhow.	-do-	Ist	40,000
-do-	Financial assistance to teachers in the universities and colleges for undertaking minor research project in Science.		2,500
Holkar Sc. College, Indore	-do-		3,500
Govt. Girls P.G.College Indore	Devp. of Postgraduate studies in Humanities and Social Sciences & Science subjects during V Plan	Ist	85,000
Govt. New Girls Degree College, Indore	-do-	Ist	20,000
Arts & Comm. College Indore	Grant to affiliated colleges for loan of books to students	2nd	3,000

Indore University (Contd.)Affiliated colleges:

Govt. Girls P.G. College Indore	Grant to affiliated colleges loan of books to students.		5,500
P.M.B. Gujarate Arts, Comm. & Law College Indore.	Book Bank		1,600
Sh. Vaishnav College of Commerce, Indore.	Financial assistance to affiliated colleges for the expansion of BOOK BANK scheme during 1976-77		4,000
			9,04,900

33. Jabalpur University

Organisation of Symposium of Physiology of Parasitism.		10,000
Appointment of Visiting Faculty in the universities.	Ist	50,000
Grant for support of research in universities during Fifth Plan period.	2nd	25,000
Purchase of furniturd for Girls hostel		9,375
Higher Education & Research- Devp. schemes of the Universities for the Vth plan period.		2,60,000
Construction of 4 Residers quarters.		5,540
Financial assistance to teachers for research/learned work in Humanities and social Sciences.	2nd	1,650
Salary of additional staff for the various departments of Humanities during Fifth plan.		1,05,000
-do- Sc. Department		85,000

Affiliated Colleges

Mahakochal Arts Mahavidyalay Jabalpur.	Utilisation of services of out- standing retired teachers	9,000
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Jabalpur University (Contd.)Affiliated Colleges

Govt. Sc. College, Jabalpur.	Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Sc.		2,000
Govt. Engg. College, Jabalpur.	-do-		6,400
Govt. College of Education Jabalpur.	Development grant under 1.5 lakhs Scheme .	Ist	30,000
Govt. Medical College, Jabalpur.	Grant to colleges Libraries for loan of books to students	Ist	10,000
Mahakoshal Arts Mahavidyalaya Jabalpur.	Development grant under 5 lakh Scheme	Ist	10,000

6,18,965
34. Jadavpur University:

JRF in Sc. including Social Sciences/Research Fellowships in Egg. & Tech.		5,319.3
Utilisation of services of oustanding retired teachers.		9,000
Research project entitled 'Fluid-Fluid Contactors for liquid-liquid extraction with liquidion exchangers' by Prof. R.N. Mukharjee		30,000
Construction of P.G. Pharmacy Building outside 4th plan (Western Win)	5th	25,000
-do- (Eastern Wing)	4th	25,000
Award of postgraduate scholarships of the value of Rs. 400/- p.m. to the students admitted during 1976-77 against approved intake in the Faculty of Engg. & Tech. including Pharmacy.		1,85,000

Jadavpur University (Contd.)

Support for advanced research in the Humanities and Social Sciences.	2nd	4,500
Organisation of symposium on Layered Deposits of Economic Minerals		9,000
Assistance for the research project entitled 'Studies on Problems of Piezo electric power generation and energy conversion by Prof. D.K. Sinha of Jadavpur University.		13,100
Assistance for the research project entitled 'Application of control theory and stochastic process in the study of homogeneous and non-homogeneous problems in Mechanics'.		17,000
Allocation of Unassigned grant for the year 1976-77	Ist	19,200
Equipment: Computer Centre 4th Plan	9th	80,000
Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Science		5,500
Release of 'on account' grant for Civil Work and site preparation	Ist	5,10,000
Assistance for research project entitled 'The Investigation into the Magnetisation processes and the Palaeomagnetic Measurements in Rocks'.		12,600
Development of Area Studies Programme.		5,000
College on the Theoretical and Computational Plasma physics to be held at the International Centre for Theoretical Physics to be held during March-April, 1977-	Final	6,404
Grant in-aid for the construction of an extension to Library Building under the Fifth Plan Development Scheme.	Ist	1,00,000
Symposium on photo Biology held at Indian Agricultural Research Instt. New Delhi.		926.05
Grant-in-aid towards the campus devp. and improvement of water supply facilities-Vth Plan Scheme.	Ist	2,50,000

13,12,549.40

35. Jammu University:

Appointment of Visiting Faculty in the Universities.	Ist	50,000
Salary of staff appointed in Humanities & Social Sciences Depts. during Fifth Plan period.		2,50,000
-do- in Sc. Depts.		3,00,000
Refresher course /Short-term Instt. in Economics.		16,000
-do- in Mathematics		15,000
Grants for support of Research in the Universities during Fifth Plan Period.	2nd	50,000
Scholarship for P.G. Studies in Sanskrit		3,000

36. Jawaharlal Nehru Technological University:6,84,000

Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Science.		4,000
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Affiliated College :

Regional Engg. College, Warangal.	UGC Assistance for the research project entitled 'Basic studies on Polar Fluid Media' of Dr. S.K. Lakshmana Rao.		2,500
			<u>6,500</u>

37. Jawaharlal Nehru University:

JRF in Science		1,500
Research Fellowships in Humanities including Social Sc.		2,400
Research Fellowships in Science.		2,400
JRE in Sciences		5,422.50
Organisation of Seminar/Symposia during 1977-78		6,000
Construction of Vice-chancellor's residence in Jawaharlal Nehru University Campus.	Ist	75,000

Jawaharlal Nehru University (Contd.)

Purchase of Stationery & other material required for running the Computer Centre.	2nd	1,50,000
Field Work-Payment of grant re-school of international studies.	2nd	1,50,000
Construction of an Earthen Dam Across Nalaha for collecting drain water.	2nd	10,00,000
Augmentation of existing water resources for Horticulture purposes in the J.N.U. Campus	2nd	1,50,000
Dr. Ambedkar Memorial Lectures		8,272.2
Seminar on African studies in Universities.		2,000
Construction of 3 Hostel Blocks for 600 students and 12 wardens in Sector I of the J.N.U. Campus	15th	2,00,000
Payment of grant for Visiting Fellowships in J.N.U.		10,000
Grants for support of Research in the Universities during Fifth Plan period.	2nd	50,000
Summer Institute in French for college teachers-1977		11,000
Award of Teacher Fellowship to Shri Ramesh Chand for 1 year		3,057.3
Award of Teacher Fellowship to Shri L.N. Mohapatra		3,000
Award of Teacher Fellowship to Shri D.K. Mishra		2,870.9
Construction of hostel for 200 girls students in J.N.U. Campus	2nd	5,00,000
Purchase of reprographic equipment & microfilms in the Central Library of J.N.U.	1st	1,00,000
Construction of building for School of Social Sciences in J.N.U.	2nd	4,00,000
Purchase of stationery etc. in the library of J.N.U.	1st	75,000

Jawaharlal Nehru University (Contd.)

Purchase of Chemicals & consumables during the Fifth Plan.	2nd	5,00,000
Payment of grant for Visiting Fellowships in J.N.U.	2nd	1,50,000
Seminars-payment regarding Publication.	Ist	1,00,000
	Ist	1,00,000
Autumn Workshop for Teachers of Russian 1977		8,000
Provision of steel grills in doors and windows in faculty staff quarters in sections 1 & 4 of the J.N.U. campus	2nd	1,00,000
Research Associateship in Sc./ Humanities including Social Sciences/Engg. & Tech.		4,121.43
Autumn Instt. for Teachers of German		11,000
Grants for Support of Research in the Universities during Fifth Plan Period		25,000
Payment of TA bill amounting to Rs. 215.05 in respect of Smt. Shikha Mukharjee		215.05
Construction of compound wall alongwith the boundary of the J.N.U. Campus		3,00,000
Award of Teacher Fellowship to Shri J.P. Singh		161.10
Construction of three hostel Blocks for 600 students and 12 Wardens quarters and 72 residence in sector IV of the J.N.U. campus	19th	3,00,000
Appointment of Visiting Faculty in the universities.	Ist	50,000
Payment of grant-in-aid for the purchase of Mess Equipment.		80,000
Award of Teacher Fellowship to Shri J.P. Singh		161.10

45,52,581.77

B. Jiwaji University:

	Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Science.	3,500
	JRF in Science	5,345.16
	Salary of Additional staff for the various Departments of Sciences during the Fifth Plan.	1,80,000
Affiliated Colleges	-do- in Humanities.	40,000
M.L.B. Arts & Commerce College, Gwalior.	Travel Grant to Dr. J.P. Saxena, Lecturer of M.L.B.B. Arts and Commerce College, Gwalior for attending the 22nd international Geographical Congress Montreal (Canada) in August, 1972.	2,651.24
Govt. College Bhind	Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Science.	2,500
Govt. College, Gwalior.	-do-	2,000
Govt- Sc. College, Gwalior	-do-	2,000
Govt. Post-graduate college, Morena.	-do-	2,500
Govt. Post-graduate College, Morena (MP)	-do-	2,500
P.G.V. College Gwalior	-do-	3,000
G.R. Medical College, Gwalior	-do-	4,000
M.L.B. Arts & Commerce College, Gwalior	Payment of salary to Shri Ram Saran Singh, Bhadewra Lecturer in Sociology	4,720

Jiwaji University (Contd.)Affiliated Colleges:

Shri Kasturba Kanya Maha- vidyalaya, Guna (MP)	Grants to Colleges Libraries for loan to Books to students (Book Bank)	Ist	4,500
K.R.G. College, Gwalior	Scholarship for Post-graduate studies in Sanskrit.		3,000

2,62,217.10

38. Jodhpur University:

Grant-in-aid for the develop- ment of Scientific Education & Research-Construction of Sc. Block No. 11.			2,00,000
Sr/JRFs in Sciences/Humanities including Social Sciences/ Research Fellowships in Engg. & Tech.			5,250
-do-			1,500
-do-			1,500
Research Fellowships in Science.			1,361.29
Salary of Additional Staff for the various Departments of Humanities during the Fifth Plan.			3,04,000
Appointment of Visiting Faculty in the Universities.	Ist		50,000
Utilisation of services of out- standing retired teachers.			9,000
Grant-in-aid for the development of Scientific Education and Research.			5,00,000
Award of Postgraduate scholar- ships of the value of Rs. 400/- p.m. to the students admitted during 1976-77 against approved intake in the Faculty of Engg. and Tech. including Pharmacy.			50,000
Symposium in Literature and Society from 1945-75			3,000

Jodhpur University (Contd.)

Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Science.

3,500

-do-

8,000

-do-

3,150

11,40,211.29

39. Kakatiya University

JRF in Science.

5,061.29

5,061.29

40. Kalyani University

Grant-in-aid purchase of Equipment for Central Workshop 5th Five Year Plan period.

2nd 60,000

Grants for Support of Research in the Universities during Fifth Plan period.

10,000

Appointment of Visiting Faculty in the Universities.

Ist 50,000

Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Science.

4,700

Construction of an animal house and glass house for the Deptt. of Zoology.

Ist 30,000

1,74,700

41. Kanpur University

Utilisation of Services of outstanding retired teachers

9,000

Affiliated Colleges:

J.N. Memorial
Degree College
Barabanki

-do-

6,862.91

Kanpur University (Contd.)Affiliated Colleges:

Dayanand Subhash National College Unnao.	Utilisation of Services of outstanding retired teachers.		9,000
Jawala Devi Vidya Mandir Degree College Kanpur.	Development of undergraduate education during 5th plan period.	Ist	1,800
Feroze Gandhi College, Rae Bareli.	Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Science.		2,000
Christ Church College Kanpur.	-do-		5,300
Christ Church College Kanpur	-do-		3,500
Christ Church College Kanpur	-do-		3,500
A.N.D.M.M. Mahavidyalaya Kanpur	-do-		2,000
Christ Church College Kanpur	-do-		3,500
K.S. Degree College Allahabad	-do-		2,000
D.A.V. College Kanpur	-do-		2,000
H.B. Technolo- gical Instt. Kanpur	Research Fellowships in Engineering & Technology.		2,564.53
-do-	-do-		3,216.67
P.P.N. College , Kanpur.	UGC Assistance for the research project 'entitled 'Study of optical absorption fluorescence and electrical conductivity in pure and doped crystals etc. by Dr. S.D. Pandey, Deptt. of Physics.		2,400

Kanpur University (Contd.)Affiliated Colleges:

Baiswara Degree College, Rai Bareilly.	Students Aid Fund in the College.	1,000
Jawala Devi Vidya Mandir Degree College Kanpur.	-do-	1,000
Dayanand College of Law Kanpur.	Grant towards establishment of Book Bank.	Final 2,990
Christ Church College Kanpur.	Utilisation of services of outstanding retired teachers.	9,000
Hercourt Butler Technological Institute, Kanpur.	-do-	4,500

 77,134.11

42. Karnatak University:

Scholarship for P.G. studies in Sanskrit/Pali/Abdhamagadi 1976-77	3,000
Grants for support of research in the universities during Fifth Plan Period.	25,000
Development schemes under Vth Plan Period-Establishment of Study Centre.	20,000
National Associateship Scheme	700
Development Schemes under Vth Plan Period-Student Aid Fund	Ist 5,176
Symposium on Lands Reforms in Karnatak	4,000
Support for advanced research in the Humanities and Social Sciences.	Ist 4,000
Summer Institute in Methodology of Education Research.	25,000

Karnatak University (Contd.)

	Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Science.		10,000
	-do-		7,500
	-do-		2,500
	Grants for support of research in the universities during Fifth Plan Period	2nd	50,000
	Development Schemes under Vth Plan Period-Construction of Library Building.	Ist	2,00,000
<u>Affiliated Colleges:</u>			
University College of Education Dharwar.	Improvement of Teachers Training College during 5th plan period.		15,000
S.D. College of Commerce Gulbarga.	Construction of Additional Teaching Accommodation during 5th Plan period.	Ist	60,000
J.S.S.'s Banashankari Arts and Shantikumar Cubbi Science College, Dharwar.	Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Science.		5,000
Sh. Sharana-basaveshar College of Science, Gulbarga.	Payment of salary to Shri S.R. Mathapati Lecturer in Mathematics		2,235.48
Pooranapranjna College, Udupi.	Payment of salary to Shri S. Gopal Bhat, Lecturer in Zoology		4,758.68
J.N. Medical College, Belgaym	Grants towards the loan of Books-setting up of Book Bank during 1976-77	Ist	8,500
S.B. College of Arts, Gulbarga.	-do-	Ist	4,200
H.K.E. Society's Shri Prabhu Arts and Science College Shorapur.	-do-	Ist	2,250

Karnatak University (Contd.)Affiliated Colleges:

Basavashar Engineering College Bagalkot.	Students Aid Fund to Colleges for the year 1976-77		596
Tecrasaiva College Bellary	-do-		2,200
J.S.S. Banashankari Arts & Shanti Kumar Gubbi Science College, Dharwar.	-do-		1,000
Kotturswamy College of Sc. Education Bellary	-do-		750
Basaveshwar Arts College Bagalkot	Establishment of Book Bank	2nd	2,750
Adarsha Shikshan Samiti's Commerce College Cadag	-do-	2nd	1,675
Lingraj College Belgaum	-do-	4th	1,625
			4,69,416.16

3. Kashmir University:

Construction of Fern House (Botany Department) during Fifth Plan Period.	50,000
Establishment of students Aid Fund in universities, 1976-77	3,700
Construction of Animal House during 5th plan period	50,000

Kashmir University (Contd.)

	JRFs in Science.		3,306-45
	Grants for support of Research in the Universities during Fifth Plan Period.	2nd	50,000
	Salaries of staff appointed in Science Departments during Fifth Plan Period		1,50,000
	Salaries of staff appointed in Humanities & Social Sciences Departments during Fifth Plan Period.		1,50,000
	Financial Assistance to Teachers for research/learned work in Humanities and Social Sciences	2nd	1,250
<u>Affiliated Colleges:</u>			
Amar Singh College, Srinagar.	Utilisation of Services of outstanding retired teachers.		9,000
Luasia College Srinagar	Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Science.		3,200
Regional Engg. College Srinagar.	-do-		6,000
Govt. College of Education Srinagar	-do-		3,500
Regional Engg. College Srinagar	-do-		2,000
Govt. Agriculture College Sopore (Kashmir)	Grant towards the loan of books to students.		4,500
Islamia College of Science & Commerce Srinagar	Students aid fund in the college		1,750

4,88,206.45

4. Kashi Vidyapeeth:

Utilisation of services of outstanding retired teachers.		9,000
Appointment of Visiting Faculty in the universities.	Ist	50,000
Salary of staff approved during the Fifth Plan Period for Humanities and Social Science Departments.		4,00,000

 5,59,000

5. Kerala Agricultural University:

Utilisation of services of outstanding retired teachers.		4,500
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6. Kerala University:

Establishment of Study Centre		20,000
Organisation of Seminar/Symposia during 1976-77		7,000
Grants for support of Research in the Universities during Fifth Plan Period.	2nd	50,000

Senior/Junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering & Tech.		5,100
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-do-

to Scheduled Castes/Scheduled Tribes candidates.		3,074.19
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Workshop-cum-Seminar on Lexicography	Ist	20,000
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Appointment of Dr. Alfred Kastning as German Language Teacher under Indo-ERG Cultural Exchange Programme		10,061
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Grant-in-aid for the appointment of Visiting Professors/Visiting appointment during V Plan period.	Ist	1,00,000
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Organisation of Summer Institute in Economics for College teachers 1977		30,000
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Kerala University (Contd.)Affiliated Colleges:

Mahatma Gandhi College, Trivandrum.	Utilisation of Services of out- standing retired teachers.		9,000
Mar Athanasius College Kothamangalam College P.O. Kerala	-do-4		9,000
University College Trivandrum	-do-		9,000
Union Christian College Alwaye-2	-do-		6,604.84
University College Trivandrum	-do-		9,000
University College, Trivandrum.	-do-		9,000
-do-	-do-		9,000
St. Berchman's College Changanacherry	-do-		9,000
M.S.S. Hindu College Kerala	-do-		9,000
Alphonsa College Palai	Books & Journals	2nd	10,000
Assumption College Changanacherry	Purchase of Books and Equip- ment-Vth Plan Period.	Ist	27,000
University College Trivandrum	College Science Improvement Programme.	5th	22,000
Medical College Trivandrum	JRFs in Science		4,932.26
St. Thomas College Ranni.	Construction of Library Building-Vth Plan.	2nd	30,000
-do-	5th Plan Schemes-Purchase of Books & Journals	Ist	12,000

Affiliated Colleges

St. Albert's College, Ernakulam.	Fifth Five Year Plan-Improvement of Undergraduate educational facilities in affiliated colleges.	2nd	50,000
St. Thomas College Ranni.	5th Plan Schemes	Ist	15,000
St. Berchman's College, Changanacherry	Basic grant for purchase of Books and Journals	2nd	7,500
-do-	-do-	Final	10,000
Mar Athanasius College Kothamangalamp	Development of Postgraduate studies in Science subjects.	4th	5,446
Alphonsa College Palai	Laboratory equipment-5th plan development scheme	3rd	20,000
St. Teresa's College Ernakulam	Financial Assistance to Teachers for research ^{learned} work in Humanities and Social Sciences.	2nd	2,100
Sree Narayana College for Women Quilon	Students' Aid Fund in the colleges		3,250
All Saint's College Trivandrum.	-do-		2,017
Medical College Trivandrum.	-do-		1,041
Kuriakose Elias College Kottayam	-do-		1,000
St. Peter's College, Kolencherry	-do-		1,000
St. Teresa's College Ernakulam	Setting up Book Bank	Final	3,750
C.M.S. College Kottayam	Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Science.		3,000

Kerala University (Contd.)Affiliated Colleges:

Sree Narayana College Quilon.	Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Science.		2,700
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St. Thersa's College Kerala	-do-		5,000
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5,62,576.29

47. Kumaun University:

	Organisation of workshop on New Course in Political Sc.		10,000
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	Unassigned grant for 1976-77		7,500
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	Appointment of Visiting Faculty in the universities.	Ist	50,000
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Affiliated Colleges:

D.S.B.College Nainital	Research Fellowships in Science.		2,400
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-do-	Utilisation of services of outstanding retired teachers.		4,887.09
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-do-	-do-		9,000
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Govt. Post-graduate College Pithiragarh	Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Science.		5,750
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-do-	-do-		3,500
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-do-	-do-		2,500
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95,537.09

48. L.N. Mithila University

	Appointment of Visiting Faculty in the universities.	Ist	50,000
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	Utilisation of services of outstanding retired teachers.		9,000
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Affiliated Colleges:

Burmen College Purnen	Financial Asstt. to Teachers for research.	2nd	400
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L.N. Mithila University (Contd.)Affiliated Colleges:

K.S. College Darbhanga.	Financial assistance during V Plan period for Development Scheme- Construction of Additional Teaching Accommodation.	Ist	30,000
Marwari College Darbhanga	Participation of Student Youth in Soil Health Care Workers Programme		10,000
C.N. Science College Darbhanga.	-do-		10,000
Bali Ram Bhagat College Samastipur	Setting up of Book Bank in College 5th Plan.	Final	1,500
-do-	-do-	Ist	2,000
Saharaa College Saharsa Bihar	Students' Aid Fund in the colleges-		1,750
Nirmali College Nirmali	-do-		750

1,15,400

Lucknow University:

Organisation of Advanced Seminar School in logic		3,000
S/JRFs in Science/Humanities including Social Sciences/ Research Fellowships in Engg. & Tech.		4,932.25
Improvement of undergraduate educational facilities	Ist	12,000
Programme of Special Assistance to selected Departments-Deptt. of Chemistry.		3,20,000
-do-		25,000
Grants for support of research in the universities during fifth plan period.		50,000

Lucknow University (Contd.)

Assistance towards the cost of travel and maintenance to attend the XIII International Congress of internal Medicine.		5,321
Appointment of Visiting Faculty in the universities.	Ist	50,000
Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Science.		1,500
RFs in Humanities including Social Sciences.		2,400
Writing of university level books/monographs		2,000
Utilisation of services of outstanding retired teachers.		9,000
-do-		2,000
-do-		9,000
-do-		9,000
-do-		9,000
-do-		9,000

Affiliated Colleges:

King George's Medical College Lucknow.	Prof. B.B. Sethi-Travel grant for attending the Fourth International Association for the Scientific study of Mental Deficiency held in Washington	3,200
Shia Degree College Lucknow	Students Aid Fund in the college	3,750
-do-	-do-	2,487
King George's Medical College, Lucknow.	Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Science.	4,000
-do-	-do-	4,500
Sri Narain Vocational Degree College, Lucknow.	-do-	2,000
Avadh Girls Degree College Lucknow	-do-	5,500

 5,48,590.25

O. Madras University:

Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Science.		10,000
-do-		10,000
-do-		7,000
Seminar on thin film Micro Electronics		64.39
UGC Assistance for the research project entitled 'Phytochemical studies on Indian Asclepiadaceae constituents of Leptadenia reticulata' by Dr. P.S. Subramanian, Reader in Organic Chemistry University of Madras.		13,000
Grants for support of research in the universities during Fifth Plan period.	2nd	50,000
Development schemes under Fifth Plan period-Purchase of Library books and journals.		5,75,000
Development schemes under V Plan period-appointment of additional teaching/technical staff-		46,000
Award of Postgraduate Scholarships of the value of Rs. 400/- p.m. to the students admitted during 1976-77 against approved intake in the Faculty of Engineering & Tech. including Pharmacy.		70,000
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences/Sciences.	Ist	3,000
Appointment of Visiting Faculty in the universities.	Ist	50,000
JRFs in Humanities including Social Sciences.		1,500
Utilisation of services of out-standing retired teachers.		9,000
-do-		9,000
-do-		9,000

Madras University (Contd.)

Organisation of the National system conference to be held at P.S.G. College, Coimbatore from 2-4 June, 1977 5,000

Affiliated Colleges:

Seethalakshmi Ramaswami College, Tiruchirapalli.	College Humanities and Social Sciences Development programme		16,500
The New College, Madras	Scholarship for P.G. studies in Arabic		3,000
-do-	-do-		3,000
Nehru Memorial College Puthanapatti	Fifth Five Year Plan-Improvement of Undergraduate Educational Facilities	Ist	35,000
-do-	-do-	Ist	15,000
Presidency College, Madras.	JRFs in Sciences		5,422.58
National College Tiruchirapalli	Purchase of Laboratory Equip- ment	Ist	50,000
Ethiraj College for Women Madras.	Purchase of Library Books and Journals.	Ist	17,000
-do-	-do-	Ist	25,000
Vivekananda College Madras	Financial assistance to teachers for research/learned work in Humanities and Social Sciences	Final	1,000
Kamaraj College Tuticorin	College Humanities and Social Sciences Development Programme	3rd	15,700
Queen Mary's College Madras.	Fifth Five Year Plan-Improvement of undergraduate educational facilities.		13,000
Sri Avinashi- lingam Home Sc. College for Women Coimbatore.	-do-		70,000

Madras University (Contd.)Affiliated Colleges:

The New College Madras.	Improvement of Undergraduate educational facilities during 5th plan period.		58,000
Auxilium College Vellore	-do-	Ist	25,000
Jamal Mohamed College Tiruchirapalli	-do-		27,000
Dwarka Dass Goverdhan Dass Vaishnav College Madras.	-do-		67,000
Madras Christian College Madras	College Humanities and Social Sciences Development programme.	Ist	1,00,000
Govt. Art College for Women Madras.	Improvement of undergraduate educational facilities during 5th plan period.		34,000
Institute of Mathematical Sciences Madras.	Award of teacher fellowship to Miss Susila Lecturer in Physics.		2,000
The Women's Christian College Madras	Development of Postgraduate studies in Sciences and Humanities		28,000
Sri Rama-krishna Mission Vidyalaya Art College Coimbatore	Improvement of Undergraduate educational facilities	2nd	30,000
Stella Mari's College Madras	Purchase of Library Books & Journals.	Final	8,500
Bela Cross College Tiruchirapalli	-do-	Ist	25,000
Sri Sarada College for Women Salem.	Improvement of undergraduate facilities during Vth plan	Ist	50,000

Madras University (Contd.)Affiliated Colleges:

Vellalar College for Women Erode.	Payment of salary to Smt. M. Thilothama lecturer in English appointed as a substitute in place of teacher fellows, B.R. Papa.		5,086.46
St. Joseph's College, Tiruchirapalli	Development of undergraduate educational facilities.	Ist	5,000
-do-	-do-	Ist	20,000
N.G.W. College Pollachi	Improvement of undergraduate educational facilities		15,000
The New College Madras.	Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Science.		7,000
Loyala College, Madras	-do-		5,000
Jawaharlal Institute of P.G. Medical Edu. & Research Pondicherry	-do-		4,500
The New College, Madras	-do-		7,500
Pachaiyapa's College Madras.	-do-		5,250
Jawaharlal Institute of P.G. Medical Education & Research Pondichery	-do-		5,800
-do-	-do-		3,000
Madras Medical College.	-do-		10,000
Govt. Arts College, Karur	-do-		2,500

Madras University (Contd.)Affiliated Colleges:

Queen Mary's College Madras.	Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Science.	2,000
New College Madras	-do-	3,500
Govt. Arts College Karur (TN)	-do-	1,500
Thiruvalluvar Govt. Arts College Rasipuram	-do-	3,260
K.K. College Velur	-do-	1,500
Loyala College Madras	-do-	2,500
F.S.G. Arts College Coimbatore	-do-	6,500
College of Engineering Guindy (TN)	-do-	4,000
Thiruvaluar Govt. Arts College Rasipuram	-do-	4,500
Jamal Mohammed College Tiruchirapalli	Utilisation of services of outstanding retired teachers.	9,866.07
Madras Medical College Madras	-do-	9,000
A.V.V.M. Sri Lusham College Poondi	-do-	9,000

Madras University (Contd.)Affiliated Colleges:

Ethiraj College for Women Madras.	Utilisation of services of out- standing retired teachers.		9,000
Vivekananda College Madras.	-do-		9,000
Sir Theagaraya College Madras	-do-		9,000
Saurashtra College Madras	-do-		1,750
Madras Law College Madras	-do-		4,690
Voorhses College Vellore	-do-		1,307
Madras Christian College Madras	-do-		3,750
Govt. Arts College (Men) Madras	Students Aid Fund to colleges for the year 1976-77		2,750
D.B. Jain College Madras	Grants towards the loan of Books setting up of Book Bank during 1976-77	Ist	4,500
Rajah Sarreji Govt. College Thanjavur	-do-	Ist	5,625
Govt. Training College Pudukkottai	-do-	Ist	4,500
A.A. Govt. Arts College Karalkai	Establishment of Book Bank	2nd	1,875
Stella Maris College Madras	-do-	Final	1,875
Bharathidasan Govt. College for Women Pondicherry	-do-	2nd	1,497

Madras University (Contd.)Affiliated Colleges:

Pachaiyappa's College Madras	Teacher Fellowship programme in the Centre of Advanced Study in Botany.	12,362
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 18,17,870.50

Madurai University:

Development Schemes under V Plan period-construction of Central Instrumentation and Services Laboratory.	50,000
Research Associateship in Science/Humanities including Social Sc./Engg. & Technology	3,571.43
JRFs in Sciences/Humanities including Social Sciences/Research Fellowships.	1,500
-do-	1,500
Development Schemes under V Plan Period-construction of Humanities & Social Sciences Block	1,00,000
-do- construction of Chemistry Block	1,00,000
UGC Assistance for the research project entitled 'Dynamic Nature of mitochondrial function in relation to cellular environment'.	39,600
Organisation of Seminar/Symposia during 1977-78	2,000
Organisation of S/I in New Mathematical Methods and Economics Analysis for college teachers 1977	50,000
Summer Institute in Mathematics	6,000
Appointment of Visiting Faculty in the universities.	1,00,000

Affiliated Colleges:

Saraswathi Narayanan College Madurai	Construction of Teaching accommodation including laboratories during IV plan .	Final 9,333
Virudhunagar Hindi Nadar's Senthikumara Nadar College Viradhunagar.	Construction of workshop shed and equipment	40,000

Madurai University (Contd.)Affiliated Colleges:

Saurashtra College Madurai	Construction of Library Building	Ist	50,000
Arulmigu Palaniandavar Arts College Palni	Participation of student youth in soil health workers programme	Final	10,000
Madurai Medical College Madurai	Travel grant to Dr. M. Ghouse		6,000
St. Mary's College Tuticorin	Improvement of Undergraduate educational facilities		46,000
Sree Sevagan College Davakottai	Construction of additional teaching accommodation		75,000
Saraswathi Narayanan College Perungudi	Construction of Hostel during 4th plan period		11,667
G. Venkata- swamy Naidu college Kovilpati	Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Science.		2,500
Sree Meenakshi Govt. College for Women Madurai	-do-		5,500
Madurai College Madurai	-do-		6,000
American College Madurai	-do-		2,500
Ayya Nadar Janaki College Sivakasi	-do-		2,000
Madura College Madurai	-do-		2,660
Sadakathulla Appa College Tirunelveli	Students Aid Fund to College for the year 1975-76		341
American College Madurai	Establishment of Book Bank	2nd	3,750

52. Magadh University:

Grant-in-aid towards the develop- ment of Botanical Garden & Herbarium at Botany Department-5th plan scheme.		20,000
Grant-in-aid towards the salary of additional staff appointed in Science/Humanities and Social Sciences Departments during the Fifth Plan period.		3,00,000
Organisation of Summer Institute in Economics for college teachers 1977		18,000
Appointment of Visiting Faculty in the Universities.	Ist	50,000
Grant-in-aid towards the salary of additional staff appointed in Humanities and Social Sciences Departments during the Fifth Plan Period.		5,00,000
Refresher course in Political Science for college teachers, 1977		17,000
Utilisation of services of out- standing retired teachers.		11,000

Affiliated Colleges:

R.L.S. Yadava College Patna	Financial assistance during V Plan period-	Ist	20,000
Gaya College Gaya	Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Science.		7,500
Jagjivan College Arrah	-do-		8,000
S.N. Sinha College Bihar	Financial assistance during V Plan period for development	4th	10,000
College of Commerce Patna	Setting up of Book Bank in colleges during 5th plan.		4,760
Thakur Prasad Singh College Chiraiyantar Bihar.	-do-	2nd	1,980

Magadh University (Contd.) :96:

Affiliated Colleges:

S.M.D. College Sripalpur.	Grant for setting up Book Bank.	Ist ,	4,500
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9,72,740

53. Marathwada University

National Associateship Scheme- Dr. M.G. Deshmukh.			1,500
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Salary for additional staff for the various Departments of Humanities, Social Science approved during the Fifth plan.			1,72,000
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Salary of additional staff for the various Departments of Sciences approved during the Fifth Plan.			1,35,000
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Grants for support of research in the universities-during fifth plan period-	2nd		50,000
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Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Science.			2,900
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Organisation of Summer Institute in Physics for college teachers during 1977.			15,000
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-do-	Ist		20,000
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JRFs in Sciences			5,306.45
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-do-			2,780
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Grants for purchase of equipment during the Fifth Five Year Plan Period.			5,50,000
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Appointment for Visiting Faculty in the universities.	Ist		50,000
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Affiliated Colleges:

Science College Nanded.	Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Science.		4,000
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Maharashtra Mahavidyalaya Udgir	-do-		3,500
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Marathwada University (Contd.)

Affiliated Colleges (Contd.)

C.M.S. College Kottayam	Financial assistance to teachers for undertaking minor research projects in Science.		3,500
Govt. College of Engg. Aurangabad.		-do-	5,000
Yashwant College of Arts & Comm. Sillod		-do-	Ist 4,500
Swami Ramanand Teerth Mahavi- dyalaya Ambajogad.	Grants to colleges libraries for loan of Books to students		Ist 4,000
J.K.S. Vaidyanath College Arts, Science Comm. Parlivaljnath	Students Aid Fund in colleges. Grant for 1976-77		1,166
A.E.S. Arts & Commerce & Science College Hingoli		-do-	1,000
Govt. College of Education Parbhani		-do-	750
Yogeshwari Mahavidyalaya Ambajogai		-do-	450
Dayan Prasarak Mahavidyalaya	Setting up of Book Bank		Final 1,900
A.E.S. Arts & Science College Parbhani		-do-	Final 2,800

10,37,052.45

54. Marathwada Agricultural University:

Financial assistance to teachers
in the universities and colleges
for undertaking minor research
projects.

3,700

 3,700

55. Mahatma Phule Krishi Vidyapeeth:

National Associateship Scheme

165.03

 165,03

56. M.S. University of Baroda:

Award of fellowships sanctioned
for the Fifth Plan Period under
Development Schemes.

18,000

Award of UGC National Scholarships
to M.Ed. students at the Centre
of Advanced Study in Education
1976-77

8,000

Scholarships for P.G. Studies
in Persian.

3,000

Financial assistance to teachers
for research/learned work in
Humanities and Social Sciences

2nd 500

Utilisation of services of out-
standing retired teachers.

9,000

-do-

1,255

-do-

9,000

-do-

9,000

-do-

5,000

Salary of additional staff
in the various departments.

3,00,000

Salary of additional staff for
the various departments of
Humanities approved during the
Fifth Plan.

5,40,000

Appointment of Visiting Faculty
in the Universities.

Ist 50,000

M.S. University of Baroda: (Contd);

Establishment of a Department of Adult/Continuing education.	20,000
UGC assistance for the research project entitled 'Study of ultrasonic velocity and absorption in liquid crystals and crystalline mixtures'	20,000
Organisation of Seminar on Curriculum Development and Design for the Evaluation of P.G. Studies in Music.	7,000
Release of grant for the purchase of scientific equipment during Fifth Five Year Plan period.	12,50,000
Award of Postgraduate scholarships of the value of Rs. 400/- p.m. to the students admitted during 1976-77 against approved intake in the Faculty of Engineering & Technology including Pharmacy.	2,00,000
Organisation of All India Symposium on Plant Tissue Cultures.	11,000
Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Science.	2,000
-do-	3,200
-do-	4,000
-do-	3,000
-do-	1,900

Affiliated Colleges:

Medical College Baroda.	Grants to colleges libraries for loan of Books to students.	8,000
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24,82,855

57. Meerut University:

Unassigned Grant.			35,000
Higher Education & Research- Development Scheme of the Uni- versities for the Fifth Plan period Appointment of Additional staff in Science and Humanities.		Ist	5,00,000
Appointment of Visiting faculty in the universities.		Ist	50,000
UGC assistance for the research project entitled ' Impact of Urban Environment on Brain Chemistry and the Behavioural Effects of Corti- cal Lesions in Rhesus Monkeys' by Dr. S.D. Singh of the Institution of Advanced Studies.			19,600
Organisation of Summer Institute on peasant studies in the 70's based on Field-cum-Library exer- cises for college teachers, 1977		Ist	15,000
<u>Affiliated Colleges:</u>			
M.M.H. College Ghaziabad.	Development of undergraduate educational facilities during Vth plan period.	Ist	9,000
-do-	-do-	Ist	4,500
D.A.V. College Muzaffarnagar	College Humanities and Social Sciences Development Pro- gramme	4th	11,000
Cochar Maha - vidyalaya Saharanpur	Financial assistance to teachers in the universities and colleges for undertaking minor research projects.		3,500
D.A.V. College Muzaffar- nagar.	-do-		5,200
Sanathan Dharam College Muzaffarnagar	-do-		6,000
D.A.V. College Muzaffarnagar	-do-		4,500
M.M. College Modinagar	-do-		5,000

Meerut University (Contd.)Affiliated Colleges:

Meerut College, Meerut.	Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Science.		4,000
D.A.V. College Muzaffarnagar	-do-		2,000
Multanimal Modi College Modinagar	-do-		4,500
D.A.V. College Muzaffarnagar	-do-		5,500
Meerut College Meerut	-do-		3,000
D.A.V. College Muzaffarnagar	-do-		6,000
Meerut College Meerut	-do-		5,000
Meerut college Meerut	-do-		2,000
NREC College Khurja	-do-		4,500
Meerut College Meerut	-do-		5,000
M.M. Girls College, Ghaziabad.	Construction of Psychology Laboratory	Final	7,667
Ch. Chhotu Ram Degree College, Muzaffar- nagar	Development of undergraduate educational facilities during Fifth Five Year Plan.	Fist	2,400
A.K.P. Degree College Khurja	Students Aid Fund in the college		750
D.A.V. College Muzaffarnagar	UGC Assistance for the research project entitled 'Studies on the effect of some of the main air pollutants on the chemicals make up of tranchss lungs, heart and brain of a few mammals.		18,400

Meerut University (Contd.)Affiliated Colleges:

Meerut College Meerut	Utilisation of services of outstanding retired teachers.	4,500
Raghunath Girls College, Meerut	-do-	10,815
S.D. College Muzaffarnagar	-do-	9,000
S.S.V. College Hapur	-do-	2,250
Meerut College Meerut	-do-	9,000
J.V. Jain College Saharanpur.	-do-	9,000
Meerut College Meerut	-do-	9,000
M.M.H. College Ghaziabad.	Payment of salary to Sh. S.S. Agarwal Lecturer in Physics M.K. Sharma, awarded a Teacher Fellowship;	2,839
D.A.V. College Muzaffarnagar	Payment of salary to Shri Kant Lecturer in Mathematics	3,469
M.M.H. College Ghaziabad.	Payment of salary to Shri Ratan Singh Yadav, Lecturer in Zoology	1,720
Meerut College Meerut	JRFs in Sciences.	5,424
		8,06,032

58. Mysore University:

Allocation of grant for UGC Unit of Unassigned grant for 1976-77	2nd	8,000
Indo-USSR Cultural Exchange Programme-Reimbursement of salaries.		5,400
Organisation of Summer Instt. in Economics for college teachers, 1977		28,000
National Associateship Scheme		

Mysore University (Contd.)

Development Schemes under V Plan period-Development of Computer Centre in the Univ.	Ist	8,00,000
Purchase of Scientific equipment under the scheme for increase in take of students to P.G. Courses in Science subjects.	2nd	10,000
Grants for support of research in the universities during Fifth Plan Period.	2nd	25,000
S/JRFs in Science/Humanities including social sciences/ Research fellowships in Engg. & Tech.		2,000
Organisation of Seminar on Groundwater and Surface Water Pollution and its control.		7,000
Indo-USSR Cultural Exchange Programme--Salary of Russian Language Teachers.		5,400
Development schemes under Fifth Plan period-purchase of scientific equipment for the Department of Chemistry-P.G. Centre, Sriranga	2nd	10,000
Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Sc.		3,000
College Science Improvement Programme-University Leadership Project in Physics.		1,50,000
Utilisation of services of outstanding retired teachers.		9,000
-do-		9,000
Organisation of Summer Instt. in Medical Sciences for College Teachers, 1977	Ist	28,000
Organisation of Summer Instt. in Methodology of Teaching and Evaluation for college teachers 1977 at Manipal College of Edu. Udupi.	Ist	25,000

Mysore University (Contd.)Affiliated Colleges:

Vijaya College Mulki	Improvement of undergraduate educational facilities during Fifth Plan period.		65,000
St. Agnes College Mangalore	-do-		63,000
A.V.K. College for Women Devangore	Construction of additional teaching accommodation approved during IVth Plan period.	Final	7,218
M.G.M. College Udupi	Construction of Canteen/Cafe- teria building		40,000
St. Ann's College of Education Mangalore.	Development Schemes under V Plan Period-Assistance to Teachers Training College.	2nd	14,500
University Evening College Mysore	Construction of Teachers Flats.	7th	10,000
Yuvaraja College Mysore	Construction of ^R esidential Flats for Teachers.		10,000
Regional College of Education Mysore.	Improvement of undergraduate educational facilities.	Final	6,700
Pt. J.L.N. Memorial Arts & Comm. College Birur.	Students Aid Fund to colleges for the year 1976-77		1,000
Govt. College Hassan	-do-		2,176
J.S.S. College for Women Saraswathi- puram.	-do-		75
Sri Poorapraja Evening College Udupi	-do-		71

Mysore University (Contd.)

Affiliated Collldges (Contd.)

Govt. College of Education Mangalore.	Students Aid Fund to colleges for the year 1976-77		74
Regional College of Education Mysore.	-do-		1,000
J.S.S. College Nanjangud	Grants towards the loan of Books-setting up of Book Bank during 1976-77	Ist	2,000
M.S.R. Evening College Devangera	-do-	Ist	5,625
A.R.G. College of Arts & Comm. Devangore	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities includ- ing Social Sciences/Sciences.	Ist	3,000
Kuraja's College Mysore	Financial assistance to teachers in the unive rsities and colleges for undertaking research projects in Science.		3,000
Govt. College Hassan	-do-		2,500
Yugraja's College Mysore	-do-		4,500
			13,57,569.49

59. Nagarjuna University:

JRFs. in Sciences. 3,254

Affiliated Colleges:

J.K.C. College Guntur	Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Science.		1,500
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Nagarjuna University (Contd.)Affiliated Colleges (Contd.)

J.K.C. College Guntur.	Financial Assistance to teachers in the universities and colleges for undertaking research projects in Science.	1,500
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6,254

60. Nagpur University:

Award of Teacher Fellowship to Shri K.K. Reddy, Lecturer in English in Anand Niketan College, of Arts, Science and Commerce, Warore.	1,500
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Grants for support of Research in the Universities during 5th plan period.	2nd 20,000
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S/JRFs. in Sciences/Humanities including Social Sciences/ Research Fellowships in Engg. & Tech.	1,500
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-do-	5,500
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Salary of Additional staff for the various Departments of Sc. approved during the Fifth Plan Period.	1,90,000
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Salary of Additional staff for the various Departments of Humanities, Social Sciences approved during the 5th Plan.	3,60,000
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UGC Assistance for the research project e-ntitled 'Mechanism of Reactions: Intermolecular Oxyanion reactions' by Dr. G. Bhagavant & Sarvashir V.R. Pasakar & P.P. Parenjhe, Department of Chemistry Nagpur University.	7,800
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Scholarship for Post-graduate studies in Arabic-	3,000
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Organisation of Summer Instt. in Economics for college Teachers during 1977	Ist 25,000
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Nagpur University (Contd.)

	Appointment of Visiting Faculty in the universities.	Ist	50,000
	Utilisation of services of outstanding retired teachers.		9,000
	-do-		9,000
<u>Affiliated Colleges:</u>			
Laxminarain Instt. of Technology Nagpur.	-do-		9,000
Vidarbha Mahavidyalaya Amravati	-do-		9,000
G.S. College of Commerce Wardha	-do-		9,000
Smt. K.L. Mahavidyalaya Amravati	-do-		2,000
Instt. of Science Nagpur	Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Science.		2,000
-do-	-do-		2,500
Bhartiya Mahavidyalaya	-do-		2,500
Arts & Comm. College Nagpur.	Reimbursement of Students Aid Fund Grant 1976-77		238
Tirude College of Social Work Nagpur.	Grant to college Libraries for loan of Books to Students	Ist	4,500
Jagdamba Mahavidyalaya (Arts, Comm & Science) Achalpur City.	-do-	Ist	6,000

Nagpur University (Contd.)

Affiliated Colleges(Contd.)

G.B. Mauraka Arts & Comm. College Shegaon	Grants to college libraries for loan of Books to students.		4,500
Karamvir Mahavidyalaya Mul	-do-		4,500
Bharatiya Mahavidyalaya Amarvati	-do-	Ist	6,000
M.S.S. Instt. of Social work Nagpur.	Financial assistance to affi- liated colleges for the expansion of BOOK BANK Scheme during 1976-77	2nd	2,250
Lokmanya Tilak Mahavidyalaya Wani	Students Aid Fund in the colleges		628
Mahatma Phule Arts, Comm. & Sitarangi Chaudhry Sc. Mahavidyalaya Distt. Amravati	-do-		294

7,47,21

61. North Bengal University:

Grant-in-aid for the construction of 16 class IV Staff quarters,	Final	17,763
UGC Assistance for the research project entitled Investigation on Chemistry of Natural Products and their Transformation with Particular Reference to Terpen- doids and Steroids by Prof. H.N. Khastgir, Department of Chemistry North Bengal University-Fi fth Plan Period.		1,804

North Bengal University:ctd.

Appointment of Visiting Faculty in the universities.	Ist	50,000
Refresher Course on Study of Political Science: Some New Dimensions.		9,000
Grants for support of research in the universities during Fifth Plan Period	2nd	25,000
Summer Institute in Economics (Recent Development in Banking Monetary Economics and Statistics).		10,000
Organisation of Summer Institute in Mathematics for college teachers 1977.	Ist	20,000
Summer Institute in English for college teachers, 1977	Ist	20,000

Affiliated Colleges:

Darjeeling College Darjeeling.	Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Science.		2,500
-do-	-do-		7,500
-do-	-do-		6,500
Darjeeling Govt. College Darjeeling.	-do-		6,900
-do-	-do-		5,500
Siliguri College of Commerce, Siliguri.	Financial Assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences/Sciences.	Ist	1,500
Chanchal College Malda	Students Aid Fund in the colleges.		1,000
Malda College Malda	Grant for setting up Book Bank		14,000

 1,98,967

: 110:

62. North Eastern Hill University:

	Appointment of Visiting Faculty in the Universities.	Ist	50,000
	Purchase of Library Books and Journals under Vth Plan period.	4th	5,00,000
	Purchase of scientific equipment for various Departments under Vth Five Year Plan Scheme.	3rd	5,00,000
	Construction of barbed fencing of Mayurbanj Estate		50,000
	Limited competition of architects for designing the layout of the University Campus.		1,00,000
	Construction of an access road to North Eastern Hill University campus at Mawkynroch		4,00,000
	Workshop in research Methodology for Research Scholars & Lecturers.		8,000
	Procurement of Survey and Drawing Instruments.	Ist	25,000
	Organisation of Seminar/Symposia during 1977-78		6,000
	Purchase of Bijni Castle	Ist	7,50,000
	Workshop on education syllabi for undergraduate courses		4,500
<u>Affiliated Colleges:</u>			
Science College, Kohima.	Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Science.		2,000

23,95,500

63. OSMANIA UNIVERSITY

Basic grant for the purchase of library books and journals during the V plan period for development of Engg. & Technology.	Final	5,000
Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Science		2,000
Organisation of Summer Institute in Economics for college teachers during 1977		20,000
University Grants Commission Assistance for the research project entitled 'Genetic, Enzymatic and Biochemical studies of Anthocyanin Biosynthesis in Minzo' of Dr. G.M. Reddy Department of Genetics, Osmania University, Hyderabad		32,000
Grant in aid for the appointment of visiting Professors/Visiting appointments during V plan period.		80,000
Award of Postgraduate scholarships of the value of Rs. 400/-p.m. to the Students admitted during 1976-77 against approved intake in the Faculty of Engineering and Technology including Pharmacy.		1,60,000
Organisation of Summer Institute in Mathematics for college Teachers-1977		20,000
Organisation of Summer Institute in Experimental Psychology for college teachers 1977.		17,000
Organisation of Seminar/Symposia during 1976-77		8,000
University Grants Commission Assistance for the research project entitled 'Geochemical Investigations for Sulphide deposits of Khamman' by Dr. Surya Prakash Department of Geology, Osmania University.		24,800
University Grants Commission Assistance for the research project entitled 'Sedimentation and Stratigraphy of Upper Cuddapah by Dr. B.E. Vijayam, Department of Geology, Osmania University.		43,600

OSMANIA UNIVERSITY CONTD.

University Grants Commission Assistance for the research Project entitled 'Studies on the Alkaline and associated rocks in Guntur by Dr. G. Leenandan, Department of Geology, Osmania University.	36,000
University Grants Commission Assistance for the research project entitled 'D Development of Geochemical and others rapid analysis techniques in prospecting by Dr. S. Sitaramayya and others Centre of Exploration, Geophysics, Osmania Univ.	1,38,600
-do-	38,000
University Grants Commission Assistance for the research project entitled Integrated Geoinvestigations by Professor V.L.S. Bhimasankaram and others.	1,08,000
University Grants Commission Assistance for the research project entitled 'Investigations into the effective refraction seismic by Dr. M.S. Vijaya Raghava, Centre of Exploration Geophysics, Osmania University, Hyderabad	48,600
UGC assistance for the research project entitled ' Investigation of processing techniques and development of software by Dr. S.V. Seshagiri Rao, Centre of Exploration Geophysics, Osmania University Hyderabad.	29,300
University Grants Commission Assistance for the research project entitled Mining Geological Studies of Mailarah Copper belts by Dr.N. Ramana Rao.	23,600
University Grants Commission Assistance for the Research Project Entitled ' Geochemical and petrological Investigation in the gold bearings and associated rocks of Ramagiris by Prof. Y.J. Rao	21,200
University Grants Commission Assistance for the research project entitled 'Investigations by bore hold version of Transient pulse induction method' by Prof. V.L.S. Bhimasankaram and Dr. I.B. Ram prasad Rao, Centre of Exploration Geophysics, Osmania Univ. Hyderabad.	93,000

OSMANIA UNIVERSITY

University Grants Commission Assistance for the research project entitled ' Structure tectonics Petrology and Geochemistry of Schistose rock formation of Andhra Pradesh by Prof. Y.J. Rao.	41,400
University Grants Commission Assistance for the research project entitled ' Beach evaluation in Nizampatnam Bay' by Dr. B.E. Vijyam, Department of Geology Osmania University.	50,000
University Grants Commission Assistance for the research project entitled ' Petrochemical Investigations of South Godavari Valley. by Dr. N. Ramana, Department of Geology, Osmania Univ.	28,600
University Grants Commission Assistance for the research project entitled ' The Photochemistry of purines and Nucleic acids' Dr. K. Sivarama Shastry, Reader in Bio-Chemistry, Osmania Univ.	19,600
Programme of Special Assistance to selected Departments - Department of Chemistry - Release of an account grant for 1976-77.	1,88,000
Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Science	6,000
Junior Research Fellowship in Sciences/ including Humanities including Social Sciences	1,500
-do-	1,500
-do-	1,500
-do-	2,919-35
-do-	5,422-58
-do-	5,422-58
-do-	2,741-94
-do-	5,074-19
-do-	5,074-19
-do-	5,319-33
-do-	4,241-94

OSMAINA UNIVERSITY CONTD.

Scholarship for P.G. Studies in Arabic		3,000
University Grants Commission Assistance for the research project entittled 'Studies on Electron Spin Resonance Spectra of some Transition Metal Ions of Dr. G.S. Sastry Department of Phusics, Osmania University, Hyderabad.		26,729
Programme of Special Assistance to selected départements Department of Economics - Statement of actual expenditure for the year 1974-75 and estimates for 1975-76 regarding.		1,25,000
Utilisation of services of outstanding retired teachers - Dr. P. Dirgataj		9,000
Release of grant for books	Ist	20,000
5th plan schemes - purchase of equip. books and journals	Ist	28,000
Release of grant for Lab. equipment furniture 5th plan period.	Ist	23,000
-do-	Ist	43,000
Construction of Library and Laboratory Building.	3rd	20,000
Construction of class rooms and lecture Theatre during 5th plan	Ist	65,000

AFFILIATED COLLEGES

C.Mm. Arts College, Warangal	Financial Assistance to teachers in the universities and colleges ofr research work	3,500
Sardar Patel College, Warangal	-do-	3,000
CKM Arts College, Warangal	-do-	5,500
V. V. College, Hyderabad	-do-	4,000
Women's college, Hyderabad	-do-	6,000
S. P. College, Hyderabad	-do-	4,000
, -do-	-do-	3,000

OSMANIA UNIVERSITY CONTD

AFFILIATED COLLEGES

Govt. City College, Hyderabad,	Financial Assistance to Teachers for research/learned work in Humanities and Social Sciences	2nd	1,000
M.A.L.D. Govt. Arts and Science College, Gadwal	Setting of book-Bank	2nd	3,250
St. F. C. college for Women, Secunderabad	-do-	2nd	3,250
V. V. College, Hyderabad	-do-	2nd	2,750
S. N. V. Mahavidyalaya, Hyderabad	-do-	2nd	2,350
Lal Bahadur college, Warangal	-do-	2nd	3,250
Sardar Patel college, Secunderabad	Students Aid Fund in the college		2,750
Dr. B. B. R. Govt. college, Jadcherla	-do-		449
A. M. R. Arts and Science college for Women, Hyderabad.	Grants to colleges for load of Books to students setting up of Book Bank		2,500
Total			17,37,794.10

64. PANJAB UNIVERSITY

Utilisation of services of Outstanding Retired Teachers	9,000
-do-	9,000
-do-	9,000
-do-	336-55
Financial Assistance to teachers in the universities and colleges for undertaking research work	3,500

PANJAB UNIVERSITY

Financial assistance to teachers for undertaking research/learned work in science	2,500
National Fellowship Award to Prof. S.V. Kessar, Deptt. of Chemistry - Regarding.	23,116-00
Award of Teacher Fellowship for one year to Shri Anil Malhotra, Lecturer in Economics at Doaba College, Jullundur City.	2,403-10
Award of Teacher Fellowship for one year to Shri Kishor Rahi, Lecturer in Economics at DAV college, Chandigarh.	1,000
Award of Teacher Fellowship for one year to Shri Baldev Kumar Sund, Lecturer in Economics at Government College for Men, Chandigarh	1,000
Award of Teacher Fellowship for one year to Shri Kulwinder Singh Sandhu, Lecturer in Economics at Government Rajinder College, Bhatinda	2,100-50
Purchase of Psychology Mobile van in collaboration with the Education Deptt.	15,000
Award of Teacher Fellowship for one year to Shri Amrik Singh Sandhu, Lecturer in Economics at G.M. College, Moga (Panjab)	2,437-35
Award of Teacher Fellowship for one year to Shri Raj Kumar, Lecturer in Economics at M.L.N. College, Yamuna Nagar.	2,655-67
Award of Teacher Fellowship for one year to Mrs. Kuldeep Kaur Tiwana, Lec. in Economics at SUS College, Sunam	2,312-89
Award of Teacher Fellowship for one year to Smt. Shashi Kanta, Lecturer, in Geography at Government college for Women, Chandigarh.	1,000
Award of Teacher Fellowship for one year to Mrs. Manjit Walia, Lectuer in Economics at Government college for Women, Chandigarh	1,000
Award of Teacher Fellowship for one year to Shri Ram Pal Dhankar, Lectuer in Geography at DAV college, Hassangarh	2,693-08
Construction nine teachers quarters	3,800

PANJAB UNIVERSITY CONTD.

Commonwealth Academic Staff Award to Dr. S.S. Nanda	Final 27,248-15
Development of Business Management Department grant for the purchase of equipment.	Final 1,500
Award of Teacher fellowship to Shri Iswar Dayal Singh Lecturer in the Deptt. of Education at Dayanand College of Education	2,387-10
Extension of Science Laboratories and Social Science Building.	1,00,000
Construction of Faculty Apartment houses.	2,50,000
Research Fellowship in Science	5,100
Programme of Special Assistance to Selected Departments of Deptt. of Chemistry	2,61,000
Organisation of Summer Institute in Political Science for college Teachers-1977	30,000
Organisation of the sixteenth annual conference of Indian Association for the advertisement of Medical Education on March 12 and 13, 1977	5,000
Award of Teacher Fellowship I year to Shri A.N. Bhadwal Lecturer in English at R.K. Arya College, Nawan Shahr Doaba, Jullundur	3,333-30
University Grants Commission Assistance for the research project entitled Development of Fluorine Chemistry of Professor R.C. and Dr. R.G. Verma Department of Chemistry	24,000
Appointment of German Language teacher Purchase of Air-Conditioner for German Language Teacher	8,673-50
Award of Postgraduate Scholarships of the value of Rs.400/- each to the students admitted during 1976-77 against approved intake in the faculty of engineering and Technology including Pharmacy	70,000
Programme of special Assistance to Selected Departments -- Department of Botany	1,80,000

PANJAB UNIVERSITY CONTD.

Grants for support to Research in the Universities during Fifth plan period	2nd	50,000
Award of Teacher fellowship for 10 months to Shri I.D. Sukhla Lecturer in English At GMN college, Ambala Cantt.		3,339-50
Organisation of Seminar/Symposia during 1977-78		9,000
Organisation of summer Institute in Economics for college teachers		25,000
Improvement of undergraduate education facilities during 5th plan		8,000

AFFILIATED COLLEGES

D.A.V. College, Chandigarh	Improvement of undergraduate educational facilities during 5th plan period.	18,000
Govt. college of Education, Chandigarh	Development of Teacher Training college, Purchase of books and journals.	2,000
Govt. college, Chandigarh	Students Aid Fund in the college	2,750
Khalsa college for Women, Sidhwan	--do--	1,000
DAV college of Education, Chandigarh	--do--	675
Master Tara Singh Memorial college for Women, Ludhiana	Grants towards the load of books to students - setting up of Book-Bank	2,800
--do--	Establishment of book-bank	1,875
B.S.B. college, Chandigarh	Establishment of book-bank	2,750
N.C.M.D.A.V. college for Women, Chandigarh	Establishment of book bank	2,813
Govt. college of Education, Chandigarh	--do--	1,875
DAV college, Jullundur	Utilisation of Services of Outstanding retired teachers	9,000

PANJAB UNIVERSITY CONTD.AFFILIATED COLLEGE S

Govt. college, Chandigarh.	Utilisation of services of outstanding retired teachers	9,000
Govt. college, Chandigarh	-do-	9,000
Panjab Engineering college, Chandigarh	Financial Assistance to teachers for undertaking research work in science.	7,500
-do-	-do-	6,000
Panjab Agricultural University, Ludhiana	Establishment of Students Aid Fund in universities-1976-77	15,000
-do-	-do-	2,500
	Total	<u>12,51,979.69</u>

65. PATNA UNIVERSITY

Organisation of Summer Instt. in Mathematics for college teachers during 1977	Ist	25,000
Appointment of Visiting Faculty in the Universities.	Ist	50,000
Scholarship for Post-graduate studies in Arabic		3,000
Organisation of summer Institute in Comparative Animal Physiology for college teachers 1977		30,000
Clarification regarding the utili- sation of grant for the year 1975-76 under the programme of Special Assistance to the Department of History.		25,000
Summer Institute on Labour Economic and Industrial Relations.		23,000

PATNA UNIVERSITY

Research Fellowship in Science	2,000
--do--	1,500
--do--	6,300
Award of Teacher Fellowship to Shri Dhaneshwar Singh, Lecturer in Maths at A.S. Colloge, Bikramganj	1,500
Award of Teacher Fellowship to Shri Prabhakar Choudhary, Lectuer In Maths at Kisan College, Sohsarai	1,500
Grant in aid towards the salary of staff appointed in Humanities	13,104
Organisation of Seminar/Symposia	4,000
Mother's centenary - organisation of Natin al confemce/ convention involving teachers of the college	2,000
Utilisation of services of outstanding retired teachers	6,000
--do--	9,000
--do--	9,000
Students Aid Fund	2,750
Total	2,14,654.

66POONA UNIVERSITY

Financial assistance to teachers for undertaking research/learned work in sience.	4,000
Utilisation of services of out- standing retired teachers	9,000
--do--	9,000
--do--	9,000
--do--	9,000
Organisation of Advance Summer School in Elecyrnics	25,000

POONA UNIVERSITY

Programme of special assistance to selected Departments - Department of Mathematics & Statistics	1,74,000
Support for Advanced Research in the Humanities and Social Sciences.	12,000
Appointment of visiting faculty in the Universities.	50,000
Summer Institute in Hindi Grammar as an Aid to correct Hindi.	12,000
Organisation of Summer Institute in Sociology for college teachers	25,000
Organisation of Summer Institute Improvement of Teaching of Modern Indian Language (Marathi)	2,500
Scholarship for Post Graduate studies in Persian	3,000
Salary of Additional Staff for the various department of Humanities and Social sciences during the V plan	2,70,000
-do- in Sciences	3,00,000
Grants for support of Research in the Universities during fifth plan	50,000
Programme for Special Assistance to selected departments - Department of Chemistry	2,95,000
Advance for travel grant to Dr. A.D. Agate for purchasing Air-Ticket for attending International Conference on Teaching to be held at Braunachweig West Germany.	5,000
Development of grant during 5th plan Purchase of books and journals.	5,000
Financial assistance for the Development of Museum and Audio Visual Aids in the universities.	15,000
Development of P.G. Studies in Science subjects during 5th plan Department of Botany	35,000

AFFILIATED COLLEGES

Dacan college, Poona.	Research Associateship in Science	2,400
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-12-

POONA UNIVERSITY CONTD.

AFFILIATED COLLEGES

M.J.college, Jalgaon	College Humanities and Social Sciences Development Programme	47,000
H.P.T.college, Nasik	College Science Improvement Prog. Selected colleges project.	1,00,000
M.J.College of Arts & Sc. Jalgaon	Utilisation of Services of Retired Teachers.	4,500
S.P.College, Poona	-do-	9,000
H.P.T.college, Nasik	-do-	9,000
Pratap college, Amalner	Financial Assistance to teachers in univer ities and colleges for undertaking research projects in Science.	2,550
B.J.Medical college, Poona	-do-	5,000
S.P.S. college, Sanganaur	-do-	2,000
A.G.college, Poona	-do-	3,500
P.V.P.college of Arts, Science and commerce, Shrirampur	Students aid fund	503
Faquir college of Arts and commerce, Poona.	-do-	770
N.W.college, Pune.	-do-	2,010
-do-	-do-	4,250
K.K.W.Arts Science and Commerce college, Paimpalgaon	-do-	700

Total: 15,2,683.50

67. PANJABI UNIVERSITY

Construction of Library Bldg.	1,666
Salaries of Staff appointed in Science and Humanity Social Science department.	4,00,000
Financial assistance towards the establishment of Research Centre in Physical Education.	83,392
Appointment of Visiting Faculty in the university.	50,000
Organisation of First General Conference of Punjabi University Political Science Lecturers Association during March, 1977	2,000
Construction of Botanical Garden and Tropical Plant House	25,000

AFFILIATED COLLEGES

D.A.V. college, Bhatinda	Development of undergraduate educational facilities during the fifth plan period.	10,000
-do-	Purchase of Books and Journals during fifth plan period.	4,000
Govt. S.U.S. college, Sauna	Payment of salary to Shri Jarnail Singh Lecturer in Economics appointed as a substitute in place of Miss K.K. Tiwana awarded a teacher fellowship	3,974
Rajindra Govt. college, Bhatinda	Payment of salary to Shri Gain Singh Lecturer in Economics appointed as a substitute in place of Shri Kulwind der Singh awarded a Teacher fellowships	2,436
Govt. college, Roper.	Students Aid Fund in the college	1,220
Govt. college for Women, Patiala	-do-	1,551
Mkal Degree college, Sastuna	-do-	642

Total: 5,85,881

68. RAJENDRA BHARATI UNIVERSITY

Allocation of grant for UGC Unit for 1976-77 - 5th p ln	6,000
Appointment of visiting faculty in the universities.	50,000
Grant in aid towards the purchase of library books & Journals Basic grant	20,000
Grant in aid towards the publication of approved research work	10,000
	<hr/>
Total:	86,000
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69. RAJENDRA AGRICULTURAL UNIVERSITY

Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Science.	1,300
-do-	1,300
-do-	2,500
-do-	5,009.68
-do-	6,000
-do-	3,300
-do-	3,000
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Total:	22,409.68
	<hr/>

70. Rajasthan university

Utilisation of services of outstanding retired teachers	9,000
-do-	9,000
-do-	9,000
Release of grant towards the purchase of Lab. equipment	25,000

RAJASTHAN UNIVERSITY CONTD.

Release of grant towards the purchase of Books and Journals in respect of University Commerce college, Jaipur	25,000
Organisation of National Conference on Mother's Centenary.	5,000
Salary of Additional staff for the various Departments of Sciences	1,91,000
Scheme of assistance for the publication of learned/Research work including Doctoral Theses during V plan period	30,000
Financial Assistance to Teachers for research/learned work in Humanities and Social Sciences.	1,000
Allocation of Unassigned grant during 1976-77	72,000.
Research fellowship in Science	507-19
Research facilities in Humanities	1,500
do	1,500
Organisation of the IV Annual Conference of the Rajasthan University	2,000
Financial Assistance to Teachers for research/learned work in Humanities and Social Sciences.	1,000
Construction of Building for the Instt. of correspondence courses.	2,00,000
Appointment of Visiting Faculty in the Universities.	50,000
Release of grant for the purchase of Books and Journals.	30,000
Release of grant for the purchase of equipments.	50,000
Development of Areas Studies Programme	20,000
Workshop for P.G. teachers in Accountancy and Business Statistic	2,000
Organisation of All India Seminar on Progress of Botany during last decade 1965-75	9,000
Collaboration research project 'Study of the interactions of 400 GeV/C protons with nuclear to be undertaken at Physics department of Panjab, Delhi, Rajasthan and Ja mmu University.	3,000

RAJASTHAN UNIVERSITY

Support for advanced research in the Humanities and Social Sc.	2,000
Organisation of the VIIth Rajasthan Sociological Conference at Raj Rishi College, Alwar.	2,000
Financial Assistance for the Development of Museum and Audio-Visual Aids in the Universities.	25,000
National Associateship Scheme	900
University Grants Commission Assistance for the research project entitled ' Search for new potential antimaterials by Dr. R.L. Mital, Reader in Chemistry Rajasthan University, Jaipur	10,200
Award of Teacher Fellowship to Smt. Shanti Sharma, Lecturer in Philosophy, B.V. college of Arts & Science, Banasthali.	2,630
Financial Assistance to teachers in the universities and colleges for undertaking research project in Science.	4,000
do	1,000
do	3,000
do	3,000
do	5,000
do	3,000
do	2,000
do	4,500
do	3,000
do	4,000
do	8,500
do	3,500
do	3,500
do	2,000
do	4,000
do	2,500
do	3,000
do	4,500
do	2,000
do	3,000
do	2,000

RAJASTHAN UNIVERSITYAFFILIATED COLLEGES

Chhattishgarh college, Raipur	Development of P.G. Studies in humanities and Social Sc.		7,388
S.D. college college, Alwar	Construction of library building	end	50,000
Raj Rishi college, Alwar	Development of Postgraduate studies	Ist	40,000
Govt. college, Kotputli	Release of grants towards the estension of laboratoreries	Ist	41,750
Shri M.L.V. Govt. college, Bhilwara	Development of postgraduate studies	Ist	104
M.S.H. College, Bharatpur	Construction of N.R.S.C, at the college	5th	10,000
K.M. Mahavidyalaya, Jaipur-	Grant towards the purchase of equip.	Ist	15,000
-do-	-do-	Ist	18,000
Govt. college, Shahpura	-do-	Ist	40,000
V. B. Govind Ram Udaipur	-do-	3rd	21,977-50
K.M. Mahavidyalaya, Jaipur	Grants to college libraries for loan of books to students (Book Bank)		4,500
S.D. College, Beawar	-do-		6,500
S.M. college, Jhunjhumun	-do-		4,500
Gyan Jyoti college, Karanpur	-do-		4,500
Adrash Degree college, Ajmer	-do-		4,500
Govt. Ayurvedic college, Jaipur.	-do-		5,625
K.M. Mahavidyalaya, Jaipur,	Students Aid Fund		995
B.T.T. college, Sardarshahr	-do-		750

RAJASTHAN UNIVERSITY CONTD.AFFILIATED COLLEGES CONTD.

J.D.N. Girls college, Kota (Rajasthan)	Students Aid Fund in Colleges	910
Govt. college, Shahpura	-do-	332
B.J.S. Jain college, Bikaner	-do-	2,436
Govt. college, Ajmer	-do-	5,000
R.V.D.V. college, Udaipur	-do-	676
S.D. Government college, Bikaner	Setting up of Book-Bank	3,748
Seth Motilal college, Jhunjhunu	-do-	3,250
Smt. Gomti Devi college, Baragan	-do-	1,500
RVVS college, Ajmer.	-do-	1,425
M.B. Engineering college, Jaipur.	Utilisation of Services of Outstanding Retired Teachers.	3,750
Regional college of Education	-do-	9,000
Govt. college, Ajmer	-do-	9,000
M.S.J. college, Bharatpur	-do-	9,000
Lal Bahadur Shastri college, Jaipur	-do-	9,000
Dungar college, Bikaner	-do-	9,000
Malviya Regional Engineering college, Jaipur	-do-	9,000
Adrash Degree college, Ajmer.	-do-	9,000
M.S.J. College, Bharatpur	-do-	2,000

Total: 12,24,346.5

71. RANCHI UNIVERSITY

Grant-in-aid towards the salary of additional staff appointed in Sciences Humanities and Social Sciences	2,00,000
Financial Assistance to Teachers for research/learned work in Humanities and Social Sciences	750
Utilisation of services of Outstanding Retired Teachers.	9,000
-do-	9,000
Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in science	4,550
Appointment of visiting faculty in the universities.	50,000
Allocation of unassigned grant for the year 1976-77	13,500
Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in science	1,200
-do-	3,000
Setting up of Book-Bank in colleges	1,500
Students Aid Fund in the colleges	1,000
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Total:	2,93,500

72. RAJESH SHANKAR UNIVERSITY

Salary of Additional staff for the various Departments of Science	1,63,000
National Associateship Scheme	1,500
Salary of additional staff for the various Departments of Humanities.	1,11,000
Appointment of Visiting Faculty in the Universities.	50,000
Grants for support of Research in the Universities during 5th plan	25,000
National Associateship Scheme	1,500
Financial Assistance for the purchase of laboratory equipment and library books during the 5th plan period.	25,000

RAVISHANKAR UNIVERSITY CONTD.AFFILIATED COLLEGES

Govt. Arts & Sc. college, Durg.	Financial Assistance to teachers in the universities and colleges for undertaking minor research project in Science.	3,100
Govt. Birla Degree college, Raipur	Financial Assistance for the purchase of Lab. equipment and library books during the 5th plan	10,000
Govt. college of Engineering & Technology, Raipur	Grants to college libraries for load of books to students (Book-Bajik)	8,000
I.C. Govt. college for Women, Rohtak	-do-	3,748-41
	Total:	<u>4,01,848.</u>

73. ROHTAK UNIVERSITY

Govt. college, Rohtak	Financial Assistance to teachers in the universities and colleges for undertaking minor research project in Science	2,000
	-do-	1,000
Medical college, Rohtak	M	4,000
-do-	-do-	5,000
	Total:	<u>12,000</u>

74. ROHILKHAND UNIVERSITYAFFILIATED COLLEGES

K. C. K. College, Moradabad.	Workshop on courses in theory and practical for B.Sc. and M.Sc. classes to be adopted by Rohilkhand University	5,000
Vardhman college, Bijnor	Utilisation of services of Outstanding retired teachers	9,000
S. B. D. Mahavidyalaya, Bijnor	Grants to affiliated colleges for the development of undergraduate educational facilities - Purchase of books and journals.	5,000
Hindu college, Moradabad.	Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in science.	2,750
-do-	-do-	2,000
-do-	-do-	3,000
-do-	Students Aid Fund	2,645
Total:		29,395

75. ROORKEE UNIVERSITY

Grant for meeting expenditure towards the salary of additional staff approved under fifth plan development scheme.	8,00,000
Research fellowship in Humanities	2,000
-do-	1,500
-do-	4,919-35
Organisation of Summer Institute in Partial Differential equations for college Teachers.	28,000
Financial assistance to the school of Research & Training in Earthquake Engg.	1,57,000

ROORKEE UNIVERSITY

Financial Assistance to the school of Research & Training in Earthquake Engg.	3,48,000
Financial assistance to teachers in the Universities and colleges for undertaking minor research projects in Science.	9,000
do	2,500
Summer Institute in Recent Trends in Surface and Groundwater Hydrology for college teachers during 1977	15,000
do	14,000
Award of Postgraduate Scholarships of the Value of Rs.400/- p.m. to the Students admitted during 1976-77 against approved intake in the faculty of engineering and technology including Pharmacy.	4,50,000
Grants for support of Research in the Universities during fifth plan period.	50,000
Appointment of visiting faculty in the universities.	50,000
Organisation of all India Short-term Institute	30,000
Total	<u>19,61,919.3</u>

76. SAMBALPUR UNIVERSITY

Seminar on Educational Thoughts of Sri Aurbindo.	6,000
Grant in aid towards the consturction of 3rd Men's Hostel	40,000
Allocation of grant for UGC Unit.	6,000
Award of Postgraduate scholarship	20,000
Organisation of Summer Institute in Mathematics for college Teachers	30,000
Appointment of visiting faculty in the universities.	50,000
Organisation of Seminar on Froblems of Development of the Tribal community of Orissa.	6,500
Financial Assitance to Teachers for Res. work.	7,000

SAMBALPUR UNIVERSITY CONTD.AFFILIATED COLLEGES

Anchal College, Sambalpur	Financial Assistance to teachers of Research Work	1,200
Women's college, Balangir	Setting up of Book-Bank	4,500
Govt. college, Sundergarh	-do-	3,250
Dayanand Anglo-Vedic College, Titilagarh	-do-	6,000
Rourkela Evening College, Rourkela	Purchase of Books & Journals during IV plan period on 100% basis.	1,125
D.A.V. college, Koraput	Payment of salary to Smt. Salila Mishra Lectuer in Mathematics appointed as a substitute in place of Shri Deepak Kumar Ram	1,219-35
Total:		1,82,794.35

77. SAMPURMANAND SANSKRIT UISHVIDAYALAYA

Utilisation of services of outstanding reitred teachers	9,000
Scholarship for Post graduate studies in Sanskrit	3,000
Scholarship for P.G. Studies in Sanskrit	3,000
UTILISATION OF SERVICES OF OUTSTANDING retired teachers	9,000
Grant for the publication of Descriptive Catalogue	1,00,000
Appointment of visiting faculty in the universities.	50,000
Research fellowship	1,500
Salary of staff approved during the Vth plan	2,50,000
Total:	4,25,500

78. UNIVERSITY OF SAUGAR

Department of Geology - University of Saugar, Release of recurring grant in respect of Junior Research Fellowships	2,259-68
Award of Teacher Fellowship to Shri B.D. Gupta, Lectuerer in Zoology, Govt. college, Tikamgarh.	1,661-29
Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Science.	3,000
-do-	4,700
Construction of extension of the Pharmacy building - Development of Post graduate course in Engg. & Technology.	30,000
Utilisation of services of outstanding retired teachers .	9,000
-do-	9,000
Appointment of visiting Faculty in the universities.	50,000
Award of Postgraduate scholarship of the value of Rs. 400/-p.m. to the students admitted during 1976-77 against approved intakes in the faculty of Engineering and Technology including Pharmacy.	70,000
Research fellowships in Sciences including Social Sciences Research fellowships in Engineering and Technology.	1,500
-do-	1,500
-do-	1,000
-do-	4,742-86
Award of Teacher Fellowship to Shri Arun Kumar Lecturer in Chemistry at D.V.(P.G.) college, Orai.	1,669-35
Junior Research Fellowships in Sciences/ Humanities including Social Sciences/Res. Fellowships	3,000
Financial Assistance for the purchase of Laboratory Equipment and library books under the Vth plan Development Programme.	10,000

AFFILIATED COLLEGES

Govt. Degree college, Narsinhapur	Development of grant under 5 lakh scheme	25,000
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SAUGAR UNIVERSITY CONTD.AFFILIATED COLLEGES CONTD.

Govt. Home Science college, Narshangabad.	Financial Assistance for the development of Post-graduate studies during 5th plan	18,000
J.H.Govt. Degree college, Betul	Development of under-graduate facilities during the Vth plan period.	80,000
Govt. Degree college, Narshimapur	Financial Assistance for the development of under-graduate facilities during the Vth plan period.	80,000
Govt. Post-graduate college, Betul	Financial Assistance to teachers in the universities for undertaking minor research projects in Science.	3,000
Govt. P.G.college, Balaghat	Financial assistance to affiliated* colleges for the expansion of Book-Bank	4,000
K.N.Mahila college, Oamoh	Students Aid Fund	492

Total: 4,10,525.18

79. SAURASHTRA UNIVERSITY

Salary of Additional Staff for the various Department of Humanities	2,00,000
Salary of Additional Staff for the various Departments of Science.	1,85,000
Appointment of Visiting Faculty in the Universities.	50,000
Utilisation of services of Outstanding retired teachers.	9,000
Summer Institute in Statistical Methods for college teachers.	9,000

p.t.o.

SAURASHTRA UNIVERSITY CONTD.

Organisation of Summer Institute in Methodology in Sociology for college Teachers 1977.	10,000
Grants for support of Research in the universities during fifth plan	20,000

AFFILIATED COLLEGES

L.K. College, Morvi.	Students Aid fund in the colleges	2,732
Kamani science college and Prataprai Arts college, Amrali	College Humanities and Social Sciences improvement programme	40,000
Lakhdhiri Eng. college, Morvi	Utilisation of services of outstanding retired teachers.	9,000
Matushri Virbairadma Mahila college, Rajkot.	Scholarship for P.G. studies in Sanskrit 1976-77.	3,000
B.G. Arts and A.M.D. Law college, Rajkot	Establishment of Book-Bank	502
V.D.K. Arts college & M.R.S. Commerce college, Savarkunla	Financial Assistance to affiliated colleges for the expansion of Book-Bank	5,000
Shri M.P.S.M. college, Jamnagar	Students Aid Fund	2,856
Shri Somnath college, Veraval	Students Aid Fund in the college	2,250
Shri V.D.K. Arts and Shri N.R.E. commerce college, Sambalpur	-do-	1,000

Total: 5,49,340

SARDAR PATEL UNIVERSITY

Salary of Additional Staff for the various Departments of Sciences.	4,00,000
Organisation of Summer Institute in Economics for college teachers	14,000
Salary of Additional staff for the various departments of Humanities	3,90,000
Grants for support of Research in the Universities during 5th plan period	50,000
Establishment of computer centre - Release of grant for the purpose.	90,000
Establishment of Examination Reform Unit - Sanction of grant for	7,350
Appointment of visiting faculty in the universities.	50,000
Establishment of computer centre - Release of grant.	17,478.35
Establishment of computer centre - Release of grant for the period 1.12.1976 to 30.11.1977	60,000
Organisation of Summer Institute in Techniques in Crystal Research for college Teachers - 1977	13,000
Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Sciences.	3,000
University Grants Commission Assistance for the Research Project entitled 'Laevulinic Acid from Sucrose and Hovaldiamine from Laevulinic Acid' of Dr. R.D. Patel, P.G. Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar (Gujarat) Fifth Five year plan period.	14,000

AFFILIATED COLLEGES

B. V. Mahavidyalaya, Vallore	Students Aid Fund in the colleges	1,513
B. J. V. Mahavidyalaya, Vallabh Vidyanagar	-do-	1,792
Anand Arts college, Anand	Establishment of Book-Bank	3,000

Total: 11,15,133.35

80. S.N.D.T. WOMEN'S UNIVERSITY

Refresher Course for Histry Teachers of the Degree Classes to improved their competency as teachers.	3,500
Organisation of Summer Institute in Educational Technology.	28,000
Appointment of visiting faculty in the universities.	50,000
Utilisation of services of outstanding retired teachers.	9,000
National Associateship Scheme	1,000
Construction of composite Building.	25,00,000
Total:	<u>25,91,500</u>

81. SHIVAJI UNIVERSITY

Appointment of visiting faculty in the universities.	50,000
Seminar on Ideas and Institutions in Medieval Maharashtra	7,000
All India Seminar on State's Taxation in the Indian Federation during 1977-78	5,000
Salary of additional staff for the various departments of sciences approved during 5th five year plan	1,60,000
Salary of Additional staff for the various Departments of Humanities and Social Sciences during the 5th plan period.	90,000

AFFILIATED COLLEGES

Raja Ram college, Kolhapur	Research Fellowship in Sciences/Humanities including social sciences.	5,254-84
Dr. V.M. Medical college, Solhapur	Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Sciences.	5,000

SHIVAJI UNIVERSITY CONTD.AFFILIATED COLLEGES CONTD.

Willingdon college, Sangli	Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Science	4,000
S.S. Mahavidyalaya, Kolhapur	-do-	3,500
D.H.F.D, college of Arts and Science, Sholapur	-do-	9,250
Walchand college of Engineering, Sangli	-do-	6,000
Rajaram college, Kolhapur	-do-	5,000
Solapur college of Education, Sholapur	Students Aid fund in the colleges	314
Arts and commerce college, Madha	-do-	500
Sangameshwar college, Solhapur	-do-	3,605
Shantiniketan Mahavidyalaya, Sahdol	Establishment of Book-Bank	3,250
Smt. K. Walchand college of arts and science, Sangali	-do-	3,250
Willingdon college, Sangli	-do-	3,000
College of Engineering, Karda	Grants to colleges Libraries for loan of Books to students.	8,000
Sholapur college of Commerce, Sholapur	-do-	6,000
Devchand college, Arjun Nagar	-do-	3,000
D.F. college, Sholapur	-do-	3,000
Total.		3,83,924.84

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82. SOUTH GUJARAT UNIVERSITY

Grants for support of Research in the universities during fifth plan period.	25,000
Salary of Additional staff for the various Departments of Sciences.	3,70,000
Salary of Additional Staff for the various Departments of Humanities.	2,10,000
Institution of MB.A. course	10,000
-do-	20,000
Appointment of visiting faculty in the universities.	50,000

AFFILIATED COLLEGES

S.K. college, Bulsar	Financial Assistance to Teachers for research/learned work in Humanities and Social Sciences	1,000
S.D.Sarda college, of arts and P.K. Patel college of Commerce, Maurvi	-do-	750
M.S.K. college of Commerce, Bharach	Students Aid Fund in the colleges	1,125
M.T.B. Arts college, Surat	-do-	1,835
Total:		<u>6,897.10</u>

83. SRI VENKATESWARA UNIVERSITY

Utilisation of services of Outstanding Retired teachers	9,000
University Grants Commission Assistance for the research project.	2,200

p.t.o.

SRI VENKATESWARA UNIVERSITY CONTD.

Award of Teacher fellowship to Shri A.S. Raja Rao Lectuer in Commerce, S.D.G.S. college.	2,379-03
S.V.U college of Engg. development of under-graduate courses in Electronics Engg.	5,000
Grants to Universities for development of Teacher education and Research during 5th plan	3,620-22
Award of Teacher fellowship to Miss P. Vatsala Lectuer in English	1,000
Construction of Central Instrumentation and services Laboratory - 5th plan period	35,000
Construction of Animal House for Deptt. of Zoology	35,000
Construction of Women Students Hostels	80,000.
Junior Res. Fellowships in Sciences	5,022-58
Research feloships in Sciences.	2,000
Research fellowships in Sciences.	1,500.
-do-	4,919-35
Award of Postgraduate scholarships of the value of Rs. 200/-p.m. to the students admitted during 1976-77 against approved intake in the faculty of engineering and technology including pharmacy.	70,000
Grant in aid for the appointment of visiting Professor/Visiting appointments during the plan period.	65,000
Organisation of seminar on the Idea of Nationalism in Independent India.	8,000
Holding a Symposium on Structural Trends in Peninsular India.	12,000
Grant-in-aid for the purchase of equipment for Science and Humanities departments during the fifth five year plan period.	4,01,000
Organisation of All India Symposium on the Geography of Draught Prone Areas of India.	8,000
-do-	16,000

SRI VENKATESWARA UNIVERSITY CONTD.AFFILIATED COLLEGES

Jawahar Bharati Kavali	Extension of library Building	30,000
Post-graduate Anantapur	Assistance towards seven fellowships approved by the Commission.	35,000
S.S. Arts and Science college, Anantpur	5th plan Scheme purchase of books	5,000
Postgraduate centre, Anantpur	Construction of building for legal studies commerce and Economics compartment	75,000
-do-	-do-	1,00,000
S.S. Arts and Sc. college, Anantpur	Purchase of equipment	20,000
Postgraduate Centre Anantpur	Construction of Central Workshop	50,000
-do-	Construction of 32 Men's Students Hostel against the sanction of 30	50,000
-do-	Appointment of Additional staff during Vth plan in Science and Humanities faculties.	2,50,000
-do-	Construction of Women's Hostel	50,000
S.M.R. Govt. college, Guhur	Financial Assistance to teachers in the universities and colleges for undertaking minor research in science.	5,000
-do-	-do-	4,500
-do-	-do-	2,500
Silver Jubilee college, Kumool	-do-	5,000
-do-	-do-	5,500
		£
	Total	<u>14,54,141.18</u>

84. UNIVERSITY OF AGRICULTURAL SCIENCES

Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Science.	2,700
-do-	9,500
-do-	2,700
-do-	3,000
Total:	<u>17,900</u>

85. UDAIPIUR UNIVERSITY

Financial Assistance to Teachers for research/learned work in Humanities and Social Sciences.	2,000
Research Fellowships in Sciences.	5,036-48
Organisation of Seminar/Symposia during 1977-78	6,000
Workshop on 'The Technique of Editing Old Manuscripts	12,000
Appointment of Visiting Faculty in the Universities.	50,000
Summer Institute in Theory and Practice of Public Administration.	9,000
Publication of Research Works including Doctoral Theses	20,000
Scholarship for Post graduate studies in Sanskrit	3,000
Organisation of Seminar/Symposium during 1977-78	11,000
Financial Assistance to Teachers for research/learned work in Humanities and Social Sciences.	1,000
Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Science.	2,500
-do-	4,500

UDAIPUR UNIVERSITY CONTD.

Financial Assistance to teachers in the Universities and colleges for undertaking minor research projects in Science.	4,500
-do-	2,500
Students Aid Fund	400

Total: 1,35,457.48

86. UTKAL UNIVERSITY

Grant-in-aid towards the construction of Animal House for Post-graduate department of Psychology	4,811.79
Appointment of Visiting Faculty in the universities.	50,000
Res. fellowships in Sciences.	1,493.55
Financial Assistance to teachers in the universities and colleges for undertaking minor research projects in Sciences.	4,000
Award of Teacher Fellowship.	1,650

AFFILIATED COLLEGES

S.C.S. college, Puri.	Grant for purchase of library books and journals during 5th plan	25,000
-do-	Grant for the Animal House	4,000
-do-	Grants for purchase of Laboratory equipment during 5th plan	30,000
-do-	Grant for purchase of work shop equipment	6,000
Ravenshaw college, Cuttack	Financial Assistance to teachers in the universities and colleges for undertaking research work in science.	3,000
-do-		2,500

UTKAL UNIVERSITY CONTD.AFFILIATED COLLEGES CONTD.

M.P.C. colleges, Baripada	Financial assistance to teachers in the universities and colleges for undertaking minor research projects in sciences.	2,500
Karanjia college,	-do-	2,500
Karanjia	-do-	2,500
Ravanshaw college, Cuttack	-do-	8,500
-do-	-do-	5,000
B.J.B. college, Bhubneswar	-do-	4,700
Regional college of Engg. Bhubneswar	-do-	
Salipur college, Salipur	Grant for construction of Workshop	35,000
-do-	Grant for purchase of laboratory equipment	20,000
-do-	Purchase of Books and Journals	10,000
Ravenshaw college, Cuttack.	Award of Teacher Fellowship	1,419-64
Regional college of Education, Bhubneswar	Utilisation of services of outstanding retired teachers.	7,500
Ravenshaw college, cuttack	-do-	16,982-14
Ravenshaw college, Cuttack	-do-	9,000
K.C.B. college, Furi	Grant for setting up of book bank	4,000
-do	-do-	3,250
Fakir Mohan college, Balasore	-do-	3,250
, -do-	Students Aid Fund	2,172
M.P.C. college, Baripada	-do-	2,152
Total		2,72,881.12

87. Vikram University:

Scholarship for P.G. Studies in Sanskrit/Pali/Prakrti-1976-77	3,000
National Associateship Scheme	1,395.34
Appointment of Visiting Faculty in the Universities.	Ist 50,000
Purchase of Books & Journals during the Vth Plan Period.	3,00,000

Affiliated Colleges:

Madhav Vigyan Mahavidyalaya Ujjain.	Development of Post-graduate studies in Science/subjects during the Vth plan period.	1,00,000
Govt. Girls College Ujjain	Financial assistance to teachers in the universities and colleges for undertaking minor research projects.	3,000
Govt. College Ratlam	-do-	3,000
Govt. College Agar-malwa	Book Bank	2nd 3,249.10
Govt. College Jadra	Development grant under 5 lakh scheme	Ist 50,000
Govt. College Rampura	-do-	30,000
Govt. College Khardone	-do-	Ist 18,000
Nehru Govt. College Agar-Malva	-do-	Ist 30,000
Govt. College Khargone	-do-	Ist 30,000
Govt. Girls College Ujjain.	-do-	Ist 40,000
Govt. College Rajgarh	-do-	Ist 20,000
Govt. College Barwani	-do-	Ist 25,000
Govt. College Neemuch	-do-	Ist 45,000

7,51,644.44

88. Viswa Bharati University:

- 147 -

S/JRFs. in Science/Humanities including Social Sciences/ Research Fellowships in Engg. & Tech.		5,074.19
Assistance for the research project entitled 'Studies of the insecticidal and synergistic and synergistic activities of some carbazole derivatives and their degraded products'.		7,800
Assistance for the research project entitled 'Evaluation of Physical and Biochemical responses of fish chronically exposed to low levels of interacting thermal and pollutional stresses with reference to Tamla Nullah and Damodar River'		24,800
Appointment of Visiting Faculty in the universities.		50,000
UGC Assistance for the research project entitled 'Chemistry of some medicinal plants.'		7,800
Utilisation of services of outstanding retired teachers.		9,000
Grant-in-aid towards the Visiting fellowships.		50,000
National Associateship Scheme		900
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		1,55,374.19
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Institution deemed to be University:Birla Instt. of Tech. & Science:

Grants for support of Research in the Universities during 5th plan period.	2nd	50,000
Award of postgraduate scholarships of the value of Rs. 400/- p.m. to the students admitted during 76-77 against approved intake in the Faculty of Engg. and Technology.		2,25,000
Appointment of Visiting faculty in the universities.	Ist	50,000

Birla Instt. of Technology & Science: (Contd.):

Ad-hoc grant for the purchase
of library books & journals
during the 5th Five Year Plan
Period. 2,00,000

-do- 5,00,000

10,25,000

2. Central Instt. of English & Foreign Languages:

Unassigned grant for the year 2nd 7,500
1976-77

Award of Teacher Fellowship to Prof.
P.N. Paranjpe, Lecturer in
English, Ramnarain Ruia College
Bombay. 3,104.84

Appointment of Visiting faculty
in the universities. Ist 50,000

60,604

3. Gurukul Kangri Vishwavidyalaya:

RFs in Humanities including
Social Sciences. 4,800

4,800

4. Gujarat Vidyapith:

Grants for support of research 2nd 25,000
in the universities during 5th
plan period.

Basic grant for library Books
& Journals. 2,50,000

Appointment of Visiting faculty
in the universities. Ist 50,000

Allocation of unassigned grant
during 1974-75 1,200

3,26,200

5. Indian Institute of Science:

Research Fellowships in Engg. & Tech.		3,233.33
Research Fellowships in Science.		1,722.58
S/JRFs in Sciences/Humanities including Social Sciences/Research Fellowships in Engg. & Tech.		4,300
JRFs in Sciences.		1,500
S/JRFs in Sciences/Humanities including Social Sciences/Research Fellowships in Engg. & Tech.		1,500
Research Fellowships in Engg. & Tech.		1,165
S/JRFs in Sciences/Humanities including Social Sciences/Research Fellowships in Engg. & Tech.		1,500
Research Fellowships in Engg. & Tech.		3,233-33
-do-		3,000
Grants for support of research in the universities during Fifth Plan period.	2nd	50,000
Programme of special assistance to selected departments.		6,35,000
Financial assistance to teachers in the universities and colleges for undertaking minor research projects in Science.		10,000
Payment of grant for the purchase of equipment for the development of Engg. & Tech. during V plan period.		43,00,000
Utilisation of services of out-standing retired teachers.		9,000

49,25,154.24

6. Indian School of Mines:

Vth plan posts		2,50,000
Construction of one block of ten rooms	Ist	1,50,000
Construction of Bus Garage	Ist	1,00,000

15

Indian School of Mines (Contd.)

Appointment of Visiting Professors in the universities,	Ist	34,000
Construction of New Mineral Dressing Laboratory	Ist	6,00,000
Grants for support of Research in the universities during Fifth Plan period	2nd	25,000
Establishment of students Aid Fund		242
Payment of grant for the purchase of equipments for the development of Engg. & Tech.		10,00,000
Vth Plan grants for Research contingencies & field work.	Ist	65,000
P.G. Scholarships during Vth Plan.		60,000
Organisation of Summer Instt. in Geology for college teachers-1977		12,000
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		22,96,242

7. Jamia Millia Islamia:

Development schemes during IV Plan		10,000
Scholarship for Postgraduate studies in Arabic/Persian, 1976-77		3,000
Grants for support of research in the Universities during Fifth Plan Period	2nd	25,000
Release of grants towards repro-graphic scheme	Ist	50,000
Release of grants towards Miss Items Furniture	Ist	50,000
Appointment of Visiting Faculty in the universities.	Ist	50,000
		<hr/>
		1,88,000

8. Tata Institute of Social Sciences:

Grants for support of research in the Universities during 5th Plan period.	2nd	25,000
Unassigned grant and grant for UGC Unit		13,500

Tata Institute of Social Sciences (Contd.)

Utilisation of services of outstanding retired teachers.		9,000
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Appointment of Visiting Faculty in the universities	Ist	50,000
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Purchase of library books & journals during the Vth Plan period.		1,00,000
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1,97,500

Indian Institute of Technology:

Organisation of All Indian Short-term Institute (Summer Institute in Physics (Electronics-I) 1977		30,000
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30,000

National Physical Laboratory:

JRFs in Sciences		5,383.
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5,383

Tata Institute of Fundamental Research, Bombay:

Organisation of All India Short-term Institute (Summer Institute) in Physics (Quantum Mechanics) 1971		30,000
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30,000

NON-PLAN

Total Plan

8,56,45,412.20

Aligarh Muslim University:

Central Universities-Maintenance (Block) Grant for 1977-78	Ist	48,12,000
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48,12,000

2. Banaras Hindu University:

Central Universities-Maintenance (Block) Grant for 1977-78 Ist 61,90,000

61,90,000

3. University of Delhi:

Central Universities-Maintenance Grant for 1977-78 Ist 31,51,000

Affiliated Colleges:

Hindu College Delhi Delhi University Constituent Colleges-Grant for Hostel Mess Staff for 1975-77. 4th 18,000

Delhi School of Social Work, Delhi. -do- 4th 4,800

Khalsa College New Delhi Delhi University Constituent Maintenance Grant for 1977-78 Ist 1,99,000

Satyati Co-educational college Delhi. -do- Ist 1,67,000

Zakir Hussain College New Delhi -do- Ist 1,56,000

-do- (day classes) -do- Ist 8,50,000

Lady Irvin College New Delhi -do- Ist 5,38,000

Lady Shri Ram College for women -do- Ist 7,08,000

Deshbandhu College New Delhi -do- Ist 5,10,000

Janki Devi Mahavidyalaya New Delhi -do- Ist 6,23,000

Delhi University (Contd.)

Affiliated Colleges:

Dyal Singh College (Day classes) New Delhi.	Delhi University constituent Maintenance grant for 1977-78	Ist	6,58,000
Deshbandhu College (Evening classes) New Delhi	-do-	Ist	3,70,000
Delhi School of Social Work; New Delhi	-do-	Ist	1,95,000
Shyam Lal College (day classes) Shahdara Delhi	-do-	Ist	5,39,000
Moti Lal Nehru College New Delhi	-do-	Ist	6,24,000
Lakshmi Bai College Delhi	-do-	Ist	6,16,000
Rajdhani College New Delhi	-do-	Ist	8,64,000
Moti Lal Nehru College (Evening) New Delhi	-do-	Ist	3,31,000
Bhagat Singh College (Day classes) New Delhi	-do-	Ist	5,54,000
Institute of Home Sciences New Delhi	-do-	Ist	2,84,000

Delhi University (Contd.)

- 194 -

Affiliated Colleges:

Shyam Lal College (Evening classes) New Delhi	Delhi University Constituent Maintenance grant for 1977-78	Ist	1,98,000
Shyam Prasad Mukherji College for Women New Delhi	-do-	Ist	4,46,000
Salwan College New Delhi	-do-	Ist	2,65,000
Vivekanand Mahila College New Delhi	-do-	Ist	3,11,000
Shivaji College New Delhi	-do-	Ist	1,05,000
Kalindi College New Delhi	-do-	Ist	4,82,000
St. Stephen's College Delhi	-do-	4th	4,82,000
Zakir Hussain College (Evening classes) Delhi	-do-	Ist	3,88,000
Shri Ram College of Commerce Delhi	-do-	Ist	5,10,000
Dyal Singh College (Evening classes) New Delhi	-do-	Ist	2,53,000
Ram Lal Anand College (Evening classes) New Delhi.	-do-	Ist	67,000

Delhi University (Contd.)

Affiliated Colleges:

Jasue & Marry Delhi University Constituent College, New Colleges-Maintenance Grant Delhi. for 1976-77	Ist 1,00,000
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1,55,36,800

4. Jawaharlal Nehru University:

Central Universities-Maintenance (Block) grant for 1977-78	Ist 14,24,000
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14,24,000

5. Visva-Bharati:

Central Universities-Maintenance (Block) Grant for 1977-78	Ist 12,52,000
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12,52,000

6. Institution Deemed to be University:

Indian Instt. of Science:

Payment of maintenance grant to Indian Institute of Science.	Ist 20,00,000
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20,00,000

7- Indian School of Mines:

Payment of Block grant during 1977-78	Ist 6,00,000
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6,00,000

8. Jamia Millia Islamia:

Payment of maintenance grant for the year 1977-78	Ist 3,20,000
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3,20,000

Total Non-plan

3,21,34,800.00

Total Plan + Non-plan

11,77,80,212.25

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting :
Dated : 18th April, 1977.

Item No. 4 : To receive a statement showing expenditure incurred by the University Grants Commission during the year 1976-77 (Upto 31.3.1977). -----

<u>Section I - Non Project</u>	<u>Budget Estimates 1976-77 (Rs. in lakhs)</u>	<u>Provisional expenditure upto 31.3.1977 (Rs. in lacs)</u>
A. Administration Charges	68.31	66.66 } 68.71
	(Advances net)	2.05 }
B. <u>Block Grants</u>		
i) Grants to Central Univ.	1950.00	1950.00
ii) Grants to Instt. deemed to be universities.	346.40	346.40
iii) Grants to state Univ. for specific purposes.	£ 20.50	20.50
	9.00	7.00
C. Maintenance grant to Delhi Colleges.	825.00	£ 878.09
D. Grants not covered under Block Grant Health Service Scheme.	1.00	1.00
	<u>3199.71</u>	<u>3271.70</u>
Total Sec. I	20.50	*31.36

Budget estimates 1976-77

<u>Section II- Plan Projects</u>		
A. Grants to Central & State Universities for Humanities.	580.00	559.02
		*0.10
B. Grants to Central & State Universities for science	1170.00	1148.09
C. Grants to Central & State Universities for Engineering	516.10	*3.51
		515.94
		*0.10
	@ 100.00	61.90
	* 20.00	-
D. Grants to constituent/affiliated Colleges.	362.00	333.71
		* 0.60
E. Grants to Central & State Universities for Misc. Schemes	1224.45	1180.21
		*0.84
	£ 19.65	19.65
F. Misc. expenditure	31.30	31.28
	<u>3983.85</u>	<u>3319.80</u>
Total Section -II :	39.65	*5.15
Total Section I & II :	7133.55	7121.50
	60.15	36.51

@ Rs. 100.00 lacs has provided by the Deptt. of Coal during the year 1976-77.

££ Rs. 20.50 lacs (under Non-Plan) & Rs. 19.65 lacs (under Plan) allocated by M/Edn. & S.W. for C.I.E.F.L., Hyderabad for the year 1976-77.

* Rs. 20.00 lacs sanctioned by Deptt. of Coal for B.H.U. (Mining & Engg) for 1976-77.

£ Regarding excess expenditure of Rs. 53.09 lakh, the matter has already been taken up with the M/Edn. & S.W. and the Min. has advised to approach them for regularisation on the basis of actual expenditure on this account.

• Excess expenditure has been met out of the Misc. receipts of Non-Plan.

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

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SCHEME UNDER OPERATION BY THE COMMISSION

A. Out of Grants received from Ministry of Education & Social Welfare.

i)	Evaluation of Books	4,250
ii)	Fellow for Writing of Books	4,69,862
		@ 74,659
iii)	National Award of Prizes	@ 22,899
iv)	National Service Scheme	2,70,727
v)	National Sports Organisation Programme (Continuing Scheme)	* 223
a)	Construction of Gymnasium	4,27,785
b)	Play fields	1,05,728

B. Out of grant from N.C.E.R.T.

National Survey on Higher Education	1,29,588
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C. Out of grant from Gandhi Samarak Nidhi

i)	Construction of Gandhi Bhavan in Universities.	-
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D. Out of Interest received on Endowment Funds.

i)	Hari Om Ashram Trust Endowment Fund	
a)	Science	-
b)	Life Science	-
ii)	Dr. Zakir Hussain Memorial Lectures	3,884
iii)	Shri Aurbindo Memorial Lectures	-
iv)	Ram Charit Manas	-

Total section III: 15,09,382
* 223

Total Section I, II & III : 7136.59 (Rs. in lakh)
* 36.51

Section IV Deposits & Advances.

i)	Conveyance Advance	22,185
ii)	Festival Advance	14,400
iii)	House Building Advance	3,22,592
iv)	Fan Advance	100
v)	UGC Deptt. Canteen	14,600
vi)	UNESCO Coupans	3,01,000

Total Section IV: 6,74,877

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Expenditure during 1975-76 upto 31.3.1976 was as under :

	(Rupees in lakhs)
Section I Non-Plan Project	2281.64
Section II Plan Projects	2847.89
=	
Total Section I&II	5829.53

* Administration charges

* By adjustment.

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Confidential

UNIVERSITY GRANTS COMMISSION

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Meeting :

Dated : 18th April, 1977

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Item No.5 : To receive a statement indicating the progress of issue of utilisation certificates during the period ending 31st March, 1977.

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The Commission desired (Resolution No.5) dated the 12th May, 1975 that it should be kept informed of the progress of clearance of utilisation certificates after two months bringing the statement upto date i.e. upto 1973-74. The statement showing clearance of Plan and Non-Plan items for the period ending 31st March, 1977 is given in Annexure. *

*p 2

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OUTSTANDING UTILISATION CERTIFICATEPLAN

Amount in lakhs of Rs

Year to which pertains	Outstanding as on 1.2.1977		Outstanding as on 1.4.1977	
	No. of Items	Amount	No. of Items	Amount
1958-59	72	24.87	67	22.63
1959-60	107	28.48	99	25.81
1960-61	225	33.79	214	33.51
1961-62	391	96.43	359	87.51
1962-63	891	128.14	866	126.05
1963-64	1174	204.35	1146	200.73
1964-65	1773	206.40	1761	205.45
1965-66	2121	263.68	2112	262.18
1966-67	1953	270.75	1944	269.26
1967-68	2780	358.34	2770	357.48
1968-69	8320	376.92	3309	376.06
1969-70	5083	328.23	5073	325.65
1970-71	6248	959.39	6198	952.58
1971-72	7240	1130.94	7177	1120.93
1972-73	5584	1345.55	5526	1317.91
1973-74	4824	1152.64	4767	1120.86
Total	43786	6908.90	43388	6804.60

£

Item cleared = 398

Amount cleared = Rs.104.30 lakhs

Non-Plan

Amount in lakhs of Rs.

Year to which pertains	Outstanding as on 1.2.77		Amount outstanding as on 1.4.77	
	No. of Item	Amount	No. of Items	Amount
1969-70	1	.80	1	.80
1970-71	-	-	-	-
1971-72	43	227.64	6	9.00
1972-73	31	334.16	30	322.72
1973-74	61	760.61	56	463.43
Total	136	1323.21	93	795.95

Item cleared = 43

Amount cleared = Rs.527.26 lakhs.

Confidential

University Grants Commission

3

Meeting :
Dated : 18th April, 1977.

Item No. 6: To consider the report of the Committee appointed to work out the details for providing facilities for studies in Marine Sciences in PG Centre, Goa.

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The Commission at its meeting held on 19th July, 1976 accepted the recommendations of the Committee for the Development of the Postgraduate Centre, Goa during Fifth Plan. In this connection the Commission desired that a Committee be appointed to work-out the details for providing facilities for studies in Marine Sciences in Goa in collaboration with the National Institute of Oceanography, Goa.

p 5-8 The Committee was accordingly appointed, which visited Goa on the 9th February, 1977. The report of the Committee is attached as Annexure.*

The main recommendations of the Committee are as under :

1. The Committee agreed that a programme in Marine Sciences be developed as a part of the Biological Sciences Programme at the PG Centre in collaboration with the National Institute of Oceanography, Goa. The prime focus of this school should be on the biological resources specific to Goa and its immediate surroundings.
2. The Committee recommended that the grants approved by the Commission for Biological Sciences should be utilised for a Postgraduate Programme in Marine Sciences.
3. The Committee felt that it would be most appropriate to have the postgraduate course in Marine Sciences as a three-year integrated programme. The degree to be awarded may be designated as M.Sc.(Tech.) in Marine Sciences within the faculty of Science. The students of the three-year programme could be drawn from different backgrounds of Physical Sciences as well as Biological Sciences. Initially the annual intake of students should be 12 which may later increase to 16. The Centre could also accept a few Ph.D. scholars.
4. The Committee recommended that scholarships of a value of Rs.250/- p.m. be given to each student for all 12 months in a year for a maximum of three year duration.

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Necessary funds may be provided by the Commission for these scholarships. During the third year, students who may choose to work in any other institution in connection with their project work may be assisted to meet their travel expenses once each way. The ultimate expenditure on scholarships and travel expenses could be about Rs.1.45 lakhs.

5. The Committee recommends that the sanctioned staff of 1 Professor, 2 Readers, 2 Lecturers and 1 Technical Assistant for starting the programme in Biological Sciences may be utilised for the Marine Sciences programme. Some staff should also be drawn from the departments of Physics and Chemistry of the Postgraduate Centre. The National Institute of Oceanography may depute 4 to 6 of its scientific staff to participate in the teaching programme every semester. No such person would be required to give more than 20 hours of instruction in each semester. The Committee recommends that each such person may be paid an honorarium of Rs.500 per semester for participating in the instructional programme. The expenditure on this account will be about Rs.6,000/- per annum.

The total expenditure involved in the recommendations of the Committee amounts to Rs.1.51 lakhs per annum.

The matter is placed before the Commission for consideration.

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Report of the Committee appointed by the University Grants Commission to work out the details for providing facilities for studies in Marine Sciences at the University of Bombay Centre of Post-graduate Instruction & Research, Goa in collaboration with the National Institute of Oceanography, Goa. (5)

The Committee appointed by the University Grants Commission to assist the Bombay University in developing an appropriate programme in Marine Sciences during the fifth plan period met at NIO on 9th February, 1977. The following were present :

1. Dr. D. Shankar Narayan
2. Dr. S.Z. Qasim
3. Professor S. Dutt
4. Professor M.C. Joshi
5. Professor D.B. Wagh (By invitation)

The Committee was in agreement with the suggestion made earlier by the Expert Committee and the UGC that the P.G. Centre at Goa, in consultation with NIO, work out the essential details of developing a collaborative programme in Marine Sciences as a part of its Biological Sciences programme utilising the facilities of the existing Departments of the Centre. The Committee also agreed that the prime focus of this school should be on the biological resources specific to Goa and its immediate surroundings.

The Committee discussed in detail the marine ecosystem and the Marine Sciences problems which an area like Goa presents and the need for developing a Post Graduate Course, which would be capable of giving attention to training and research in this area and at the same time interact in a worthwhile manner with the faculty and the facilities available at the NIO. The Committee accordingly feels that the Biological Sciences programme and the grants specifically recommended for the same during the Fifth Plan period be utilised to nucleate a Post Graduate programme in Marine Sciences.

The Committee is of the view that a Post Graduate Instructional programme in Marine Sciences to be initiated at the Centre should be both distinct in its course contents and student input and also take into account the need for trained manpower in this area felt by the different agencies likely to appoint such graduates. The Committee deliberated over this considerably and taking into account the expertise available at the NIO, felt that it would be most appropriate to have the Post Graduate Course as a 3 year integrated programme in Marine Sciences. The first year of such a programme could consist of two semesters and about four courses in each semester would provide the student the necessary acquaintance in different aspects of the study of marine sciences and introduce him to essential techniques in the discipline both qualitative and quantitative. This would include inputs not only from the fields of Marine biology but also marine geology and geophysics,

(6)

oceanography and meteorology, marine chemistry and micro-biology and some aspects of electronic instrumentation relevant to marine sciences. Since the students of the 3-year integrated programme would be drawn from different backgrounds of physical Sciences as well as biological sciences, the first year programme would be broadbased and would provide necessary insight into the complex multi-disciplinary aspect of the study of marine sciences. The first year course would therefore enable the student to move into the second year and benefit from the discipline-based courses in the two major areas of (a) marine physical sciences and (b) marine biological sciences. At the end of the second year the student would then be in a position to identify his problems and interests and engage himself in project work of sufficient academic or economic importance.

Structurally it is expected that each academic year would consist of 2 semesters and each semester would be of 16 weeks duration. The workload will consist of about 30 contact hours a week of which not more than 16 hours would be utilised for lectures, 9 hours for laboratory work, 3 hours for field work and 2 hours for seminars and discussions. This would take a five-day week leaving Saturday free exclusively for field work. The units of courses to be designed in each semester would be such that they could be completed within this period and the students could be examined in each of these units at the end of each semester. The marks to be given for each course may include 25% for continuous internal assessment which may be in the form of periodical tests, laboratory work and field work. The major project work during the third year could be done not only at the P.G. Centre, Goa or the NIO, Goa but could also be done in other institutions which have marine sciences programme such as the Universities of Andhra, Annamalai, Cochin and Kerala as well as other R & D institutions engaged in some aspect of marine sciences development and utilisation (e.g. ONGC, CMERI, CIET etc.).

In view of the nature of the contents involved and the time required for students to be properly trained, the committee is of the firm opinion that this programme should be of three years duration instead of the usual two years M.Sc. programme. The degree to be awarded may therefore be different and could be designated as M.Sc. Tech. in Marine Sciences, within the faculty of Science.

Both from the point of view of economic viability as well as the need for trained manpower in this area it would be appropriate for the P.G. Centre to start with an initial intake of 12 students in the early stages and later increase the same to 16 students in each year. The centre could also accept a few Ph.D. scholars. The students to be admitted to this programme should possess a B.Sc. or a B.Sc.(Hons) degree in any of the science subjects (Physics, Chemistry, Mathematics, Botany, Zoology, Geology or Micro-biology) and should possess at least a second class degree and 50% marks in the major subject. Since the Post Graduate Centre should serve the local needs, the Committee would like to suggest that at least

fifty per cent of the students intake be of students coming from colleges of the Union Territory of Goa and the other fifty per cent students be drawn on an All-India basis on the basis of an entrance test. Two seats may be reserved for students coming from Scheduled Castes/Scheduled Tribes.

Since this will be a specialised course of 3-year duration and selective admissions are envisaged, it would be necessary for such students to be supported by studentships. On the analogy of similar studentships available from the NCERT, the Committee would like to recommend that studentships of a value of Rs. 250/- per month each be given to each of the students for all twelve months in each year for a maximum of three years duration. Necessary funds may be provided by the Commission for these studentships. During the third year, students who may choose to work in any other institution in connection with their project work, can be assisted to meet their travel expenses once each way.

The University Grants Commission has already sanctioned a staff of one Professor, two Readers, Two Lecturers and one Technical Assistant for starting the programme of Biological Sciences. This staff could be utilised for the Marine Sciences programme and accordingly the Committee would like to suggest that the above faculty may be recruited as follows: The post of Professor may be filled by recruiting a person with a good academic record and outstanding ability in any one of the branches in Marine Sciences (excluding Marine Engineering). The posts of 2 Readers could be filled by recruiting persons one each in areas of (a) Marine Physical Sciences including Oceanography, and (b) Marine Biological Sciences. The posts of Lecturers can be filled by persons qualified in (a) Marine Geology and Geophysics and (b) Marine Chemistry. The technician be recruited from the area of electrical instrumentation. The above staff along with the existing staff in Micro-biology and the staff to be drawn from the Departments of Physics and Chemistry in the P.G. Centre should provide sufficient strength to carry on its teaching programme in collaboration with the staff to be made available from the NIC Goa.

The Director, NIC, Goa may be requested to designate for each semester four to six of the scientific staff from the NIC to participate in the teaching programme (lectures, practicals, laboratory and field work as well as seminar discussions). It is expected that no such person would be required to give more than 20 hours of instruction in each semester. Accordingly the Committee would like to recommend that each such person may be paid an honorarium of Rs. 500/- per semester for participating in such instructional programme. The persons from NIC to be designated for this work could be decided by the Director NIC and the Professor in the Department of Marine Sciences by mutual consultation and in relation to the courses to be offered in each semester. In addition, some experts could be invited from other institutions mentioned above for giving a series of lectures and they can be paid suitable honorarium as per guidelines given by UGC. This would help in bringing about a worthwhile

(8)

connection between PG Centre, Goa and other institutions engaged in teaching and research in Marine Sciences in the country. The honorarium expenditure can be met out of the provision available for the visiting faculty during the 5th plan period.

The Committee noted that during the 5th plan period the UGC has initially given a grant of Rs.3 lakhs for scientific equipment and that a sum upto about a lakh of rupees would be available for Books and Journals out of the total allocation of Rs.8 lakhs made to the PG Centre on this account. The Science Block under construction should be able to provide the necessary space required for the programme in Marine Sciences. The Committee is aware that these amounts are not adequate to meet the full needs for the functioning of Marine Sciences but only sufficient to make a beginning and organise the programme in collaboration with NIC facilities. The exact requirement for the growth of this programme would have to be identified and provided for at the beginning of the sixth plan period.

In view of the urgency and the need for starting the programme from the next academic year in June 1977, the Committee has requested the individual members to help in the formulation of the courses of study on the basis of the discussions held in the Committee so that they may be approved early by the academic bodies of the Bombay University. The University may be requested to take urgent steps to recruit the faculty members as detailed above so that these persons would be able to join early in May 1977 and acquaint themselves with the work in progress at NIC before they could start their teaching programme a few weeks later.

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Confidential

UNIVERSITY GRANTS COMMISSION

Meeting: (9)

Dated: 18th April, 1977

Item No.7: To consider the report of the Fifth Plan
Visiting Committee to the Institute of
Medical Sciences, Banaras Hindu University.

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1. The University Grants Commission requested the Banaras Hindu University to formulate its proposals relating to Medical Education for the 5th five-year plan period within an allocation of Rs.1.50 crores in two priorities - first priority being 2/3rd of the allocation i.e. Rs.1.00 crore and the second priority within the remaining 1/3rd i.e. Rs.0.50 crore. This allocation does not include the requirements of the hospitals and the spill over.

2. The Banaras Hindu University, against the above allocation formulated proposals involving a financial implication of Rs.1.65 crores in two phases - first phase Rs.1.00 crore and the second phase Rs.0.65 crore. In addition, proposals were also made outside this allocation for the consideration of the Commission.

3. The matter was considered by the Commission and it was desired that an expert committee may be appointed to examine the proposals and to make recommendations to the Commission. Accordingly, a Committee was constituted for the purpose under the Convenorship of Prof. P.N. Chhuttani, Director, Postgraduate Institute of Medical Education and Research, Chandigarh. The composition of the Committee is given in Part I of the report. The report of the Committee is Attached as Annexure- @

4. Part II of the report gives the background history of the Institute and the facilities available in it along with essential information relating to courses of studies, departments, staff, students and relevant statistics etc.

4th Plan Development:

5. The Commission during the 4th plan period sanctioned teaching and non-teaching staff in addition to the funds for equipment, books and journals as also for the construction of some buildings. The funds provided during the 4th plan period were effectively utilized by the Institute. The new Departments of Otolaryngology, Anaesthesiology, Dental Surgery, Psychiatry, Biophysics and of Orthopaedics were established in the 4th plan and the college was converted into the Institute of Medical Sciences by integrating all the Departments of the College.

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The main emphasis of development during the 4th plan period had been on postgraduate training and during this period, the Institute introduced postgraduate courses in all the broad specialities of Medicine and Surgery. The most significant development of the 4th plan has been the development of the hospital attached to the Institute of Medical Sciences. The UGC approved a 550 bedded hospital with necessary ancillary buildings. The O.P.D. building has since been occupied and the main hospital building is expected to be completed and occupied early.

5th Plan Development Proposals:

6. The Institute gave the following priorities to its 5th five-year plan development proposals:

- (1) Development of specialities.
- (2) Strengthening of the existing departments.
- (3) New schemes including setting up of Departments of Bio-medical Engineering and Department of Radiotherapy and Cancer Research.

7. The development of specialities included the introduction of postgraduate courses leading to the award of D.M. and M.Ch. degrees in the various super-specialities of Medicine and Surgery as given below:

M.Ch.	....	Neuro Surgery Urology Thoracic Surgery Plastic Surgery Paediatric Surgery.
D.M.	....	Endocrinology Neurology Cardiology Gastroenterology Nephrology.

8. The new departments proposed to be set up in the 5th five-year plan period included (1) Department of Radio Therapy and Cancer Research and (2) Department of Bio-medical Engineering.

The following observations were stressed by the university in the course of their discussion with the Committee:

(1) The Institute of Medical Sciences, Banaras Hindu University and the S.S. Hospital attached to it provide training to the students at the undergraduate and the postgraduate level. The S.S. Hospital of the Institute has been catering to the needs of the people of Eastern U.P., Northern Bihar and other adjoining States.

(11)

(2) The Institute had originally submitted proposals involving a financial outlay of Rs.4.39 crores for the five years' duration of the plan in the background of the aims and objectives of the Institute in the 5th plan period. While recasting the plan proposals as desired by the UGC within the suggested allocation, the Institute had to abandon many projects which were originally included in the plan proposals of the Institute.

(3) For the development of specialities, the Institute needs 200 beds so that adequate training may be given as recognised by the Medical Council of India. This may be considered as a first charge on the hospital's allocation during the 5th plan period.

The other observations made by the Vice-Chancellor, Director, Institute of Medical Sciences, students and teachers are given in Part V of the report.

General Observations:

9. The general observations made by the Committee are given in Part VI of the report. Some of the important observations are given below:

(1) The Institute of Medical Sciences at Banaras is one of the finest medical institutions in our country where the staff are devoted and dedicated and where uniformly excellent work is going on in most of the Departments.

(2) Looking to the increasing cost of equipments, materials and books for the library and the increasing number of the patients for the medical services attending the Institute, the proposals which have been put by the Institute of Medical Sciences are reasonably justified and need to be supported.

(3) The University should give the highest priority to consolidate the existing Departments at the Institute of Medical Sciences. This is the most urgent need of the Institute.

(4) Emphasis should be given on rural health programme both for boys and girls at the undergraduate level.

(5) The development of postgraduate courses has its own pace in medical education, but should not let the undergraduate courses be inadequate or suffer in any way in order to look for more postgraduate and Ph.D. courses. The basis of our medical education should have sound footing before it should develop the super-specialities and postgraduate courses.

12

(6) The Institute has introduced courses leading to the award of M.Ch. and D.M. degrees in the various specialities of the Departments of Surgery and Medicine from July, 1976. The UGC has already conveyed its no objection to start the courses and to include the requirements if any in the 5th plan allocation. The Institute has asked for staff etc. for functioning of each speciality keeping in view the recommendations of the Medical Council of India. They have also included the requirements of 200 additional beds for making the minimum requirements of the Medical Council in the specialities which may be provided out of the hospital fund as the first charge of the hospital allocation during the 5th five-year plan period.

(7) The matter was discussed at great length by the Committee and the following conclusions were arrived at in respect of priority to be given to the consolidation of the existing departments vis-a-vis the programme of introduction of D.M. and M.Ch. courses:

- (a) The consolidation of the existing programmes of teaching and research at the Institute be given higher priority over the programmes of introducing D.M. and M.Ch. courses.
- (b) In order to develop the medical teachers training programme in the Institute, it is very much desirable to start the super-specialities leading to degrees of M.Ch. and D.M. at the Institute.
- (c) The lead taken by the Institute of Medical Science is really praise-worthy and the Institute must take this up with their best efforts to develop this programme. But while doing this, the Institute must keep in view the potential and facilities available in the various Sections of Medicine and Surgery in line with the norms laid down by the Medical Council of India in this regard.
- (d) The quality of the work carried out in the Departments of Pediatric Surgery, Plastic Surgery and Urology would make them eligible to hold M.Ch. course provided they are given required beds and staff immediately. The Department of Neuro-surgery will have to increase its total work output further. The Department of Thoracic Surgery and Cardiology are unable to carry out an open heart programme because of lack of equipment whether these two sections can conduct the M.Ch. course should be decided by the Medical Council of India as soon as possible.

- (e) Similarly in the Department of Medicine except for the Section of Neurology other Sections may wait till the requisite facilities are made available to introduce D.M. course. The Committee supports the introduction of D.M. in Neurology at this stage and for others the Medical Council of India may be invited to advise.
- (f) It is, however, essential to support all those sections where the Committee has not recommended the introduction of M.Ch. and D.M. courses and provide them with the required facilities for the benefit of the needy patients in the Eastern U.P., Western Bihar and Northern parts of M.P. In an Institute like the Institute of Medical Sciences, it is essential to have higher training facilities. It would be wrong not to support these super-specialities at this stage as it will further weaken areas which are already weak.
- (g) The Committee recommends that each Section of Medicine and Surgery be headed by a Professor and the University may think of upgrading these Sections into independent Departments/Divisions in course of time. The Committee recommends the provision of Professor in all the Sections of the Departments of Surgery and Medicine where such faculty positions are not available.
- (h) The university has already registered students in the various super-specialities of Medicine and Surgery. It has not been possible for the Committee to recommend the continuation of all the super-specialities at this stage. The Committee, however, suggests that the students already admitted be allowed to complete their studies without any difficulty.
- (8) It would be necessary to establish a separate Department of Immunology with complete collaboration from the Department of Pathology, Micro-Biology and Bio-Chemistry and Transplantation Surgery. Establishment of an independent Department will lead to further strengthening of this very important discipline at this Institute. The Department of Radiotherapy and Cancer Therapy be grouped under the Department of Oncology.
- (9) With the increase in the required staff and the post-graduate students at the Institute, it will be most essential to provide suitable living quarters and hostels for the staff and students as soon as possible.
- (10) A few posts of Readers and Lecturers are lying vacant besides some posts of Professors. The University has appointed temporary Lecturers against most of these posts. In the opinion of the Committee, this is not a healthy arrangement and the university should take urgent steps to make regular and permanent appointments against these posts. The Committee, in its report on each Department has expressed its concern about the filling up of vacant posts.

(14)

(11) The Committee suggests that the Institute should strive to retain its all-India character and attract students from all over the country. It would be desirable to provide scholarships and fellowships for attracting the students from all over the country.

Recommendations:

(10) The Committee has made recommendations for each Department for its essential requirements in the report on each Department. Recommendations have also been made with regard to the central facilities such as Surgical Research Laboratory, Central Animal House, Central Workshop, Art & Photo Section, Library and Mortuary Complex. The Committee has endorsed the recommendations made by the 4th Plan Visiting Committee about the Surgical Research Laboratory according to which a Central Division of Experimental Medicine and Surgery be created and the Surgical Research Laboratory should be merged with this Division.

(11) The Committee with regard to a Centre of Bio-Medical Engineering was of the view that the scheme be implemented. However, such a Centre should be established in the Engineering Faculty of the University and the Institute of Medical Sciences should work in collaboration with that Faculty.

(12) It was disturbing for the Committee to note that the growth of Clinical Bio-chemistry had not been well planned and well co-ordinated. A number of Clinical Bio-chemistry programmes have been taken up by a number of groups without proper supervision. The Committee strongly suggest that this arrangement should not be allowed to continue and a centralized well-developed Clinical Bio-chemistry Unit be established to co-ordinate all the aspects of Clinical Bio-chemistry work.

(13) The Committee is convinced about the need of a hostel for postgraduate students particularly in view of the introduction of the new residency scheme and the starting of a number of postgraduate courses in the Institute during the 4th plan period. The Committee strongly recommends the acceptance of the proposal of the University as a special case.

(14) The proposal for the taking over of the Kashi Kushtha Sewa Sang has been supported by the Committee. It has, however, been suggested that this may be done in consultation with the State Government, the Central Government and the UGC.

(15) The Committee has recommended provision for buildings (Rs.19.00 lakhs), equipment (Rs.58.45 lakhs), books & journals (Rs.10.90 lakhs) besides creation of post of professors (14), Readers (15), Lecturers (18), and non-teaching and technical staff. The details are given in Annexure-22 of the report. The estimated expenditure under 1st priority is Rs.149.70 lakhs and under 2nd priority is Rs.59.68 lakhs.

Hospital:

(16) The university has also approached the Commission for the sanction of additional 200 beds for running of postgraduate courses in various super-specialities. This proposal was also included by the university in its 5th five-year plan proposals of the Institute. It has been suggested by the university that the proposal may be considered by the Commission as a first charge on the hospital allocation to be made for the 5th five-year plan. The following justification has been given by the university in support of its proposal for additional beds:

(a) The S.S. Hospital attached to the Institute of Medical Sciences for providing clinical training to the students - undergraduate and postgraduate students of the Institute has been catering the needs of the people of Eastern U.P., Northern Bihar and other adjoining States. Being an economically backward region, the people from distant places have been attending the Hospital. The out-patient attendance of the hospital has reached over 4,29,000 during 1975. The in-patient number has been over 16,000. In spite of all the specialised treatment facilities available in the hospital, quite a large number of patients are refused admission or are kept waiting due to shortage of beds.

(b) The sanctioned bed strength of the Institute Hospital by UGC is 550 which was approved as follows:

Undergraduate	....	350
Postgraduate	....	<u>200</u>
Total:-		<u>550</u>

The bed requirements for undergraduate training was calculated at the rate of 1:7 for 50 students which is the approved intake of M.B.B.S. course by the UGC. This strength, however, needs revision since the actual intake for M.B.B.S. course must exceeds against the sanctioned intake as explained below:

(1) Sanctioned intake	50
(2) Seats reserved for Govt. of India nominees for foreign students.	4
(3) Seats reserved for scheduled caste/ scheduled tribe candidates.	10
(4) Additional seats for those who obtained same marks in the P.M.T. as obtained by the last admitted candidates (as per BHU Ordinance).	4

(16)

Thus for about 65 to 70 M.B.B.S. students admitted every year, the requirements of beds in the Hospital comes between 450 to 500.

The present strength of 550 beds includes 200 beds for post-graduate training. This number was fixed about 7-8 years back. The Institution is now providing postgraduate training in all the broad specialities. From 1.1.1974 the residency scheme of training has been introduced and recently the UGC has approved 210 number of residents.

(c) The recommendations of the Medical Council of India on Postgraduate Education (1971) with regard to the beds are as follows:

"In order to be able to train postgraduates in Medicine, Surgery and their various specialities, it is absolutely essential to have a large sized teaching hospital. The number of beds of this hospital has to be carefully related to the number of postgraduates that have to be trained in the various departments. A specialist clinical unit of 50 beds could train not more than 5 postgraduates at one time. In other words, in order to give adequate clinical experience to the postgraduates in General Medicine and its specialities and sufficient operative experience to the students in Surgery and its various specialities, we should have a 1000 bedded hospital if we wish to train 100 postgraduates. It is desirable that at least 150 beds should be reserved for General Medicine and a similar number for General Surgery so as to provide three units in each of these two major departments. The specialities of Medicine and Surgery should have 50 beds each. The Department of Obstetrics and Gynaecology will, however, have to be given a larger share and at least 75 beds should be provided for this purpose".

(d) The financial implications of the proposal has been given as detailed below:

Maintenance @ Rs.10,000 p.a. x 200 = Rs.20 lakhs

Non-recurring @ Rs.5,000 per bed x 200 = Rs.10 lakhs

(17) In this connection, the following observations are made

Sciences

(1) The terms of reference of the Visiting Committee which had assessed the 5th plan requirements of the Institute of Medical Sciences were limited to the proposals of the Institute of Medical Sciences relating to the Medical Education only. In view of this, the Committee did not examine this proposal of the university. However, the Committee in its observations on the introduction of super-specialities leading to the award of D.M. and M.Ch. degree at the Institute has clearly emphasised the need for additional beds in each of the super-specialities.

(2) The university has not asked for any assistance for the construction of buildings required for providing space for additional 200 beds.

(3) The Commission provides assistance to the Banaras Hindu University for 550 beds for diet, dressing and medicines @ Rs.3,500 per bed per annum as approved by the Government of India.

(4) The Commission so far as the assistance towards salaries of the staff etc. are concerned, provides assistance at the old rate of Rs.3,900/- per bed per annum pending final decision of the Government on the recommendations of the Wahi Committee in this behalf which is under the consideration of the Committee of co-ordination between the Ministry of Health & Family Planning and the Ministry of Education & Social Welfare. The decision is still awaited.

(18) With effect from 1974-75, no separate grant is being paid for the Medical Colleges and hospitals attached to them and the expenditure is provided within the maintenance grant payable in respect of Banaras Hindu University and Aligarh Muslim University.

(19) The Ministry of Education & Social Welfare in November, 1976 sent the statement indicating the approved 5th plan allocation for the various programmes of the UGC which inter-alia also included provision for medical colleges. According to the revised 5th plan outlay a sum of Rs.787 lakhs has been included in the outlay of the UGC for the Medical Colleges of Central Universities.

(20) The matter regarding:- (a) Report of the Visiting Committee to the Institute of Medical Sciences, Banaras Hindu University and (b) the proposal of the university for providing assistance for 200 additional beds at the Banaras Hindu University is placed before the Commission for consideration.

R E P O R T
V I S I T I N G C O M M I T T E E

(FIFTH FIVE YEAR PLAN PERIOD)

INSTITUTE OF MEDICAL SCIENCES

BANARAS HINDU UNIVERSITY

UNIVERSITY GRANTS COMMISSION
BAHADUR SHAH ZAFAR MARG
NEW DELHI

C O N T E N T S

<u>PART</u>		<u>PAGE</u>
	Summary of the Report	.... 1
I	Appointment of Committee and Visit	.... 3
II	Basic Facts and Background	.... 5
III	Fourth Plan Development	.... 19
IV	Fifth Plan Proposals	.... 25
V	Views of Vice-Chancellor and Others	.... 29
VI	General Observations of Committees	.... 35
VII	Proposals and Recommendations:	
	- Department of Anatomy	.... 40
	- Department of Physiology	.... 42
	- Department of Bio-Chemistry	.... 45
	- Department of Biophysics	.... 47
	- Department of Pharmacology	.... 49
	- Department of Pathology	.... 51
	- Department of Microbiology	.... 54
	- Department of Forensic Medicine	.... 57
	- Department of Obstetrics & Gynaecology	.... 58
	- Department of Preventive & Social Medicine	.... 60
	- Department of Surgery:	.... 62
	- General Surgery	.... 62
	- Section of Paediatric Surgery	.... 65
	- Section of Urology	.... 67
	- Section of Neurosurgery	.... 68
	- Section of Plastic Surgery	.... 70
	- Section of Cardio-Vascular and Thoracic Surgery	.... 71

- Department of Medicine:	
- Section of Cardiology	73
- Section of Neurology	75
- Section of Skin & V.D.	77
- Section of Endocrinology and Metabolism	79
- Section of Gastroenterology	81
- Section of Nephrology	82
- Section of Tuberculosis and Chest Diseases	84
- General Medicine	86
- Department of Orthopedics	88
- Department of Anaesthesiology	90
- Department of Radiology	92
- Department of Ophthalmology	93
- Department of Paediatrics	96
- Department of Radiotherapy & Cancer Research	97
- Department of Dental Surgery	99
- Department of Psychiatry	101
- Department of E.N.T.	103
- Central Facilities:	104
- Surgical Research Laboratory	104
- Central Animal House	109
- Central Workshop including Central Gas House	110
- Art and Photo Section	111
- Library	112
- Mortuary Complex	114
- Department of Bio-medical Engineering	115
- Training of Community Medicine	117
- Central Clinical Laboratory	118

-	Staff Quarters	.....	119
-	Publication Unit	.....	119
-	Part-time Physical Instructor	.....	121
-	Other Amenities	.....	121
-	Student Amenities	.....	122
-	Scholarships and Fellowships	.....	123
-	Taking over of Kashi Kushthya Sewa Sang, Sarnath, Varanasi	.....	124
-	Additional Beds	.....	125
-	Administrative Office and Attached Units	.....	129
-	Office Equipment	.....	130
-	Furniture	.....	130
-	PABX Telephone Exchange	.....	130
-	Multi-Purpose Hall	.....	130
-	Additional Floor in the Existing Building	.....	131
-	Space for Godown and Garrages	.....	132
-	Laboratory Maintenance/Consumables	.....	132
VIII	Financial Implications	.....	134
IX	Acknowledgement	.....	135
X	<u>Annexures:</u>		
	Annexure-I Students admitted State-wise, course-wise.	.....	136
	Annexure-II Faculty Position in the Institute	.....	137
	Annexure-III Teaching Staff department-wise, Cadre-wise with specialisation	.....	140
	Annexure-IV Vacant posts department-wise	.....	150
	Annexure-V Number of students qualified for M.B.B.S./M.D./M.S. and Diploma course till Date	.....	152
	Annexure-VI Utilisation of Postgraduates passed during the last 5 years.	.....	153

Annexures (Contd.)

Annexure-VII	Fourth Plan sanctions	....	158
Annexure-VIII	Amount spent on equipment during Fourth Plan	....	158
Annexure-IX	Periodicals subscribed by the Library of the Institute	....	159
Annexure-X	List of the departments of the Institute	....	165
Annexure-XI	Postgraduate courses by the end of the Fourth Plan at the Institute	....	166
Annexure-XII	Allocation of 210 residents	....	167
Annexure-XIII	List of Conferences/Seminars held in the Institute	....	168
Annexure-XIV	Summary of the Fifth Plan proposals	....	169
Annexure-XV	Schemes already approved	....	172
Annexure-XVI	Proposal for a Dental College	....	173
Annexure-XVII	Staff in the Central Surgical Research Laboratory	....	175
Annexure-XVIII	Collaboration of the various departments of the Institute with the Surgical Research Laboratory	....	177
Annexure-XIX	Statement showing utilisation of 550 beds in the new hospital building and the proposed distribution of 750 beds (550+ 220 additional beds)	....	178
Annexure-XX	Floor-wise distribution in the Institute building	....	179
Annexure-XXI	Representations made by the staff members and others	....	180
Annexure-XXII	Summary of the Financial Implications	....	189
Annexure-XXIII	List of the journals discontinued	....	198

REPORT OF THE VISITING COMMITTEE

Institute of Medical Sciences

Banaras Hindu University

SUMMARY OF THE REPORT

The Commission requested the university to formulate its proposals on medical education within an allocation of Rs.1.50 crores in two priorities - first priority Rs.1.00 crore and second priority Rs.0.50 crore. The university made proposals involving Rs.1.65 crores in two phases. Proposals were also made outside this allocation.

The Institute has 28 Departments and 12 Sections. It offers courses leading to the award of the degrees of M.B.B.S., M.S., M.D. and Ph.D. in modern medicine. From 1976, it has introduced courses leading to the award of M.Ch. and D.M. in super-specialities in Surgery and Medicine respectively.

The grants made in the 4th plan were effectively utilized. New Departments of Otolaryngology, Anaesthesiology, Dental Surgery, Psychiatry, Biophysics and Orthopaedics, were constituted from the existing departments. The College of Medical Sciences which started in 1960, was converted to the Institute of Medical Sciences in 1971. The main emphasis of development during the 4th plan period had been on postgraduate training. During this period, the Institute introduced post-graduate courses in all the broad specialities and development of the hospital attached to the Institute. The UGC approved a 550 bedded hospital with necessary ancillary buildings. The O.P.D. has been completed and occupied and the main hospital building is nearing completion. The Institute had been the venue of many All-India Conferences and Seminars and the staff of the Institute contributed a large number of research papers.

During the 5th plan, besides strengthening of the existing Departments, the Institute has introduced postgraduate courses leading to the award of D.M. and M.Ch. in various super-specialities in Medicine and Surgery. The Committee feels that the consolidation of the existing programmes be given higher priority over the programmes of introducing D.M. and M.Ch. courses. The quality of work in Paediatric Surgery, Plastic Surgery and Urology would make them eligible to hold M.Ch. courses. The Committee supports the introduction of D.M. in Neurology in Medicine at this stage. It is, however, essential to support all these Sections where the Committee has not recommended the introduction of M.Ch. and D.M. courses. The Department of Radio Therapy and Cancer Therapy should be grouped under the Department of Oncology. With the increase in the required staff and the postgraduate students it will be essential to provide living quarters and hostels.

The Committee endorses the recommendation of the 4th Plan Visiting Committee for the Surgical Research Laboratory according to which a Central Division of Experimental Medicine and Surgery be created and the Surgical Research Laboratory be merged within this Division. The Committee has recommended provision for buildings (Rs.19.00 lakhs), equipment (Rs.58.00 lakhs), books and journals (Rs.10.90 lakhs) besides creation of posts of Professors (14), Readers (15), Lecturers (18) and other non-teaching and technical staff. The Committee has recommended some scholarships and fellowships outside the plan.

The Committee was favourably impressed by the programmes of the Institute.

Report of the Fifth Plan Visiting Committee
to the Institute of Medical Sciences,
Banaras Hindu University

PART-I - COMMITTEE & VISIT

Appointment
of
Committee

1.1 The University Grants Commission requested the Banaras Hindu University to formulate its proposals relating to medical education for the 5th five-year plan period within an allocation of Rs.1.50 crores in two priorities - first priority being 2/3rd of the allocation i.e. Rs.1.00 crore and the second priority within the remaining 1/3rd i.e. Rs.0.50 crore. This allocation does not include the requirements of the hospitals.

1.2 The Banaras Hindu University, against the above allocation formulated proposals involving a financial outlay of Rs.1.65 crores in two phases - first phase Rs.1.00 crore and the second phase Rs.0.65 crore. In addition, proposals were also made outside this allocation for the consideration of the Commission.

1.3 The matter was considered by the Commission and it desired that an Expert Committee may be appointed to examine the proposals and to make recommendations to the Commission. Accordingly, a Committee consisting of the following was constituted:

1. Dr. P.N. Chhuttani ... Convenor
Director
Postgraduate Institute of
Medical Education & Research
Chandigarh.
2. Dr. A.K. Basu ... Member
Dean
Faculty of Medical Sciences
Calcutta University
1A Lee Road
Calcutta.
3. Dr. G.B. Parulkar ... Member
Director &
Professor of Surgery
K.E.M. Hospital & G.S.
Medical College
Bombay.

P.T.O.

4. Dr. B. Ramamurthi ... Member
Head of the Department &
Professor of Neurosurgery
Madras Medical College &
General Hospital
Madras.
5. Dr. K. Bhargava ... Member
Dean
Government Dental College &
Hospital
Ahmedabad.
6. Prof. J.S. Neki ... Member
Professor of Psychiatry
All-India Institute of
Medical Sciences
New Delhi.
7. Prof. B.K. Bachhawat ... Member
Director
Indian Institute of
Experimental Medicine
4, Raja Subodh Mullick Road
Jadavpur
Calcutta-32.
8. Dr. M.L. Mehta ... Secretary
Deputy Secretary
University Grants Commission
New Delhi.

Visit to
Institute:

1.4 The Committee visited the Institute of Medical Sciences, Banaras Hindu University on 3rd, 4th & 5th November, 1976. Dr. A.K. Basu and Dr. K. Bhargava could not visit the Institute. Dr. Bhargava, however, visited the Institute later on 22nd December, 1976.

1.5 The Committee held detailed discussions with the Vice-Chancellor, Director, Plan Co-ordination, Director, Institute of Medical Sciences, Heads of Departments/Sections, Faculty members, students and other staff of the Institute.

1.6 The Committee visited the various clinical and non-clinical departments, the S.S. Hospital, the New O.P.D. Block, the 550 bed hospital under construction and the other units of the Institute such as workshop, animal house, photo and arts section, surgical research laboratory and the yoga centre. The Committee also visited the urban & rural health centres and the leprosy, T.B. and rehabilitation centre of the Kashi Kushtha Sewa Sangh, Sarnath.

PART-II - BASIC FACTS

(A) INSTITUTE OF MEDICAL SCIENCES

2.1 BRIEF HISTORY

2.11 The present Institute of Medical Sciences initially started as the College of Medical Sciences. The ideal of the College of Medicine according to Mahamana Malaviyaji's dream was that Hindu Medical Science would be taught here along with the European system of medicine and that the Hindu system of medicine will be enriched further by adopting in it the latest achievement of modern medicine and surgery, both the preventive and curative aspects.

2.12 In the initial stage the Department of Ayurveda existed as a branch of Oriental Learning of the University. It was in the year 1924-25 that the College of Ayurveda started functioning as an independent College under the Faculty of Oriental Learning and later under the Faculty of Medicine and Surgery (Ayurveda) which was constituted in 1928.

2.13 The College of Medical Sciences was started in the year 1960 in place of the old Ayurvedic College after discontinuing the courses of instruction in Ayurveda at the undergraduate level. This was the consequence of a country-wide agitation by the students of Ayurvedic Colleges for better rights and privileges. With the advancement of modern medical education more and more medical colleges were opening in the country. There was much less scope left for Ayurvedic graduates. Earlier efforts to improve their lot by including teaching of modern subjects in the syllabus and awarding the degree of Ayurvedacharya and Bachelor of Medicine and Surgery (A.B.M.S.) by the University, did not prove rewarding for practical purposes. It was with this background that the Government had to decide to establish a fulfilled Medical College in the Banaras Hindu University to provide instructions in the modern system of medicine at the undergraduate level. The University Grants Commission approved the establishment of a Medical College in this University in June 1960 and the College of Medical Sciences started functioning from September 1960.

2.14 However, the study of Indian Medicine at the post-graduate level was mooted and the idea of establishing a postgraduate training centre was worked out. Therefore the Postgraduate Institute of Indian Medicine was established in 1963. The postgraduate course in Ayurvedic Medicine (D.Ay.M.) was simultaneously introduced. The financial assistance was sanctioned by the Ministry of Health in 1963, for conducting advanced training and research in Indian Medicines.

2.15 On the recommendation of a Committee of the University Grants Commission the decision was made in 1971 by the Executive Council of the University to establish the Institute of Medical Sciences by integrating all the Departments of the Medical College and the Departments of Indian Medicine.

2.16 The College first started to function in the small building of the then Ayurvedic College and in a few other buildings of the University. The College was recognised by the Medical Council of India and also by the British Medical Council even while in its early phase of establishment.

2.17 The College was sanctioned grants by the University Grants Commission for the construction of the buildings of the College, hostels, staff quarters and purchase of equipment and library books etc. The construction of the main building of the College was completed in 1967 and the College started functioning in the new building from 1967. The new three-storied building extending in four blocks, now accommodates all the Departments of the Institute, different laboratories, lecture rooms, museums and libraries. The construction of other ancillary blocks of the building viz., gas house, animal house, workshop were completed a later. In the close proximity of the main building are located Nursing Training Centre, Medical Enclave (teaching staff residences), boys and girls' hostels, and House Surgeons' and Nurses' Hostels. Another Medical Enclave (residences for teaching staff) has been newly constructed just beyond the walls of the University in an area procured by the University for its expansion.

2.2 DEPARTMENTS & SECTIONS

These are:

(a) Departments:

(1) Anaesthesiology, (2) Anatomy, (3) Ayurveda, (4) Basic Principles, (5) Biochemistry, (6) Biophysics, (7) Dental Surgery, (8) Dravyaguna, (9) Ear, Nose and Throat, (10) Forensic Medicine, (11) Kayachikitsa, (12) Medicinal Chemistry, (13) Medicine, (14) Micro-biology, (15) Obstetrics & Gynaecology, (16) Ophthalmology, (17) Orthopaedics, (18) Paediatrics, (19) Pathology, (20) Pharmacology, (21) Physiology, (22) Prasuti Tantra, (23) Preventive & Social Medicine, (24) Psychiatry, (25) Radiology, (26) Radiotherapy and Radiation Medicine Centre, (27) Shalya Shalakyas and (28) Surgery.

(b) Sections:

- (1) Cardiology, (2) Cardiothoracic Surgery,
(3) Endocrinology, (4) Gastroenterology, (5) Nephrology,
(6) Neurology, (7) Neurosurgery, (8) Paediatric Surgery,
(9) Plastic Surgery, (10) Skin and Venereal Diseases,
(11) Tuberculosis and chest diseases and (12) Urology.

2.3 COURSES

2.31 The Institute (then College) initially started the training at undergraduate level leading to M.B.B.S. (Bachelor of Medicine and Bachelor of Surgery) degree. The first batch of students admitted was in 1960 and the yearly intake capacity of 40 students was fixed. During the national emergency in 1962, the number was raised to 60 which was further enhanced upto 70 admissions and remained so till 1968-69. From July 1969 admission was reduced to 50 which was in pursuance of the recommendation of a Committee that the institution should concentrate more on postgraduate training and research. The first batch of M.B.B.S. graduates of the College came out in the year 1965.

2.32 The Institute (then College) started the post-graduate training programme (M.D./M.Sc. courses) in 1953-64 in selected specialities as the 'in service' facility for its own staff members. The facilities were extended to many other specialities during subsequent years. A few postgraduate diploma courses were started simultaneously. The College was visited for assessment of the postgraduate facilities during September 1968 by the Inspector of the Medical Council of India. Later on the inspection under the Indian Medical Council Act was carried out in respect of various postgraduate examinations held in 1969 by the Inspectors of the Medical Council of India and the degrees were recognised.

2.33 At present M.D. courses are being conducted in Anaesthesiology, Bio-chemistry, Biophysics, Dermatology, Forensic Medicine, Medicine, Microbiology, Paediatrics, Pathology, Pharmacology, Physiology, Preventive and Social Medicine, Psychiatry, Radiology, Radiotherapy and Tuberculosis and respiratory diseases. M.S. courses are conducted in Anatomy, Obstetrics & Gynaecology, Ophthalmology, Orthopaedics, Otolaryngology and Surgery.

2.34 There were also diploma courses till 1975-76 in the following specialities: Anaesthesiology, Child Health, Laryngology and Otology, Medical Radio-diagnosis, Medical Radiotherapy, Ophthalmic Medicine, Orthopaedics and Tuberculosis and Chest diseases.

2.35 From the current year the following courses (super-specialities) have been introduced. Degrees of Magister Chirurgiae (M.Ch.) in Cardiovascular and thoracic surgery, Neurosurgery, Paediatric Surgery, Plastic Surgery and Urology and Degrees of Doctoratus Medicinus (D.M.) in Cardiology, Endocrinology, Gastroenterology and Neurology.

2.36 The three years' course leading to the Degree of Doctor of Ayurvedic Medicine (D.Ay.M.) is open to graduates of Indian Medicine. The annual intake is 20.

2.4 ADMISSION POLICY

2.41 The Institute admits students to undergraduate course on all-India basis strictly on merit through a competitive examination (Pre-Medical Test). The Centres for appearing in the P.M.T. are Varanasi, Patna, New Delhi and Nagpur. The admission is strictly made on the basis of marks secured by the candidates in the competitive examination.

2.42 Similarly all new intakes for the postgraduate (M.D./M.S.) are also through a written test and interview in order of merit.

2.5 STUDENT ENROLMENT

2.51 The position of the students enrolled during the last five years is given in the following tables:

(a) Student enrolment - course-wise, year-wise

Year	M.B.B.S.	M.D. & M.S.	Diploma
1971-72	319	160	14
1972-73	299	168	9
1973-74	291	163	7
1974-75	302	145	15
1975-76	303	159	-

(b) Student enrolment - stage-wise (graduate, postgraduate and others)

Year	Graduates (M.B.B.S.)					Postgraduates (M.D./M.S.)		Diploma (1 yr. course)
	I Yr.	II Yr.	III Yr.	IV Yr.	V Yr.	I Yr.	II Yr.	
1971-72	60	63	59	69	60	80	80	14
1972-73	62	56	53	59	69	88	80	9
1973-74	59	62	52	59	59	75	88	7
1974-75	62	60	69	52	59	70	75	15
1975-76	61	65	51	69	57	89	70	-

(c) Student enrolment year-wise in
M.D./M.S. courses

Department	Course	71-72	72-73	73-74	74-75	75-76
Physiology	.. MD	1	1	-	2	3
Biochemistry	.. MD	-	2	1	-	3
Biophysics	.. MD	-	-	1	1	-
Microbiology	.. MD	3	2	2	2	1
Radiology	.. MD	5	-	5	2	2
P.S.M.	.. MD	5	2	2	4	4
Paediatrics	.. MD	6	6	4	4	5
Medicine	.. MD	12	13	12	12	12
Skin & V.D.	.. MD	2	3	2	1	2
Psychiatry	.. MD	4	2	-	-	4
Obst. and	.. MD	6	8	6	5	4
Gynaecology						
TB & Chest	.. MD	2	4	1	2	2
Disease						
Forensic Medicine	MD	1	2	1	-	-
Pharmacology	.. MD	1	4	-	1	2
Anaesthesiology	MD	4	6	6	4	9
Pathology	.. MD	-	5	4	1	9
Radiotherapy &	.. MD	-	2	-	1	2
Rad. Medicine						
Anatomy	.. MS	3	1	2	-	2
Ophthalmology	.. MS	6	6	4	6	4
Surgery	.. MS	14	12	16	16	13
E.N.T.	.. MS	3	2	2	3	3
Orthopaedics	.. MS	2	5	4	3	3
Total:		80	88	75	70	89

(d) Student enrolment year-wise in
Diploma Courses

Department	Diploma	71-72	72-73	73-74	74-75	75-76
E.N.T.	D.L.O.	3	1	1	1	-
Anaesth.	D.A.	2	1	-	-	-
Paediatrics	D.C.H.	3	2	4	6	-
Ophthalmology	D.O.M.S.	1	1	1	2	-
Radiology	D.M.R.D.	2	1	-	1	-
T.B. & C.D.	D.T.C.D.	3	1	1	4	-
Radiotherapy	D.M.R.T.	-	2	-	1	-
& Radiation						
Medicine.						
Total:		14	9	7	15	-

(e) Scheduled Caste/Scheduled Tribe students (course-wise) admitted

Year	M.B.B.S.	M.D. & M.S.	Diploma
1971-72	3	-	-
1972-73	2	1	-
1973-74	5	1	-
1974-75	5	-	-
1975-76	5	-	-

2.52 The position of students admitted from the different States in various courses is indicated in Annexure-I.

2.6 RESULTS

The results of the various courses conducted by the Institute during 1971-76 are given below:

Course	1971-72	1972-73	1973-74	1974-75	1975-76
<u>M.B.B.S.</u>					
Passed	66	66	56	62	52
Percentage	78%	70%	65%	72%	71%
<u>M.D./M.S.</u>					
Passed	31	44	61	64	74
Percentage	66%	53%	53%	65%	69%
<u>Diploma</u>					
Passed	14	8	7	15	-
Percentage	96.42%	88.88%	92.1%	83.33%	-

2.7 STAFF

2.71 Faculty of the Institute includes 30 Professors, 46 Readers and 52 Lecturers. The position of the faculty department-wise, cadre-wise is given in Annexure-II; cadre-wise and specialisation is in Annexure-III. The vacant posts are shown in Annexure-IV. Posts of two Professors, 8 Readers and 12 Lecturers are lying vacant. Most of the posts are non-plan posts and temporary Lecturers have been appointed against many posts.

2.72 Recruitment on all the posts is done on the basis of University Recruitment Policy and University Rules and Regulations i.e. the appointment of teachers is governed by Statute 27 of the B.H.U. Act and Statutes after advertisement of all posts on all-India basis. The qualification laid down for the posts are the same as prescribed by the Medical Council of India for each category of the posts.

2.8 RESEARCH ACTIVITIES

2.81 The research in the Institute of Medical Sciences is being done both in the areas of Modern and Indian Medicine. At the postgraduate level the students are allotted subjects of thesis in the area of research already undertaken by the Department to maintain continuity and make some original contribution. Besides that, regular research training facilities leading to the award of Ph.D. degrees are available in almost all the Departments.

2.82 The faculty of the Institute are also individually engaged in their own research activities. Many of them have their individual research projects which are financed by various agencies like the Council of Scientific and Industrial Research, Indian Council of Medical Research, Indian Council of Agricultural Research, University Grants Commission, Department of Atomic Energy as well as Science and Technology, Government of India etc. The problems connected with the trial of drugs are mostly financed by the drug manufacturing firms.

2.83 In the field of Indian Medicine the research activities have aimed towards the areas of development and revival of ancient concepts and methods of diagnosis and treatment, re-assessment and critical analysis of the basic concepts and facts of Ayurveda with the help of modern scientific methods, elucidation and explanation of Ayurvedic concepts and ideas in modern scientific terms in order to make it intelligible to the scientists all over the world, and to discover new indigenous drugs.

2.84 Surgical Research Laboratory and Yoga Research Centre are two special research wings functioning in the Institute.

MEDICAL HOSTELS

2.85 At present the accommodation is available for 400 residents. The position of the available accommodation and the accommodation required is summarised in the following table:

Hostel accommodation available	Rooms	Accommodation	Remarks
Boys: Dhanwantri Hostel	210	210	Medical hostel constructed out of UGC fund.
*Ruia Hostel	80	120	*(double seated accommodation). University hostel constructed for other Faculties, viz. Music and Fine Arts and Oriental Learning etc. 40 for D.Ay.N. students.
Doctors' Hostel	64	64	House Surgeons Hostel.
	---	---	
Total:	354	394	
	---	---	
Girls: Kasturba Girls Hostel	70	70	
<u>Strength of students:</u>			
M.B.B.S. ...	-	300	
Interns ...	-	52	
Jr. Residents..	-	145	
Sr. Residents..	-	65	
Provision for } repeaters } postgraduates }	-	20	

Hostel accommo- dation available	Rooms	Accommo- dation	Remarks
Research Scholars/ Fellows	...	-	30
	----	---	
Total:	-	632	
	----	---	
Less Girls	-	50	
	----	---	
Total	-	582	
Approx.	-	600	
Accommodation required:	-	600	
Accommodation available	-	400	
	----	---	
Shortage:	-	200	
	----	---	

The observations and the recommendations of the Committee in this regard are given later in the report. The Committee recommends a provision of Rs.10 lakhs under 1st priority for the hostels.

STAFF QUARTERS

2.86 The first Visiting Committee of the U.G.C. while making the initial recommendations for the establishment of the College of Medical Sciences made the following recommendations with regard to the provision of accommodation for the staff of the College of Medical Sciences, Banaras Hindu University:

<u>Residences:</u>	Principal	...	100%
	Professors	...	100%
	Readers	...	100%
	Registrars & Demonstrators	...	50%
	Lecturers	...	75%
	Other staff	...	50%

P.T.O.

The position of the staff and the available quarter (constructed out of the UGC grant and the shortage as per recommendations) is given below:

Category	Sanctioned post(s)	No. of quarters required	Quarters available	Short- age	Immediate require- ments
Director	1	1	1	Nil	-
Professors	32	32	10	22	8
Readers	49	49	34	15	10
Lecturers	62	47	24	23	12
Sr. Residents	65	33	Nil	33	25 (married accommodation)
<u>Other Staff:</u>					
Technical staff	152	75	20	55	20
Ministerial staff	83	40	18	20	12
Class IV staff	191	90	24	66	20

MEDICAL GRADUATES PRODUCED/ABSORBED

2.87 The position of students qualified for M.B.B.S./M.D./M.S. and Diploma Courses till date is given in Annexure-V.

The position of utilization of postgraduates passed during the last five years is given in Annexure-VI.

GRANTS FROM THE STATE GOVERNMENT

2.88 The State Government is providing no grants for medical education to the Institute of Medical Sciences. This, however, does not include such schemes which are sanctioned by the Government of India through State Govt. e.g. all-India hospitals post-partum programme and mobile service programme. In hospital side the State Government is contributing @ Rs.2,000/- per bed per annum for 180 beds only.

P.T.O.

GOVERNMENT OF INDIA CONTRIBUTION
FOR MEDICAL EDUCATION

2.89 In 1953 the Postgraduate Institute of Indian Medicine was established by the Ministry of Health for imparting postgraduate training leading to the award of D.Ay.M. (3-years duration course) and for advancement of research. The original scheme involves Rs.14.81 lakhs and expansion scheme (sanctioned later) involves Rs.4.29 lakhs. The entire scheme involving Rs.19.10 lakhs is financed by the Ministry of Health. In addition 75 Ayurvedic Research beds are also financed by the Government of India for which separate grant of Rs.4,87,500/- is received from the Government of India. Although, the Departments of Indian Medicine previously part of the Postgraduate Centre of Indian Medicine have become the Academic Departments of the Institute after upgradation of the College to the Institute by the President of India in his capacity as Visitor of the Institute, there is no mixing of establishment, grants either in the academic or hospital side which account is separately maintained, audited and submitted to the Ministry of Health, Government of India every year.

(B) 3.1 SIR SUNDER LAL HOSPITAL

3.10 The foundation of the present Hospital of the University was laid in January 1924. It was named as Sir Sunder Lal Hospital in the memory of the first Vice-Chancellor of this University. It provided accommodation for the treatment of one hundred indoor patients, nearly 300 patients daily in the Out-Patient Departments and for about 1500 Operations yearly.

3.11 With the starting of the College of Medical Sciences the Hospital also got a fillip in its development and its bed strength increased gradually to the present number of about 550 beds. This has been possible with the expansion of the existing buildings and the construction of new buildings and blocks with grants received from the Government of India and U.P. Government and out of the funds received from donations.

3.12 Buildings of the S.S. Hospital

(i) Children Hospital (1965)

The Department of Paediatrics and Paediatric Surgery Section occupy this building. It has bed strength of 75 and space for Out-Patients Departments, Laboratories and Specialised Clinics for Children Patients.

P.T.O.

(ii) Bhuwalika Eye Hospital (1964)

Apart from the Department of Ophthalmology, the Department of E.N.T. and Dental Surgery are also located in it and includes space for Out-Patient Clinics and Indoor Wards. A modern operation theatre suit and a good sound proof Audiometry room of the E.N.T. Department are the notable attractions.

(iii) Radiotherapy Block (1968)

It has a 250 K.V. Deep X-Ray therapy machine and a Telecobalt Unit which was commissioned in September 1969. Diagnostic and Therapeutic facilities with radio active Isotopes are also provided in this Centre.

(iv) Clinical Block (1969)

It houses some of the specialised out-patient clinics, E.E.G. and E.M.G. Laboratory, Blood Bank, Central Sterilization Unit, Pharmaceutical Section and other laboratories and Sections.

(v) Special Ward Block (1964)

To meet the requirements of paying patients, a special ward consisting of 15 rooms was built in 1964. With increasing demands from the public, 6 more rooms were added in 1968.

(vi) Traumatic Surgery & Rehabilitation Blocks (1962)

These Blocks were added with the main Hospital building which houses casualty section and orthopaedic out-patient clinic and indoor ward with 30 beds and an operation theatre. The Department has an established rehabilitation Unit.

(vii) Isolation Block and Psychiatry (1967)

A separate Block was constructed as Isolation ward. The same Block also houses the Psychiatry Department. The Psychiatry Clinic is being developed to be a centre for treatment of all types of Mental illness with facilities for an in-patient treatment.

(viii) Other Buildings

- (a) Doctors' Hostel - for House Surgeons and House Physicians and other Resident staff.
- (b) Staff Nurses Hostel.
- (c) School of Nursing.
- (d) Rest House (Dharmshala) for relations and attendants of the patients admitted in the Hospital.

(ix) New Hospital

To meet the growing demands of the Postgraduate Teaching and Research, the Government of India (U.G.C.) sanctioned funds for constructing and equipping a new modern hospital of 550 beds. The main features of this Hospital will be a separate Out-patient Block, Maternity Block, Radiology, Clinical Laboratories and Operation Theatre Block and a Medical and Surgical Block to house patients. The building is under construction and is expected to be completed in the very near future.

(x) Out-Patient Department Building

The building has since been completed and occupied in 1975. This released the congestion that existed in the old building.

3.13 Specialised Clinics:

Apart from routine medical and surgical out-patients departments there are many speciality clinics operating in the Hospital. The main ones are:-

- (1) Orthopaedic Surgery, (2) Neurosurgery and Neurology clinics, (3) Chest surgery and chest diseases clinics, (4) Plastic surgery clinic, (5) Paediatric surgery out-patients is conducted in the Children Hospital, (6) Cardiac Surgery and Cardiology clinic, (7) Thyroid clinic, (8) Dialysing Unit, (9) Peptic ulcer clinic, (10) Dental Surgery clinics, (11) Psychiatric clinics, (12) Dermatology and Venereology clinics, Leprosy patients are also being treated in this clinic, (13) Diabetic clinic, (14) Gastroenterology clinic, (15) Obstetrics and Gynaecology clinic, (16) Ophthalmology and Paediatrics clinics and (17) Endocrinology clinic.

3.14 Medical Record Section:

Medical Record Section was established during the year 1963. Since 1963 all records of indoor patients are being maintained and since this year the records of out-patients department are also being maintained.

3.15 School of Nursing:

Attached to the hospital, the School of Nursing is training girls who come from different parts of the country. Well trained sisters, staff nurses and student nurses look after the patients in the hospital including operation theatres, out-patients departments etc.

3.16 Staff:

The Medical Superintendent is the overall incharge of the hospital administration. The Medical Superintendent is aided by the two Deputy Medical Superintendents and all the Heads of the clinical departments, besides a large number of medical officers. There is also a Committee consisting of Medical Superintendent, two Deputy Medical Superintendents and different administration-in-charges of various sections, which takes all decisions with regard to the hospital management.

3.17 Statistics:

The Hospital Medical Records Section maintains the details of the indoor as well as out-door patients. In 1975 a total number of 4,29,330 patients were treated in various out-patient departments. Of these, approximately one-third were female patients. There were 1,518 births in the Hospital during last year. The total number of admission of the in-door patients in 1975 was 16,405, of whom 1319 patients died. The number of in-patient days worked out to be 234,887 and average period of hospital stay was for 14.31 days.

PART-III - FOURTH PLAN DEVELOPMENT

4.1 The Commission during the 4th plan period sanctioned teaching and non-teaching staff in addition to the funds for the equipment, books and journals as also for the construction of some buildings. The sanctions of the Commission are given in Annexure-VII.

4.2 The Committee in this connection also took note of the following observations made by the 4th plan Visiting Committee in its report:

- (1) "The postgraduate education is one of the main objectives of this institution and it is desirable that research should be encouraged in every department. This would ultimately lead to the institution as a whole being involved in fundamental, applied and developmental research".
- (2) "Separate departments should be set up for Ear, Nose, Throat, Orthopaedics and Anaesthesiology....when the new hospital building is completed, a separate department of dentistry be also created... Realising the importance of training in psychological medicine and psychiatry, an independent department would be necessary to ensure their full development. This may, however, be deferred till the hospital facilities have been adequately expanded. The Department of Biochemistry and Biophysics has also developed ... this department may be split up into two separate Department of Biochemistry and Bio-Physics".
- (3) "The College of Medical Sciences had developed a great deal since its inception in 1960. Most of the Departments are now well-staffed and relatively well-equipped. The Committee is of the view that the College can now develop postgraduate facilities in the various disciplines in a major way".
- (4) "The College of Medical Sciences at Banaras Hindu University with its Hospital and the Postgraduate Institute of Indigenous Medicine is a compact unit and can be recognised as one of the biggest units of the University. With the development, we have envisaged, we feel that it should have the requisite autonomy in its working. The Committee

recommend that the University may consider making this complex an autonomous unit within the framework of the Act and Statutes of the University".

4.3 The Committee makes the following observations with regard to the implementation of the 4th plan development proposals as sanctioned by the Commission:

(A) PHYSICAL FACILITIES

(1) Buildings:

The following buildings were constructed/ completed during the period:

(a) Extension Wing Library:

The UGC sanctioned 5,000 sq.ft. accommodation for the extension of the Library Wing. The building completed was occupied in February 1974. The additional accommodation is being used as stack room for bound periodicals, loose periodicals cum journal, reading room and teacher reading room.

(b) Central Workshop:

Prior to the sanction of accommodation for the Central Workshop under the IV Plan, the Workshop was functioning in a small shed. The new building was completed in 1974. The additional facilities provided have enabled the Institute to start the following sections in the workshop: (i) Mechanical, (ii) Electrical, (iii) Glass Blowing, (iv) Welding and (v) Carpentry. Over 15,000 jobs are executed by the workshop every year. Sanction for gas line connection have also been obtained from the UGC.

(c) Central Animal House:

The Central Animal House has been started in the new building. The animal house was also sanctioned Rs. one lakh for equipments including air-conditioning. Although, Central air-conditioning is still lacking for the entire building few air-conditioners have been provided and some basic equipments has been procured.

(d) Hostel Facilities:

The following were added to the hostels during the 4th plan period: (1) reading room, common room and two wardens quarters in Dhanwantri Hostel (2) Kitchen block and dining hall in Ruiya Hostel, (3) 24 boys and 12 girls hostel and wardens quarters at Rural Health Centre, Chiragaon.

(e) Residential Facilities (staff quarters):

During the 4th plan period, quarters for the staff were completed and occupied as under: Director's Quarter-1, Professors Quarters-8, Readers Quarters-5, Lecturers Quarters-12, Technical Staff Quarters-8, Ministerial Staff Quarters-6, Class IV Staff Quarters-6, Ministerial Staff Quarters at Rural Health Centre-6 and Class IV Staff Quarters at Rural Health Centre-6.

In addition, sanction for E.E.G. building in the Department of Psychiatry has also been received.

2. Equipment:

The UGC sanctioned Rs.29 lakhs towards the equipments grant (including Rs. one lakh for workshop and Rs. one lakh for central animal house). The grants were utilised as under:

	<u>Rupees in lakhs</u>
(1) Equipments for the Department*	Rs.20.69
(2) Air-conditioning in the central animal house	Rs. 0.57
(3) Air-conditioning in the Institute Library	Rs. 0.26
(4) Procurement of mini bus	Rs. 0.47
(5) Development of specialities/sections (including workshop, animal house, art & photo section and surgical research laboratory)	Rs. 6.82
Total:	Rs.29.81

*Details in Annexure-VIII.

3. Books and Periodicals:

A grant of Rs. 3 lakhs was sanctioned for books and periodicals with a further grant of Rs. one lakh. The amount was utilized for the purchase of new books, periodicals, back volumes of journals. A certain percentage of grants was also utilised in appointing staff for processing of the books within the permissible quota. The expenditure incurred for the various purposes is given below:

P.T.O.

(1) Books purchased	...	Rs.2,90,000
(2) Annual publications	...	Rs. 70,000
(3) Staff and furniture	...	Rs. 40,000

Total:	...	Rs.4,00,000

During the period 5090 number of books were procured. A list of 287 journals being subscribed presently by the Institute is enclosed as Annexure-IX.

4. Staff:

During the 4th plan, the following posts were sanctioned: Professors-6, Readers-7, Lecturers-21, Clinicians-23 and Demonstrators-10. Besides that a number of other non-teaching posts (technical and para-medical) were also sanctioned. The appointments on these posts were spread over a period of 3 years. All the posts were filled in during the period, except for the following:

Professor of Biophysics	...	1
Mechanics Workshop	...	3
Professor of Psychiatry	...	1
Reader in Clinical Psychology	...	1
Social Worker	...	1
Occupational Therapist	...	1

These posts were since created in the 5th plan.

The Personal Promotion Scheme was also extended to the Institute and 4 Readers and 6 Lecturers were given the benefit of the scheme.

5. Creation of New Departments:

The following new Departments were set up during the 4th plan period:

- (1) Department of Otolaryngology
- (2) Department of Anaesthesiology
- (3) Department of Dental Surgery
- (4) Department of Psychiatry
- (5) Department of Biophysics
- (6) Department of Orthopaedics.

6. Upgrading of the College of Medical Sciences to the Institute:

The Executive Council of the University took the decision to establish the Institute of Medical Sciences by integrating all the Departments of the College. The proposal was approved by the Visitor in March 1971. The Institute of Medical Sciences came into existence with immediate effect. The list of the Departments of the Institute is given in Annexure-X.

7. Training Programme:

(a) Undergraduate Training

During 4th plan period, the admissions to the undergraduate courses (M.B.B.S.) was reduced from 70 to 50 which enabled the staff to devote more time on post-graduate training and development of research in the Institute.

The following improvements took place in the undergraduate training programme during the period:-

- (a) Introduction of integrated teaching
- (b) Separating Pathology and Microbiology examination in the IInd Professional
- (c) Introducing the IIIrd Professional Part I examination comprising P.S.M. & Ophthalmology and E.N.T.
- (d) Full-fledged residential Internship Training at the Rural Health Centre (both for boys and girls).

(b) Postgraduate Training:

The main emphasis of development during the 4th plan period, had been on postgraduate training. During this period, the Institute had the credit of introducing postgraduate courses in all the broad-specialities, satisfactory inspection of the various examinations by the Medical Council and recognition of postgraduate qualifications by the Medical Council of India and their inclusion in the I schedule by the Central Government. The position of the postgraduate courses by the end of 4th plan is given in Annexure-XI.

8. Scholarships and Fellowships

The UGC approved 50% of the postgraduate students for postgraduate scholarship subject to a maximum of 40 per year tenable for a period of 2 years. This scheme worked till the introduction of the residency scheme from 1.1.1974.

P.T.O.

9. Residency Scheme:

The Residency Scheme was introduced from 1st January 1974 in the clinical department and has now been extended to all the pre-para-clinical and clinical departments. The distribution of 210 residents (145 Junior and 65 Senior Residents) is given in the Annexure with the introduction of Residency Scheme, now all the postgraduates are paid.

10. New Schemes:

The following new schemes/projects were started in the Institute:

(i) Neuro-Physiological Unit:- The scheme was sanctioned by the UGC with the following facilities:

<u>Staff:</u> Research Officer	...	1
Sr. Technical Assistant	...	1
Equipment grant	...	Rs. 30,000/-

The Unit has been doing scientific studies on the effect of physical exercises with special reference to Yoga. These scientific studies have provided the ground work to start courses in Yoga and establishing a Yoga Centre in the University.

(ii) Social Obstetrics, Social Paediatrics and Social Psychiatric Projects:

During the last 5 years, the Institute has taken up the above projects extending the services to the rural areas and taking up school health programmes. The Social Psychiatry has further secured international co-operation with the Netherland Government.

(iii) Human Reproduction and Population Dynamics Scheme was started with the help of W.H.O.

11. Research:

The Institute has adopted research as a part of the postgraduate training programme. Besides that teachers are engaged in the various research projects both departmentally and individually. Many of these research projects were financed during the last plan period by the agencies like I.C.M.R., C.S.I.R., U.G.C., PL-480 etc. Almost all the Departments have started Ph.D. programmes in their subjects.

12. Conference and Seminars:

The Institute has been venue of many of all-India Conferences, Seminars. A list of the Seminar/Conferences organised during the period from 1970-1974 is given in Annexure-XIII.

13. Publications:

The staff of the Institute has contributed a large number of research papers, besides a number of books and monographs. Some of the teachers had the privilege to represent international conferences.

14. Hospital Expansion:

The most significant development has been the development of the hospital attached to the Institute of Medical Sciences. The UGC approved 550 bedded hospital with necessary buildings, equipments and recurring maintenance grant. The building complex includes accommodation for indoor-wards, O.P.D., hostel for operation theatre, laundry, kitchen and other auxillary buildings. The O.P.D. building has been completed and occupied. It has solved the problem of shortage of out-door accommodation to a great extent.

PART-IV - FIFTH PLAN DEVELOPMENT PROPOSALS

ation
&
osals:

5.1 The University Grants Commission had requested the Banaras Hindu University to formulate its proposals relating to medical education for the 5th five-year plan period within an allocation of Rs.1.50 crores in two priorities - first priority Rs.1.00 crore and the second priority Rs.0.50 crore. This allocation does not include the requirements of the hospitals.

5.2 The Banaras Hindu University, against the above allocation formulated proposals involving a financial outlay of Rs.1.65 crores in two phases - first phase Rs.1.00 crore and the second phase Rs.0.65 crore. In addition, proposals outside this allocation have also been made for the consideration of the Commission.

P.T.O.

5.3 The break-up of the financial implications of the proposals is given below:

(Rupees in lakhs)

		<u>First Phase</u>	<u>Second Phase</u>	<u>Total</u>
Non-recurring	...	57.90	43.35	101.25
Recurring	...	41.69	21.56	63.25
		-----	-----	-----
Total:	...	99.59	64.91	164.50
		-----	-----	-----

(A) Non-recurring:

		<u>Building</u>	<u>Equipment</u>	<u>Other*</u>
First Phase	...	25.08	27.20	5.70
Second Phase	...	20.00	16.25	7.10
		-----	-----	-----
Total:	...	45.08	43.45	12.80
		-----	-----	-----

*including books.

(B) Recurring:

First Phase	...	41.69
Second Phase	...	21.56

Total:	...	63.25

The summary of the proposals is given in Annexure-XIV.

5.4 The Institute has envisaged the following objectives during the 5th five-year plan period:

- (1) To produce doctors (general practitioners, specialists as well as super-specialists) who can serve the society efficiently in their respective professional settings in India.
- (2) To train medical teachers who can effectively re-orientate the medical education in various disciplines in the Medical Colleges of India towards the needs of the country. In this connection, the Institute aims to start the

postgraduate training programme in various super-specialities leading to the award of Degree of M.Ch. and D.M. in the 5th plan period as a major programme of activity.

- (3) To train research workers who can conduct research on fundamental, applied and operational research on the problems of national importance.
- (4) To strengthen various specialised clinical service in specialities in the Institute's Hospital.
- (5) To cultivate integrated service training and practice in rural medicine.

5.5 The Institute has given the following priorities to its proposals:

- (1) Development of specialities
- (2) Strengthening of the existing departments
- (3) New schemes including (a) Central laboratory (b) setting up of Department of Bio-medical Engineering (c) community medicine (d) post-graduate hostel (e) additional floor in the building (f) administrative staff etc.

5.6 Development of Specialities:

The Institute during the 5th plan period plans to introduce postgraduate courses leading to the award of D.M. and M.Ch. in various super-specialities in the Departments of Medicine and Surgery.

M.Ch.	...	Neuro Surgery
		Urology
		Thoracic Surgery
		Plastic Surgery
		Paediatric Surgery
D.M.	...	Endocrinology
		Neurology
		Cardiology
		Gastroenterology
		Nephrology

5.7 Consolidation of existing Departments:

During the 4th plan period some new postgraduate courses were started and a number of new Departments were set up. Certain basic facilities in respect of para-clinical and other staff are needed for the independent functioning of these Departments. The university has included the requirements for the strengthening of the existing Departments in the 5th plan proposals.

5.8 New Departments:

The university proposes to establish the following new departments in the 5th plan period:

- (i) Department of Radio Therapy and Cancer Research
- (ii) Department of Bio-medical Engineering

5.9 Other Proposals:

Other proposals included within the allocation suggested by the UGC relate to the following:

- (1) Central Services
- (2) Administrative Office
- (3) Students Amenities
- (4) Requirements common for all
- (5) Training of Community Medicine (Rural Areas)
- (6) Central Clinical Laboratory

5.10 Central Services:

This includes (1) Surgical Research Laboratory, (2) Central Animal House, (3) Central Workshop including Gas House (4) Art and Photo Section, (5) Institute Library and (6) Mortuary Complex.

5.11 The requirements common for all Departments/ Sections include equipment, office equipment, furniture, books, racks, Telephone exchange, multi-purpose hall, additional floor in the existing building, space for godown and garrages and laboratory maintenance etc.

The proposals outside allocation include the following:

- (1) 200 more beds in the hospital of the Institute so as to raise its bed strength from 550 to 750
- (2) More scholarships for students and research workers
- (3) Financial assistance for taking over of Kashi Kushtha Sewa Sangh, Sarnath
- (4) More staff quarters.

5.12 The Commission has, prior to the visit of the Committee, already accepted a few proposals of the Institute. These are given in Annexure-XV. This inter-alia includes the introduction of M.Ch. and D.M. courses in Surgery and Medicine.

PART V - VIEWS OF VICE-CHANCELLOR AND
OTHERS

The Vice-Chancellor, Director, Plan Co-ordination, Director of the Institute, Heads of Departments and Sections inter-alia made the following observations:

(1) The Institute of Medical Sciences, Banaras Hindu University and the S.S. Hospital attached to it provide training to the students at the undergraduate and the postgraduate level. The S.S. Hospital of the Institute has been catering the needs of the people of Eastern U.P., Northern Bihar and other adjoining States.

(2) The Institute had originally submitted proposals involving a financial outlay of Rs.4.39 crores for the five years' duration of the plan in the background of the aims and objectives of the Institute in the 5th plan period. However, the UGC requested the university to formulate their 5th plan proposals for the development of medical education within an allocation of Rs.1.5 crores in two priorities, the first being 2/3rd of the total allocation and the second of the remaining 1/3rd. While recasting the plan proposals as desired by the UGC within the suggested allocation, the Institute had to abandon many projects which are originally included in the plan proposals of the Institute.

P.T.O.

(3) The scope of development of the Institute during the remaining plan period will be further reduced if the amount of spill over forms the first charge of the plan allocation suggested by the UGC. The university requests the UGC to treat spill over outside the allocation.

(4) The Institute has started postgraduate courses (M.Ch. and D.M.) in various specialities in the Departments of Medicines and Surgery from July 1976. The UGC has already conveyed its no objection to start the courses and to include the requirements if any under the 5th plan allocation. The staff included for the specialities is the minimum requirements for functioning of each speciality keeping in view the recommendations of the Medical Council of India in this regard. The university has also included the requirements of 200 additional beds for meeting the minimum requirements of Medical Council of India in the specialities which may be provided as the first charge against the 5th plan allocation of the Hospital.

(5) Several new postgraduate courses were started and a number of new departments were set up without adequate additional inputs. Certain basic facilities in respect of para-clinical and administrative staff are absolutely necessary for the effective independent functioning of these departments. In some cases like skin and V.D., T.B. and chest diseases and Micro-biology, the deficiency of staff and space has also been pointed out by the Inspectors of Medical Council of India and this delayed recognition of postgraduate degrees in these subjects.

(6) There is an acute shortage of accommodation for postgraduate students also. The university had requested the U.G.C. for a postgraduate hostel, as the available accommodation is not sufficient. The proposal was approved by the UGC at one stage, but could not be finalized. In this connection, the Committee noted that the university was advised by the U.G.C. to provide the hostel accommodation for medical students out of its plan allocation for the university.

(7) With the creation of many new departments, development of the Institute in the 4th plan, introduction of postgraduate courses in all the specialities, sanction of various projects and schemes by other agencies, the existing accommodation in the present building which was mainly planned for undergraduate training has been found insufficient. During the last inspection of the Department of Microbiology, the Inspector found that the Department of Microbiology has not the adequate space for its development and activities.

(8) According to the requirements of the Medical Council of India for an undergraduate institution, at least one lecture theatre with the capacity of 1,000 students in the institution is necessary, besides, an auditorium. The original plan of the building had a provision for an auditorium which could not materialise. The Institute has only 3 lecture theatres with the capacity of 100 to 150 students. There is a great difficulty in organising joint meeting of the students and staff, conferences and seminars, clinical meetings and examinations for want of a proper hall. The need for multi-purpose hall with a sitting capacity of 1,000 has been badly felt during all the years.

(9) The Institute has over a dozen vehicles with 2 garages. Similarly, there is no space for storage (godowns) which are felt essential.

(10) The process of development of specialities was started during the 4th plan. Some specialities like - Cardiology, Cardiothoracic Surgery, Urology etc. could not be properly developed, because the equipments required for these Departments involved a huge sum.

(11) One of the main problems is with regard to the purchase of office equipments like type-writers, duplicators, water-cooler which can not be purchased out of the equipments grant. Almost all the specialities and the Departments need such facilities periodically for replacement of old office equipments as well as for the new requirements.

(12) The building had the provisions of inter-communication with conduit pipes laid down, the wiring and installation of internal telephone equipments could never be done for want of necessary funds. The internal communication system is badly felt to save time and energy.

(13) During the course of years with the development of the departments, introduction of postgraduate training programme, more number of postgraduate students, additional sanction of staff during the 4th plan and creation of many new departments, there is acute shortage of furniture both for laboratory, seminar and demonstration rooms and office furniture.

(14) The last Visiting Committee did not make any recommendations on the requirements of administrative and clerical staff during the 4th plan and left the matter for the university from its own resources. It may be stated here that no administrative and clerical staff could be provided to the Institute which has grossly affected the smooth functioning of the Departments of the Institute and the implementation of various programmes through the main

administrative office of the Institute. It may be pointed out that a number of Departments were set up during the 4th plan period with no administrative and ministerial staff sanctioned to the Departments. The recommendation of the Committee for giving autonomy cannot be considered unless adequate administrative staff is provided.

(15) There is no provision of scholarship for the undergraduate students which can attract the meritorious and ranking students to join the Institute. In spite of the efforts to maintain all-India character of the Institute, the fact is that only such students who are not selected in other medical colleges or who belong to near by places, only join the Institute. If adequate provision is made for some kind of scholarships for the undergraduate students, this can enable the Institute to maintain high standard of undergraduate teaching.

(16) Although the Institute has introduced Ph.D. programme in all the Departments, there is no provisions of fellowships for the Ph.D. students other than the opportunity to work under some schemes. The Ph.D. programme have proved helpful in promoting the research activities in the Departments. Some kind of fellowship for Ph.D. or research work has been considered essential.

(17) During the last few years, it has been felt that in order to promote the research, the teachers should be provided with adequate facilities for promoting research such as adequate provision for attending the conferences in India and abroad, deputation of postgraduate students to participate in the conferences, typing facilities by providing pool of typist centrally or reimbursing typing charges. Provisions for stationery and postage including reimbursement to the cost of reprints.

(18) Due to increased cost of journals and for want of an annual grant for the journals, a number of journals had to be discontinued in the past. The list of such journals is enclosed (Annexure-XXII).

(19) For the development of super-specialities, the Institute needs 200 beds so that adequate training may be given as recognised by the Medical Council of India. This may be considered as first charge on the hospital's allocation during the 5th plan.

(20) The proposals made by the Institute are the barest minimum. The university requests the acceptance of the proposals in toto in the interest of the advancement of university education in general and the medical education in particular.

P.T.O.

(21) The allocation of 210 residents have been made depending upon the local needs as per details given to the Committee. Out of 210 residents, strength of Senior Residents is only 65. For the proper training, more posts of Senior Residents are needed. In super-specialities at least two Senior Residents should be provided in each speciality so that a minimum of one student may be admitted to the D.M./M.Ch. every year. Further most of the Departments are extending their services to the rural areas under three-tier health care programme and other schemes. For service programmes also more senior posts of Residents are needed. In pre and para-clinical departments Senior Residents are needed for imparting postgraduate training and organizing research activities besides hospital schemes in the Departments like Pathology and Microbiology.

Meeting with the Teachers:

The Committee met the representatives of teachers who requested for the revision of their pay scales and the N.P.A. The note given by the representatives to the Committee is enclosed (Annexure-XXI). The representative were told that according to the policy of the Commission, teachers of all the faculties in a university will be in the same scale of pay.

Meeting with the Students:

The Committee met the representatives of the students and the residents. The representatives requested for additional facilities in the Institute, hospital and in the hostels. Their main demands are summarized below:

(1) Auditorium with 1500 capacity, (2) more funds for books and journals, (3) setting up of the book bank in the Institute, (4) at least 1/3rd of the students be provided with scholarships, (5) increased funds for extra-curricular activities, sports and games, (6) improved canteen facilities, co-operative general stores and stationary, (7) provision for diploma courses such as D.C.H., D.C.P., D.T.C.D. etc.

Hospital:

(1) More beds atleast 400 in the hospital, (2) more technicians, nursing staff and chowkidars in the hospital and O.P.D., (3) bank and P & T office in the hospital for patients and their attendants, (4) increase in X-ray film quota and provision for special investigations, (5) provision for cheap drugs store round the clock, (6) air-conditioning of library, labour room, O.T'S., nursing, intensive care unit etc., (7) opportunities for visiting other centres in

P.T.O.

the country and abroad, (8) public telephone booths in hospitals and hostels, (9) improved and subsidised food and canteen services, (10) refrigerators for every ward for keeping samples, blood and drugs, (11) projectors in each O.P.D. for teaching, seminars and discussions etc., (12) provision for drugs and food for attender patients in general wards and (13) refreshments to emergency duty doctors.

Hostel:

(1) More hostel facilities atleast 250 rooms for residents, (2) furnishing of existing hostels, (3) accommodation for married couples, (4) improved facilities for common rooms, reading rooms and library for every hostel, (5) improved mess and canteen services in the hostels, (6) fans in each hostel, (7) covered badminton courts and tennis courts in the hostels.

3. Meeting with Senior Technical Assistants, Research Officers of the Surgical Laboratory and Casualty Medical Officers, S.S.Hospital:

The Committee received representations from Senior Technical Assistants, Casualty Officers and the Research Officers of the Surgical Research Laboratory. These representations are attached as Annexure XXI.

The Research Officers of the Surgical Research Laboratory have requested for the benefits at par with the teachers of the university. It has been stated by them that they are considered non-teachers and as such they were not given the benefit of:- (1) upgradation and revision of grades like teachers, (2) deputation to conferences and symposia, NPA, etc. like the other teachers of the university.

Senior Technical Assistants:

The Senior Technical Assistants have some avenues of promotion in their cadre. It was stated that some of them have rendered about 10-15 years service.

The casualty medical officers of the S.S.Hospital represented about the revision of their pay scales from the existing Rs.300/- p.m.

The non-teaching staff of the Institute also requested the Committee to provide additional administrative staff in order to cope with the amount of work. It was stated by them that no additional staff was provided during the 4th five-year plan period.

P.T.O.

PART VI - GENERAL OBSERVATIONS

The Committee makes the following general observations:

1. The Institute of Medical Sciences at Banaras is one of the finest medical institutions in our country where the staff are devoted and dedicated and where uniformly excellent work is going on in most of the Departments. As in any big institution, there are some areas of deficiency which need to be improved and supported.

2. Almost all the Departments responsible for imparting training are well-staffed, equipped and are having sufficiently good programme of teaching and training the students. Looking to the increasing cost of equipments, materials and books for the library and the increasing number of the patients for the medical services attending the Institute the proposals which have been put by the Institute of Medical Sciences are reasonably justified and need to be supported.

3. The university should give the highest priority to consolidate the existing Departments at the Institute of Medical Sciences. This is the most urgent need of the Institute.

4. Emphasis should be given on rural health programme both for boys and girls at the undergraduate level so that these graduates should be encouraged to go in the rural areas either for service or for their own private practice. There should be sufficient incentives for the medical graduates to look for service or practice in the rural area with the advancement of medical science so that the benefit of advancement of modern medical sciences could reach to the rural population through the services of our doctor. The rural health programme of the Institute of Medical Sciences is fairly well organised. It is, however, essential to consolidate the programme by sanctioning the necessary requirements and staff as the benefits of such programme will lead to significant improvement of Medical relief and over-all training of undergraduate and post-graduate students.

5. In our rural areas the medical services are not adequate. This does not rule out the possibility to developing the super-specialities by introducing postgraduate courses leading to the award of D.M. and M.Ch. degrees in the various super-specialities in the Departments of Medicine and Surgery. The development of postgraduate courses has its

own place in medical education, but should not let the undergraduate courses be inadequate or suffer in any way in order to look for more postgraduate and Ph.D. courses. The basis of our medical education should have sound footing before it should develop the super-specialities and postgraduate courses.

6. The Institute has introduced postgraduate courses leading to the award of M.Ch. and D.M. degrees in the various specialities of the Departments of Surgery and Medicine from July 1976. The U.G.C. has already conveyed its no objection to start the courses and to include the requirements if any in the 5th plan allocation. The Institute has asked for staff etc. for functioning of each speciality keeping in view the recommendations of the Medical Council of India. They have also included the requirements of 200 additional beds for meeting the minimum requirements of Medical Council of India in the specialities which may be provided out of the hospital funds as the first charge of the hospital allocation during the 5th five-year plan period.

The D.M. and the M.Ch. courses have been introduced from July 1976 in respect of the following super-specialities in the Departments of Medicine and Surgery. Students have also been registered in these specialities as indicated below:

1. Subject in which D.M./M.Ch. started in the Institute	}	D.M.	Cardiology, Neurology, Gastroenterology and Endocrinology.
		M.Ch.	Plastic Surgery, Urology, Thoracic Surgery, Neuro-Surgery & Paediatric Surgery
2. Number of the students admitted to each course	}	<u>D.M.</u>	Neurology ... (2)
			Endocrinology ... (1)
			Cardiology ... (2)
			Gastroenterology... (1)
		<u>M.Ch.</u>	Paed. Surgery ... (1)
			Urology ... (1)
			Plastic Surgery ... (2)
			Cardio Thoracic Surgery ... (-)
			Neuro-Surgery ... (1)

Figures within the brackets indicate the number of students registered for such courses in July 1976.

The D.M. course in Nephrology is to be introduced from July 1977. The matter was discussed in great length by the Committee and the conclusions arrived at in this regard are given below:

- (a) The consolidation of the existing programmes of teaching and research at the Institute be given higher priority over the programmes of introducing D.M. and M.Ch. courses.
- (b) There is a great demand to have trained medical teachers in various disciplines in the Medical Colleges of India. In order to develop the medical teachers training programme in the Institute, it is very much desirable to start the super-specialities leading to degree of M.Ch. and D.M. at the Institute. At present, most of the medical and dental colleges have the teaching staff who hardly had any training in the teaching programme, hence they do not possess the knowledge in their own specialities, but some of them lack in presentation and are not able to carry out the teaching programme successfully. The modern aids in imparting education have improved and those aids should be utilised by the medical and dental teachers to have effective teaching in the institutions. The lead taken by the Institute of Medical Sciences is really praise worthy and the Institute must take this up with their best efforts to develop this programme. But while doing this, the Institute must keep in view the potential and facilities available in the various Sections of Medicine and Surgery in line with the norms laid down by the Medical Council of India in this regard.
- (c) Out of the existing Sections, Plastic Surgery, Paediatric Surgery, Thoracic Surgery, Urology and Neurosurgery have been carrying out good work in spite of the limited beds allotted to them and very inadequate equipments and staff available to them. The quality of the work carried out in the Departments of Paediatric Surgery, Plastic Surgery and Urology would make them eligible to hold M.Ch. course provided they are given required beds and staff immediately. The Department of Neurosurgery will have to increase its total work output further. The Department of Thoracic Surgery and Cardiology are unable to carry

out any open heart programme and cardiac catheter work respectively because of total lack of most essential facilities such as heart lung machine and cardiac catheter set up etc. Whether these two Sections can conduct the M.Ch. course should be decided by the Indian Medical Council as soon as possible.

- (d) Similarly in the Department of Medicine except for the Section of Neurology other Sections may wait till the requisite facilities are made available to introduce D.M. course. The Committee supports the introduction of D.M. in Neurology at this stage for others the M.C.I. be invited to advise.
- (e) It is, however, essential to support all those Sections where the Committee has not recommended the introduction of M.Ch. and D.M. courses and provide them with the required facilities for the benefit of the needy patients in the Eastern U.P., Western Bihar and Northern parts of M.P. In an Institute like the Institute of Medical Sciences, it is essential to have higher training facilities. It would be wrong not to support these super-specialities at this stage as it will further weaken areas which are already weak.
- (f) The Committee recommends that each Section of Medicine and Surgery be headed by a Professor and the university may think of upgrading these Sections into independent Departments in course of time. The Committee recommends the provision of Professor in all the Sections of the Departments of Surgery and Medicine where such faculty positions are not available.
- (g) The university has already registered students in the various super-specialities of medicine and surgery (page 36). It has not been possible for the Committee to recommend the introduction of all the super-specialities in medicine and surgery as discussed earlier in the report. The Committee is, however, inclined to suggest that the students already admitted may be allowed to complete their studies without any difficulty. The future registration of students may, however, be made in accordance with the observations of the Committee.

7. While distributing the beds in the new hospital, one will have to take into consideration the special requirements of each Department. It will be essential to provide facilities for central oxygenation and central suction in special areas where critically ill patients will be kept as soon as possible. In the new hospital building basement should be utilised for Mortuary and postmortem work.

8. The Department of Radiotherapy and Cancer Therapy should be grouped under the Department of Oncology with joint control from the Radiotherapist and surgical staff incharge Cancer Surgery.

9. The Committee suggests the creation of Central Clinical Laboratory (Bio-Chemical and Pathological) which will improve the laboratory facilities available to the patients and better utilization of the staff and equipments.

10. The Committee feels that it would be necessary to establish a separate Department of Immunology with complete collaboration from the Department of Pathology, Micro-Biology and Bio-Chemistry and Transplantation Surgery, Establishment of an independent Department will lead to further strengthening of this very important discipline at the Institute.

11. Steno-typist-cum-clerical staff must be supplied to each Department. The UGC should study the total requirements taking into consideration the senior staff attached to each Department and the work-load. To start with one steno-typist should be sanctioned for each Department immediately.

12. With the increase in the required staff and the postgraduate students at the Institute, it will be most essential to provide suitable living quarters and hostels for the staff and students as soon as possible.

13. A suitable sized auditorium and place for students gymnasium should be provided if possible close to the Institute.

14. A few posts of Readers and Lecturers are lying vacant besides some posts of Professors. The university has appointed temporary Lecturers against most of these posts. In the opinion of the Committee this is not a healthy arrangement and the university should take urgent steps to make regular and permanent appointments against these posts. The Committee, in its report of each Department has expressed its concern about the filling up of vacant posts.

P.T.O.

15. The Banaras Hindu University is a Central University and used to have an all-India character in regard to the composition of students and faculty. However, in recent years the student enrolment has been mostly from the States of U.P. and Bihar. This is also true by and large in respect of the Institute of Medical Sciences. The Committee suggests that the Institute should strive to retain its all-India character and attract students from all over the country. It would be desirable to provide scholarships and fellowships for attracting the students from all over the country.

16. The Committee also suggests that the Institute should attract the best teachers, scholars and researchers from all over the country and even from abroad. It should take all possible steps to avoid inbreeding. Highly qualified staff from outside will bring in new outlook and freshness to the Departments and the university.

17. Four Readers and 5 Lecturers were given the benefit of personal promotion scheme in various departments. The present position of such faculty have been taken into consideration while assessing the over-all needs of these departments. The situation will, however, change as and when these positions fall vacant. At that stage, it would be desirable to provide positions corresponding to the personal promotions so as to keep the optimum faculty positions in the concerned departments in order to cope with its programmes of teaching and research.

PART VII: PROPOSALS AND RECOMMENDATIONS

The proposals made by the Institute are discussed in the following pages of the report along with the recommendations of the Committee:

1. DEPARTMENT OF ANATOMY

1. The Department of Anatomy was established in 1960. It offers courses leading to the award of the degrees of M.B.B.S., M.S., Ph.D. and other degrees/diplomas such as D.Ay.M., B.P.Ed. and Nursing.

2. The student enrolled during the period 1971-76 in/

Course	1971-72	1972-73	1973-74	1974-75	1975-76
M.B.B.S.	60	62	59	62	61 (each class)
M.S.	3	1	2	-	2
Ph.D.	1	-	2	1	2

Various courses are given below:

3. The faculty of the department includes one Professor, three Readers and one Lecturer. Posts of one Lecturer is lying vacant. The vacant post may be filled early.

4. The research work in the department is being done in the areas of: Teratology, Sexing of bones and Neuro-anatomy. 159 research papers were published by the faculty so far. One research project financed by I.C.M.R. is being pursued in the department. The faculty participated in several International and National Conferences.

5. The main objectives of the department during the 5th plan period are as under:-

- (i) To develop the department further on teratological research which would include facilities for doing work in cytogenetics and tissue/organ culture along with the use of electronmicroscopy;
- (ii) To develop Neuro-anatomy for training both to undergraduate and postgraduate students.

6. The Committee makes the following observations:

(a) The department has been doing commendable research work in the area of Teratology and Neuroanatomy. It has a well-established museum.

(b) Some of the deficiencies of the department are:

(i) Heavy teaching load, (ii) lack of technical staff, (iii) lack of senior faculty position to teach Neuro-anatomy, Histology and Embryology, (iv) lack of equipment such as cryostat, orthomat, microscope, mortuary cooling plant etc., (v) inadequate grant to meet the increased cost of animals and chemicals.

(c) The department is one of the finest departments of anatomy in the country. The standard of knowledge of postgraduate students was excellent. However, this was not so at the undergraduate level because of the significant dearth of teachers. The quality of research work in teratology and neuro-anatomy is very high. The publications from the department in the national and international journals are of very high standard. The department has a very good artist section.

P.T.C.

7. The Committee recommends additional faculty, other staff and provision for books, journals and equipment during the 5th plan period.

		<u>Ist</u>	<u>2nd</u>
		<u>P r i o r i t y</u>	
		(Rs. in lakhs)	
(a) <u>Non-recurring:</u>			
Books	...	0.30	0.20
Equipment	...	<u>1.00</u>	<u>0.50</u>
	Total:	<u>1.30</u>	<u>0.70</u>

(b) Recurring:

Professor	...	1	-
Reader	...	1	-
Lecturer	...	2	-
Others*	...	3	-

(c) Specialisation of the faculty recommended:

Professor in Neuroanatomy under 1st priority
Reader in Teratology under 1st priority

* Sr.Tech.Asstt-1;
Lab. Asstt -1;
Animal Attendant-1.

The Committee also suggests that faculty of the Department of Surgery be involved in the teaching programmes of the Department.

2. DEPARTMENT OF PHYSIOLOGY

1. The Department of Physiology was established in 1960. It offers courses leading to the award of the degrees of M.B.B.S., M.D., Ph.D. and other degrees/diplomas such as D. Ay.M., M.Sc. (Bio-chemistry), B.P.Ed., etc. It also participates in the teaching programme of Nursing and Technician's Training.

2. The student enrolled during the period 1971-76 in various courses are given below:

Course	1971-72	1972-73	1973-74	1974-75	1975-76
M.B.B.S. ..	60	63	60	66	70 each class
M.D. ..	4	-	2	2	2
C.Ay.M. ..	20	20	20	20	20
Ph.D. ..	6	1	-	2	-
Nursing ..	12	12	12	12	24
Phys.Education	-	-	28	30	31
Technicians Training	-	-	-	-	12
M.Sc.(Biochem.) (Science Faculty)	8	10	10	12	12
M.Tech. .. (Electronics, T.T.)	-	-	-	-	2

3. The faculty of the department includes one Professor, three Readers and four Lecturers. Posts of two Lecturers are lying vacant. The vacant posts may be filled early. The Committee noted that one temporary Lecturer was working against one post.

4. The research work in the department is being done in the areas of:- (a) Neuro-Physiology, (b) Cardiovasentor, Physiology, (c) Nutrition, (d) Endocrinology and Reproductive Physiology, (e) Respiratory Physiology. 49 research papers were published by the faculty during 1971-76. 8 projects financed by I.C.M.R./U.G.C./C.S.I.R./I.C.A.R. and U.S.E.F.I. etc. are being pursued in the department. The faculty participated in various International and National Conferences.

5. The main objectives of the department during the 5th plan period are as under:-

- (i) Expansion of Neuro-physiology unit.
- (ii) Development of Endocrinology and Reproductive Physiology Unit.
- (iii) To develop sports medicine unit in collaboration with the Department of Physical Education of the university.
- (iv) Development of the various research plans of the Department.

P.T.O.

6. The Committee makes the following observations:

(a) The Units of Neurophysiology, Endocrinology and Re-productive Physiology were established in the 4th plan period. Three faculty members are abroad for training in Neuro-physiology, Nutrition and Re-productive Physiology.

(b) There is an acute shortage of space in the department. This was also pointed out by the 4th plan Visiting Committee to be provided by adjustment, but could not be done. In addition, funds are also needed for equipment to be imported. The important licences had been already obtained.

7. The Physiology Department is well-developed and has a very strong group, particularly the Neuro-Physiology and the Physiology of Intestinal absorption group. The Committee was impressed with the overall growth of the department.

8. The Committee recommends additional faculty and provision for books, journals, equipment and accommodation during the 5th plan period:

		<u>Ist</u>	<u>2nd</u>
		<u>P</u>	<u>r</u>
		<u>i</u>	<u>o</u>
		<u>r</u>	<u>r</u>
		<u>i</u>	<u>i</u>
		<u>t</u>	<u>t</u>
		<u>y</u>	<u>y</u>
		(Rs. in lakhs)	
(a) <u>Non-recurring:</u>			
Space	...	2.00	-
Books	...	0.30	0.20
Equipment	...	1.00	0.50
		-----	-----
	Total:	3.30	0.70
		-----	-----

(b) Recurring:

Professor ... 1

(c) Specialisation of the faculty recommended:

Professor in Neurophysiology under
1st priority.

P.T.O.

3. DEPARTMENT OF BIO-CHEMISTRY

1. The Department of Bio-Chemistry was established in 1960. It offers courses leading to the award of the degrees of M.B.B.S., M.D., Ph.D. and other such as D.Ay.M.

2. The student enrolled during the period 1971-76 in various courses are given below:

Course	1971-72	1972-73	1973-74	1974-75	1975-76
M.B.B.S.	60	62	59	62	61 each year
M.D.	-	2	1	-	3
Ph.D.	2	2	2	2	3
D.Ay.M.	-	-	20	20	20

3. The faculty of the department includes one Professor, two Readers and one Lecturer. No post is lying vacant.

4. The research work in the department is being done in the areas of: Biochemistry and Molecular Biology covering (i) Analytical enzymes as diagnostic and prognostic tools in cancer, (ii) Ascorbic acid statute in thyroid disorders, (iii) Neurochemistry, (iv) Molecular basis of host-virus interaction, (v) Cell structure and function. 161 research papers were published by the faculty so far. 10 projects financed by I.C.M.R./U.G.C./C.S.I.R./D.S.T., D.A.E. and Jane Cottin Childs Memorial Fund for Medical Research etc. are being pursued in the department. The faculty participated in many International and National Conferences.

5. The main objectives of the department during the 5th plan period are as under:

- (i) Reorientation of training in Biochemistry for undergraduate students as per recommendations of Medical Council of India and all round improvement of the postgraduate training in view of the introduction of residency programme.

P.T.O.

- * 13 *
- (ii) Raising the research standard to the highest possible level (studying clinical problems at molecular level). The specific interest will be in the field of Viral Etiology of cancer and metabolic disorders in cardiac diseases.
 - (iii) To develop Molecular Biology Unit, the department is actively engaged in researches mainly in the areas - (a) clinical biochemistry and (b) molecular biology. In the field of clinical biochemistry emphasis is being laid on cancer research and in the field of molecular biology the two areas picked up are - (i) molecular basis of host-virus interaction and (ii) structure and function of ribosome. During the 5th plan more emphasis will be laid on these areas.
 - (iv) To develop the department as an advance centre in Molecular Medicine.

6. The Committee makes the following observations:

(a) The department has been doing commendable research work in the areas of Molecular Biology. The research activities of the department have been boosted by strong support from several granting organization of this country and abroad.

(b) The department lacks in faculty position and sophisticated instrumentation like Atomic absorption spectrophotometer, spectrofluorimeter and automatic analyser.

(c) The Spinco Preparative Ultracentrifuge equipment was received under 12 million dollar scheme in a highly damaged condition with most of the electrical circuits and rotors missing. To put the instrument into operation and to have some extra accessories additional funds about Rs.1.5 lakhs would be required.

7. The Department of Biochemistry and its molecular biology unit has developed into a very well-known department in the country and some of the outstanding contributions have come from this department. The department has very well developed Ph.D. and M.D. programme and they have also been able to develop various facilities for bio-chemical and molecular biology studies. The Committee was impressed with the development of the department.

P.T.O.

B. The Committee recommends additional faculty, other staff and provision for books, journals and equipment during the 5th plan period:

		<u>1st</u> <u>Priority</u>	<u>2nd</u> <u>Priority</u>
(Rs. in lakhs)			
(a) <u>Non-recurring:</u>			
Books	...	0.30	0.20
Equipment	...	1.00	0.50
		----	----
Total:	...	1.30	0.70
		----	----

(b) Recurring:

Professor	...	1	-
Lecturer	...	1	-
Others*	...	1	-

(c) Specialisation of the faculty recommended:

Professor in Membrane Bio-chemistry under 1st priority.

Lecturer in Molecular Bio-chemistry.

* Animal Attendant.

4. DEPARTMENT OF BIOPHYSICS

1. The Department of Biophysics was established in 1971. It offers courses leading to the award of the degrees of M.B.B.S., M.D. and Ph.D. It also participates in the Technician's Training Programme.

2. The student enrolled during the period 1971-76 in various courses are given below:

Course	1971-72	1972-73	1973-74	1974-75	1975-76
M.B.B.S.	60	62	59	62	61
M.D.	-	-	1	1	-
Ph.D. - Passed-1, Thesis submitted-2, Working-1.					

P.T.O.

3. The faculty of the department includes one Reader and one Lecturer. Post of one Professor is lying vacant. This vacant post be filled immediately. It was noted that the Reader is also on long leave.

4. The research work in the department is being done in the areas of: (1) Radiation in Medical Biophysics, (2) Studies on Monoamine oxidase and related enzymes, (3) Macromolecular Biophysics of viruses and proteins, (4) Viral Biophysics, (5) RBC membranes proteins, (5) Cellular regulation and (6) Exercise and Stress. 20 Research papers were published by the faculty so far. 2 projects financed by I.C.M.R. and U.G.C. are being pursued in the department.

5. The main objectives of the department during the 5th plan period are as under:

- (i) To improve the postgraduate teaching programme and research facilities.
- (ii) Consolidate and organise undergraduate teaching.

6. The Committee makes the following observations:

- (a) The department which started from scratch in 1971, is now equipped and recognised for M.B.B.S. and conducting M.D. (Biophysics) and Ph.D. courses.
- (b) The department has produced the first M.D. (Biophysics) in the country.
- (c) During the last Inspection by the Medical Council of India (September 1975), the Inspector pointed out the deficiencies of equipment and experienced staff in the areas of Biophysical Chemistry of proteins and lipids, Biochemical Engineering with electronics as a major background, Nuclear Medicine, Solid State Biophysics.
- (d) The department lacks of necessary office staff and space.

7. The development in the Department of Biophysics is very poor. The post of Professor is lying vacant and the Reader is on long leave. Considering the importance of this subject in the overall growth of the Basic Sciences in the Institute, the Committee feels that this department needs to be strengthened immediately and the university must fill up the vacant post of Professor in

order to make the department a viable unit. The Committee suggests to the university to give special attention towards the development of this department.

8. The Committee recommends additional staff and provision for books and journals and equipment during the 5th plan period:

		<u>1st</u>	<u>2nd</u>
		<u>P r i o r i t y</u>	<u>P r i o r i t y</u>
		(Rs. in lakhs)	
(a) <u>Non-recurring:</u>			
Books	...	0.30	0.20
Equipment	...	1.00	0.50
	Total:	1.30	0.70
(b) <u>Recurring:</u>			
Others	...	2*	
*Laboratory Assistant-1; Steno-typist -1.			

5. DEPARTMENT OF PHARMACOLOGY

1. The Department of Pharmacology was established in 1962. It offers courses leading to the award of the degrees of M.B.B.S., M.D., Ph.D. and other such as D.Ay.M.

2. The student enrolled during the period 1971-76 in various courses are given below:

Course	1971-72	1972-73	1973-74	1974-75	1975-76
M.B.B.S.	59	53	52	69	51 each class
M.D.	1	4	-	1	2
Ph.D.	(b) Recurring:		3	3	1

3. The faculty of the department includes three Professors, two Readers and two Lecturers. No post is lying vacant.

P.T.O.

4. The research work in the department is being done in the areas of: (i) Cardiovascular Pharmacology, (ii) Neuro-psycho-pharmacology, (iii) Gastric Pharmacology (iv) Indigenous drug research, (v) Pharmacology of Poikilothermic animals; (vi) Biopharmaceutics and Phytochemistry and (vii) Clinical Pharmacology. 207 research papers were published by the faculty so far. 19 projects financed by I.C.M.R./U.G.C./I.C.A.R. and C.C.R.I.M.H. are being pursued in the department. The faculty participated in International and National Conferences.

5. The main objectives of the department during the 5th plan period are as under:

- (i) Starting and development of Clinical Pharmacology.
- (ii) Development of Autocoid Pharmacology.
- (iii) Starting and development of Endocrine Pharmacology including reproduction.
- (iv) To start postgraduate course in Clinical Pharmacy.

6. The Committee makes the following observations:

- (a) During the last five years, the following research laboratories were set up in the Department:
 - (i) Psycho-neuro-pharmacology;
 - (ii) Cardio-vascular Pharmacology;
 - (iii) Gastric Pharmacology;
 - (iv) Indigenous drug Pharmacology; and
 - (v) Phytochemistry and Pharmaceutics.
- (b) The department has been attracting research scholars from medical (including clinical) Veterinary, Pharmacy, Agriculture and Basic Sciences.
- (c) The research facilities of the department are used by:
 - (i) Other Institutes in India namely viz. C.D.R.I., Lucknow and Institute of Experimental Medicine, Calcutta.
 - (ii) Other Departments of Banaras Hindu University namely Pharmaceutics, Psychology and Chemistry.

(iii) Other Departments of the Institute namely- Physiology, Medicinal Chemistry, Medicine, Paediatrics, Surgery, Anaesthesiology, Ophthalmology, Dermatology, Dravyaguna, Prasuti Tantra and Obst. & Gynaecology.

(d) There is an acute shortage of space in the department. The 4th Plan Visiting Committee had suggested provision of 6000 sq.ft. floor area to be provided by adjustment. Only about 1000 sq.ft. could be provided.

7. The Pharmacology group is engaged in a good programme of Neuro-Pharmacology but the Clinic Pharmacology was found lacking in the department. The Committee feels that a Clinic Pharmacology unit may be started in collaboration with the Pharmacology Department.

8. The Committee recommends additional faculty, other staff and provision for books and journals, equipment and accommodation during the 5th plan period:

(a) <u>Non-recurring:</u>		<u>1st</u> <u>2nd</u>	
		<u>P r i o r i t y</u>	
		(Rs. in lakhs)	
Space	...	2.00	
Books	...	0.30	0.20
Equipment	...	1.00	0.50
Total:		3.30	0.70

(b) Recurring:

Lecturer	1
Others	2*
*Laboratory Assistant-1;	
Animal Attendant -1.	

The department should develop Clinical Pharmacology with the existing facilities.

6. DEPARTMENT OF PATHOLOGY

1. The Department of Pathology was established in 1960. It offers courses leading to the award of the degrees of M.B.B.S., M.D., Ph.D. and other such as D.Ay.M.

2. The student enrolled during the period 1971-76 in various courses are given below:

Course	1971-72	1972-73	1973-74	1974-75	1975-76
M.B.B.S.	59	53	53	69	51 each
M.D.	-	5	4	1	9
Ph.D.	Enrolled = 6				
D.Ay.M.	20	20	20	20	20

3. The faculty of the department includes two Professors, three Readers and four Lecturers. Posts of two Lecturers are lying vacant. The vacant posts may be filled up early. It was noted that two temporary Lecturers are working against these posts.

4. The research work in the department is being done in the areas of: (i) Blood Coagulopathy, (ii) Erythrocyte enzymes and abnormal haemoglobins, (iii) Immunoglobulins in changes in different pathological disorders and characterization of paraproteins, (iv) Studies on isoenzymes, nutritional values of food items and Arginine toxins, (v) Morphological studies on various tumours. 300 research papers were published by the faculty from 1971. 8 projects financed by I.C.M.R., U.G.C. and C.S.I. were undertaken in the department and completed. One project of the C.S.I.R. is in hand.

5. The main objectives of the department during the 5th plan period are as under:

- (i) To augment the development of sections of haematology, immunology and nutritional pathology.
- (ii) To develop the newer fields of: Ultramicrotomy and electron microscopy; Nutritional haematology; Neuro-pathology; Tumour immunity; Cytology.
- (iii) Blood banking facilities including blood fractionation techniques and lyophilisation.
- (iv) To consolidate the hospital laboratory facilities.

6. The Committee makes the following observations:
- (a) The department has expanded and developed the laboratory facilities in some special areas. In Haematology large number of advanced technique were developed. Blood Coagulation laboratory was recognised as a national treatment centre for Haemophilia by World Federation of Haemophilia.
 - (b) Chemical Pathology Laboratory has been selected for Quality Control by Government of India as one of the 12 laboratories in the country.
 - (c) The Clinical Immunology Unit has developed a number of advanced immunological techniques which are available for research and hospital services.
 - (d) There is a shortage of microscopes, research microscopes and other equipment like, Spectrophotometer, a large Refrigerated Centrifuge, Cryostat. Facilities for Fractionation of Blood Components and Lyophilization of Plasma and its components at the Blood Bank are also lacking.

7. The Professor of Pathology is out of India on an another assignment. Apart from Morbat Anatomy and Histology, the Pathology is also responsible for Immunology, Nutritional Pathology, Neuro-Pathology and Haematology. In all these areas good work is being done and research papers published. The Committee noted that the department is concerned with the clinic biochemical responsibilities of the hospital. This in the opinion of the Committee needs to be rectified.

8. The Committee recommends additional faculty, other staff and provision for books and journals and equipment during the 5th plan period:

	<u>1st</u>	<u>2nd</u>
	<u>P r i o r i t y</u>	
	(Rs. in lakhs)	
(a) <u>Non-recurring:</u>		
Books	0.30	0.20
Equipment	1.00	0.50
Total:	1.30	0.70

P.T.O.

(b) <u>Recurring:</u>		Ist Priority	2nd Priority
Professor	...	1	-
Reader	...	1	-
Others	...	1*	

(c) Specialisation of the faculty recommended:
 Professor in Immuno-Pathology under 1st priority.
 Reader in Cytology under 1st priority.
 The Committee noted that a person is already incharge of the Blood Bank.

* Sr. Technical Assistant-1.

7. DEPARTMENT OF MICROBIOLOGY

1. The Department of Microbiology was established in 1964. It offers courses leading to the award of the degrees of M.B.B.S., M.D., Ph.D. and other degrees/diplomas such as M.Sc. (Bio-chemistry). It also participates in the Nursing Training and Technician's Training programme.

2. The student enrolled during the period 1971-76 in various courses are given below:

Course	1971-72	1972-73	1973-74	1974-75	1975-76
M.B.B.S.	59	53	52	69	51 each class
M.D.	3	2	2	2	1
Ph.D.	-	1	-	-	2

3. The faculty of the department includes one Professor, one Reader and one Lecturer. Posts of one Reader and one Lecturer are lying vacant. The vacant posts may be filled up early. It was noted that two temporary lecturers are working against these vacant posts.

4. The research work in the department is being done in the areas of:- (i) Inheric Infections, (ii) Immunology (iii) Mycology and (iv) Mycobacteria. 40 research papers were published by the faculty during the last five years. Two projects financed by I.C.M.R. and C.S.I.R. are being pursued in the department.

5. The main objectives of the department during the 5th plan period are as under:

- (i) Consolidation of existing facilities by acquiring staff, space and equipment to obtain recognition of the Medical Council of India.
- (ii) To make the research efforts more community oriented.
- (iii) Consolidation of the Enteric Infection Unit, besides other units, like Bacteriology, Virology, Immunology, Serology, Parasitology and Mycology.
- (iv) As a future plan to start M.Sc. (Microbiology).

6. The Committee makes the following observations:

- (a) The department is a well known centre for research and training in Medical Microbiology in general and Enteric Infections in particular.
- (b) During the last inspection of the department by the Medical Council of India, the following deficiencies were pointed out by the Inspector because of which M.D. qualification is yet to be recognised by the Medical Council of India.
 - (i) Staff: At least one additional post of Associate Professor and other technical and non-technical staff.
 - (ii) Accommodation: was found grossly inadequate. All available space (verandas, space under stair-case, corridors) already in use. No room for reception of specimens, for patient and personal giving specimen and collecting results, for recording an inquiry in the diagnosis system. No library and seminar room. Space for Clinical Microbiology insufficient. There is no room for P.G. laboratory and staff, animal experiment room. Space for breeding animals.

P.T.O.

(iii) Equipment:- Lack of cold room, deep freezes refrigerated high speed centrifuges, freeze drawing equipment. Although some of the facilities have already been provided, the department is in badly need of additional space, some essential equipments, and additional staff to get the M.D. recognised by the Medical Council of India.

7. The work of the department is mainly service oriented. The research achievements are mainly in the field of Enteric Infections. The laboratory facilities for postgraduate training need to be improved. Accommodation for Microbiological Laboratory is inadequate. The work in the field of Bacterial Immunology needs improvement.

8. The Committee recommends additional faculty, other staff and provision for books and journals and equipment accommodation during the 5th plan period:

		<u>1st</u>	<u>2nd</u>
		<u>P r i o r i t y</u>	<u>P r i o r i t y</u>
		(Rs. in lakhs)	
(a) <u>Non-recurring:</u>			
Space	...	4.25	-
Books	...	0.30	0.20
Equipment	...	2.00	1.00
		----	----
	Total:	6.55	1.20
		----	----
(b) <u>Recurring:</u>			
Professor	...	-	1
Reader	...	1	-
Lecturer	...	2	-
Others	...	4*	2@
(c) Specialisation of the faculty recommended:			
	Professor in Immunology	under 2nd priority.	
	Reader in Parasitology	under 1st priority.	
	Lecturers in (i) Immunology & (ii) Bacteriology	under 1st priority.	

* Sr.Tech.Asstt-1; Lab.Asstt-1;
Animal Attendant-1; Lab. Attendant-1.

@ Sr.Tech.Asstt-1; Lab.Asstt-1.

8. DEPARTMENT OF FORENSIC MEDICINE

1. The Department of Forensic Medicine was established in 1964. It offers courses leading to the award of the degrees of M.B.B.S., M.D. and Ph.D.

2. The student enrolled during the period 1971-76 in various courses are given below:

Course	1971-72	1972-73	1973-74	1974-75	1975-76
M.B.B.S.	59	53	52	59	51 each class
M.D.	1	2	1	-	1 (76-77)
Ph.D.	-	-	-	-	1 1(76-77)

3. The faculty of the Department includes one Professor, one Reader and one Lecturer. Against the post of Lecturer, only temporary Lecturer is working. The post may be filled up permanently early.

4. The research work in the department is being done in the areas of:- (i) Drug dependence, (ii) Forensic Immunology, (iii) Forensic Anthropology, (iv) Studies on hairs and bones, (v) Suicidology. 50 research papers were published by the faculty so far. One project financed by W.H.O. is being pursued in the department.

5. The main objectives of the department during the 5th plan period are as under:-

- (i) Consolidation of existing facilities for undergraduate and postgraduate teaching.
- (ii) To improve mortuary facilities.
- (iii) To develop museum by acquiring additional space and facilities.
- (iv) To organise Medical Legal Training to the Interns.

6. The Committee makes the following observations:

- (a) The department needs a mortuary complex, space for museum and furniture for post-mortum room for demonstration to undergraduate students.

P.T.O.

(b) There is a need of authorisation for the teachers of the Department to conduct Medico-Legal Post-Mortum of Varanasi district. This has also been pointed out by the Inspector of Medical Council of India.

7. The Forensic Medicine Department has a good museum which has to be properly accommodated. The Autopsy is near the department and is not in a satisfactory state. A full Autopsy complex attached to the hospital complex is essential.

8. The Committee recommends additional faculty, other staff and provision for books, journals and equipment during the 5th plan period.

		<u>1st</u>	<u>2nd</u>
		<u>P r i o r i t y</u>	
		(Rs.in lakhs)	
(a) <u>Non-recurring:</u>			
Books	...	0.30	0.20
Equipment	...	0.50	0.50
		-----	-----
	Total:	<u>0.80</u>	<u>0.70</u>
(b) <u>Recurring:</u>			
Lecturer	...	1	-
Others*	...	4	-

* Steno-typist-1; Museum Curator-1;
Store-keeper-1; Dome-1.

9. DEPARTMENT OF OBSTETRICS & GYNAECOLOGY

1. The Department of Obstetrics & Gynaecology was established in 1960. It offers courses leading to the award of the degrees of M.B.B.S., M.D. and Ph.D.

2. The student enrolled during the period 1971-76 in various courses are given below:

Course	1971-72	1972-73	1973-74	1974-75	1975-76
M.B.B.S.	59	53	52	69	51 each class
M.D.	6	8	6	5	4

3. The faculty of the department includes one Professor and four Lecturers. Posts of two Readers are lying vacant. The vacant posts may be filled early. It was noted that two temporary Lecturers are working against the vacant posts of Readers.

4. The research work in the Department is being done in the areas of:- (i) studies on amniotic fluid; (ii) the well-being of the foetus and mother during labour; (iii) special studies on the malignancies of the genital tract. 50 research papers were published by the faculty so far.

5. The main objectives of the department during the 5th plan period are as under:

- (i) To consolidate the postgraduate training programme.
- (ii) To develop Social Obst. Services.
- (iii) To develop and expand research facilities including cancer detection and infertility clinics.

6. The department organized Social Obstetrics Scheme during the last 5 years.

7. The department has undertaken a great deal of work and also got themselves keenly interested in the Family Planning programme. Both the Obstetrics patients as well as in-patients facilities need to be further strengthened.

8. The Committee recommends additional faculty, other staff, provision for books, journals and equipment during the 5th plan period.

		<u>1st</u>	<u>2nd</u>
		<u>P r i o r i t y</u>	
		(Rs. in lakhs)	
(a) <u>Non-recurring:</u>			
Books	...	0.30	0.20
Equipment	...	1.00	0.50
	Total:	<u>1.30</u>	<u>0.70</u>
(b) <u>Recurring:</u>			
Professor	...	-	1
Reader	...	1	-
Others*	...	1	-

- (c) Specialisation of the faculty recommended:
Reader in Social Obstetrics under 1st priority.

* Store-keeper-1.

10. DEPARTMENT OF PREVENTIVE & SOCIAL MEDICINE

1. The Department of Preventive and Social Medicine was established in 1960. It offers courses leading to the award of the degree of M.B.B.S., M.S./M.D. and Ph.D.

2. The student enrolled during the period 1971-76 in various courses are given below:

Course	1971-72	1972-73	1973-74	1974-75	1975-76
M.B.B.S.	59	52	52	69	51 (each class)
M.D.	5	2	2	4	4
Ph.D.	-	-	1	-	1

3. The faculty of the department includes one Professor one Reader and five Lecturers. Posts of one Professor and Two Readers are lying vacant. The vacant posts may be filled early. It was noted that one temporary Lecturer was working against the vacant post of Reader.

4. The research work in the department is being done in the areas of: (a) Studies on M.C.H. & F.P. (b) Operational research studies in organisation of community health services (c) Epidemiological studies in communicable diseases specially cholera, enteric infections and filariasis (d) Research in Social Aspects of Health and (e) Research in Rural Health Planning. 421 research papers were published by the faculty so far. 5 projects financed by I.C.M.R./U.G.C./I.C.S.S.R. and Government of India etc. are being pursued in the department. The department is to collaborate with the Liverpool University for Postgraduate Training and Research under the B.U.C. Programme. The programme is yet to be implemented.

5. The main objective of the department during the 5th plan period are as under:

- (i) To consolidate the existing training programme with additional staff (field and teaching) as per recommendations of Medical Council of India
- (ii) To develop research in Rural Health Planning & Social aspects of Rural Health.
- (iii) To organise Epidemiological Unit and develop Statistical Section with more and resources.
- (iv) Urban Health Centre inputs as per recommendations of the Medical Council of India.

P.T.O.

6. The Committee observed that:-
- (a) The department has given a tremendous push to the field training programme.
 - (b) Rural Health Centre Unit has been established through donations of the land from the public; Urban Health Centre is being run as a registered Kalyan Samiti in a building at a token rent of Rs.1/-.
 - (c) The field examination pattern of the department has been a unique achievement which is being followed in many other universities in the country.
 - (d) Research scholars from Science Faculty use P.G. laboratory for water chemistry and water bacteriology. Training facilities at the Urban and Rural Health Centre are availed by Regional Family Planning Centre, Kashi Vidyapith, Social Science Faculty and Nursing School of the Institute.
 - (e) The department has remodelled the University Health Services, provide Comprehensive Health Care through scientific utilisation of resources. The department is also organising a General Practice Unit in the University Health Centre.
7. Some of the deficiencies of the department are:
- (a) Permanent structure for the laboratory preferably within the main building.
 - (b) Statistical laboratory required air-conditioning.
 - (c) The old shorter counter has to be replaced.
 - (d) Shortage of space for the department.
 - (e) At Rural Health Centre - adequate hostel staff, housing facilities and a diesel operated vehicle.
 - (f) Staff for Centre as per recommendations of the Medical Council of India.

8. The Committee recommends additional faculty, other staff and provision for books and journals and equipment during the 5th plan period:

		<u>Ist</u>	<u>2nd</u>
		<u>P r i o r i t y</u>	<u>P r i o r i t y</u>
		(Rs. in lakhs)	
(a) <u>Non-recurring:</u>			
Books	...	0.30	0.20
Equipment	...	1.00	0.50
		----	----
	Total:	1.30	0.70
		----	----
(b) <u>Recurring:</u>			
Reader	...	1	-
Lecturer	...	1	-
Others	...	15*	-

(c) Specialisation of the faculty recommended:

Reader in Health Statistics under 1st priority

* Auxillary Nurse Midwife-1; Health Visitor-2; Driver-1; Laboratory Assistant-1; Laboratory Attendant-1; Block Servant-2; Cook-2; Store keeper-cum-Clerk-1; Pump Operator-1; Compounder-1; Chowkidar-1 and Sweeper-1.

11. DEPARTMENT OF SURGERY

(i) General Surgery

1. The Department of Surgery was established in 1960. It offers courses leading to the award of the degrees of M.B.B.S., M.S., Ph.D. and M.Ch.

2. The student enrolled (including specialities) during the period 1971-76 in various courses are given below:

P.T.O.

Course	1971-72	1972-73	1973-74	1974-75	1975-76
M.B.B.S.	59	53	52	69	51 each class
M.S.	14	12	16	16	13
Ph.D.	1	-	1	1	2
<u>M.Ch.</u> (from July 1976)					
Plastic Surgery	2				
Neuro Surgery	1				
Paed. Surgery	1				
Urology	1				

3. The faculty of the department includes three Professors, eight Readers and 8 Lecturers. One Professor is on long leave.

4. The research work in the department is being done in the areas of:- (i) Filariasis lymphedema, (ii) cancer of mouth, breast and skin, (iii) gall stones, (iv) wound healing and fracture healing, (v) stress disorders, (vi) thyroid disorders, (vii) abdominal tuberculosis, (viii) fluid and electrolyte disorders, (ix) gastrointestinal disorders, (x) urinary tract infections, (xi) head injuries and hydrocephalus including traumatic brain and (xii) burns. 650 research papers were published by the faculty so far. This includes the research papers in specialities. 6 projects financed by I.C.M.R. and Drug agencies etc. are being pursued in the department.

5. The main objectives of the department during the 5th plan period are as under:

- (i) Development of the super-specialities so as to provide for the needs of M.Ch. course.
- (ii) Development of surgical oncology and surgical gastroenterology.
- (iii) Development of the rural mobile operation theatre for performing Family Planning operation and other minor operations in the rural areas.

P.T.O.

- (iv) To establish a Burns Unit.
- (v) To establish a modern Gastroenterology laboratory and
- (vi) To start a Transplantation Service in the Hospital.

6. The Committee makes the following observations:

(a) The department has been providing surgical care to the patients from the Eastern U.P., Western U.P., North Bihar including specialists services. Specialised care for cancer patients and thyroid disorders have also been provided.

(b) The department is carrying out good quality of clinical and teaching work in general surgery. The contributions of the department in the field of surgical research have been significant. The department seems to be specially interested in further advances in gastro-entecology surgery and oncology.

7. The Committee recommends additional faculty, other staff, provision for books, journals and equipment during the 5th plan period:

		<u>1st</u>	<u>2nd</u>
		<u>P r i o r i t y</u>	<u>P r i o r i t y</u>
		(Rs. in lakhs)	
(a) <u>Non-recurring:</u>			
Books	...	0.30	0.20
Equipment	...	1.00	0.50
		----	----
	Total:	1.30	0.70
		----	----

(b) Recurring:

Reader	...	1	-
Lecturer	...	1	-

(c) Specialisation of the faculty recommended:

Reader in General Surgery under 1st priority.

Lecturer in General Surgery under 1st priority.

(ii) SECTION OF PAEDIATRIC SURGERY

1. The Section of Paediatric Surgery was established in 1967. It offers courses leading to the award of the degrees of M.B.B.S., M.S. and M.Ch.
2. The faculty of the Section includes one Reader and one Lecturer. No post is lying vacant.
3. The research work in the Section is being done in the areas of Hydrocephalics, Imperforate anus, varicose caliculus, Post Urethral valves and Paediatric Surgery problems. 120 Research papers and 14 books were published by the faculty so far.
4. The main objectives of the Section during the Fifth Plan period are as under :
 - (i) Development of the Speciality for proper training facilities for M.Ch. & patients care.
 - (ii) Development of research facilities.
5. The Committee makes the following observations :
 - (a) Some of the deficiencies of the Section are :
 - (i) Teaching and other staff as per recommendations of the M.C.I. for conducting M.Ch. course.
 - (ii) Shortage of beds.
 - (iii) Shortage of space.
 - (iv) Lack of equipments for specialised services like, complete Urological and endoscopic instruments, Bronchoscopy and oesophagoscopy sets, Intensive Care Unit equipment, Premature Unit and Emergency Service requirements wards, Astrup machine.
 - (v) During the last inspection (1974) conducted to start the M.Ch. programme, the Inspector pointed out the following lacunae:- (i) Separate Intensive Care Unit for Neonatal Surgical work, (ii) Specially trained Paediatric Nurses, (iii) A separate Casualty & Emergency services, (iv) Necessary ward and equipments, (v) Air-conditioning of O.T. & at least one ward, (vi) Additional bed strength and (vii) one more floor to the existing building.

P.T.O.

(b) The Section of Paediatric Surgery is carrying out good quality clinic, medical relief, medical education and research. The Section of Paediatric Surgery is engaged in active teaching programme for undergraduate and postgraduates. There is a good cooperation between the department of Paediatric and Paediatric Surgery. At present, the Department is meeting attempt to improve the facilities for Neonatal Surgery. In the opinion of the Committee, The Department fulfils the requirements for establishing M.Ch. in Paediatric Surgery and should be supported for expansion of their plan to improve the facilities.

6. The Committee recommends additional faculty, other staff and provision for books and journals and equipment during the Fifth Plan period :

(a) Non-Recurring :

	<u>P R I O R I T Y</u>	
	1st	2nd
	(Rs. in lakhs)	
Books	Rs. 0.30	Rs. 0.20
Equipment	Rs. 1.00	Rs. 0.50
Total :	<u>Rs. 1.30</u>	<u>Rs. 0.70</u>

(b) Recurring :

Professor	1	--
Others	3*	--
Sr. Resident	1	--

(c) Specialisation of the faculty recommended :

Professor in Paediatric Surgery under 1st Priority.

* S.T.A. - 1; Clerk-Typist - 1 and Laboratory Attendent - 1.

(iii) SECTION OF UROLOGY

1. The Section of Urology was established in 1970. It offers courses leading to the award of the degrees of M.B.B.S. and M.Ch. The M.Ch. was introduced in July, 1976.
2. The faculty of the Section includes one Reader and one Lecturer. No post is lying vacant.
3. The research work in the Section is being done in the areas of : Filariasis Chyluria and Male Sterility. 50 Research papers were published by the faculty so far. Two projects financed by Drug Companies are being pursued in the Department.
4. The main objectives of the Section during the Fifth Plan period are as under :
 - (i) To provide specialised care to the needy patients.
 - (ii) To study Urological problems specially the national problem - Filariasis.
 - (iii) The advanced need include television and Audio tapes in the Department of Radiology and facilities for endoscopic photography.
5. The Committee makes the following observations :
 - (a) Some of the deficiencies of the section are :
 - (i) Necessary teaching and other staff as per recommendations of the M.C.I. for conducting M.Ch. course.
 - (ii) Shortage of beds.
 - (iii) Pressing need for staff trained in the field of Renal Transplantation.
 - (iv) Additional equipments like, Cystoscopy tables with built in X-ray machines, Roentgen facilities in the C.T., Basic Urologic Instruments, namely cystoscope, Urethroscop, resectoscope, Diathermy Machine and Cystometers etc.
 - (b) Section is well staffed and is carrying out good quality work and has large clinic workload. They are also performing specialised type of work including Transurethral work and special Urological Operations.

P.T.O.

The research contributions of the Department are average. The Department has provided requisite number of beds and it seems adequate to hold M.Ch. Urology course.

6. The Committee recommends additional faculty, other staff and provision for books, journals, and equipment during the Fifth Plan period :

(a) Non-Recurring :

	<u>P R I O R I T Y</u>	
	<u>1st</u>	<u>2nd</u>
	<u>(Rs. in lakhs)</u>	
Books	Rs. 0.30	Rs. 0.20
Equipment	Rs. 3.00	Rs. 1.00
Total :	<u>Rs. 3.30</u>	<u>Rs. 1.20</u>

(b) Recurring :

Professor	1	-
Others	3*	--
Sr. Resident	1	-

(c) Specialisation of the faculty recommended :

One Professor in Urology under 1st priority.

(iv) SECTION OF NEUROSURGERY

1. The Section of Neurosurgery was established in 1970. It offers courses leading to the award of the degrees of M.B.B.S., M.S., Ph.D and M.Ch. The M.Ch. was introduced from July, 1976.

2. The faculty of the Section includes one Reader and one Lecturer. No post is lying vacant.

3. The research work in the Section is being done in the areas of head injuries and hydrocephalus, Traumatic brain pathology - biochemistry, Neurosurgical infections and importance of CSF and arterial blood lactate and electrolytes etc etc. 30 research papers were published by the faculty so far. One project financed by I.C.M.R. is being pursued in the Section.

* S.T.A. - 1; Clerk-Typist - 1 and Laboratory Attendant - 1.

4. The main objectives of the Section during the Fifth Plan period are as under :

- (i) Establishment of a Modern Neuro-Surgical Clinic with the aim of giving best possible patients care for neurosurgical patients (emergency and elective cases), research in Applied Neuro sciences and Intensive Training Programme for residents leading to M.Ch. degree.
- (ii) To establish, after acquiring necessary facilities of staff and equipments etc., sub-specialities of neurosurgery such as Stereotactic Surgery, Surgery for pain, Surgery for epilepsy, Psycho Surgery and Neuro Surgical Research Laboratory.

5. The Committee makes the following observations :

(a) Some of the deficiencies of the Section are :

- (i) Inadequacy of staff, teaching, others and Nursing.
- (ii) Adequate grant for operative facilities and research activities.
- (iii) Secretarial assistance.
- (iv) Shortage of beds.
- (v) Essential equipments like - Binocular operating microscope, instrument for Microsurgery and Transphonicid, craniotomy sets.

(b) The work in the Section has greatly improved during the last 1-2 years. The members of the staff are well qualified and experienced to carry out the work. The M.Ch. course has been introduced from July 1976. The Committee, however, feels that it would be advisable to establish regular M.Ch. course in Neurosurgery after few more years. Since the patients' reference work is good, it will be advisable to establish a separate Department of Neurosurgery.

6. The Committee recommends additional faculty, other staff provision for books, journals and equipment during the Fifth Plan period :

P.T.O.

(a) Non-Recurring :

	<u>P R I O R I T Y</u>	
	1st	2nd
	(Rs. in lakhs)	
Books	Rs. 0.30	Rs. 0.20
Equipment	Rs. 2.00	Rs. 1.00
Total :	<u>Rs. 2.30</u>	<u>Rs. 1.20</u>

(b) Recurring :

Professor	1	-
Others*	3	-
Sr. Residents	1	-

(c) Specialisation of the faculty recommended :

Professor in Neuro-Surgery under 1st priority.

(v) SECTION OF PLASTIC SURGERY

1. The Section of Plastic Surgery was established in 1964. It offers courses leading to the award of the degrees of M.B.B.S., M.S. and M.Ch. The M.Ch. was introduced in July, 1976.

2. The faculty of the Section includes one Reader and one Lecturer. No post is lying vacant.

3. The research work in the Section is being done in the areas of (i) Different aspects of Burns, (ii) Brain Cancer, (iii) Skin cancer and (iv) Experimental Peratology. 60 Research papers were published by the faculty so far.

4. The main objectives of the Section during the Fifth Plan period are as under :

- (i) To strengthen the facilities for M.Ch. Training Program
- (ii) To establish a Modern Burn Centre.
- (iii) To start a separate Prosthetic Laboratory.
- (iv) To improve quality of Research and Relief facilities.

* Sr. Tech. Asstt. - 1; Clerk-cum-typist 1; Lab. Attendant - 1.

5. The M.Ch. course has been introduced from July, 1976. The Committee noted that there is a shortage of bed equipment and other facilities including a Burn Unit. The Section also lacks staff as per pattern laid down by Medical Council of India for M.Ch. course. It would be desirable to strengthen the Section further in this plan.

6. The Committee recommends additional faculty, other staff and provision for books, journals and equipment during the Fifth Plan period :

(a) Non-Recurring :

	<u>P R I O R I T Y</u>	
	1st	2nd
	(Rs. in lakhs)	
Books	Rs. 0.30	Rs. 0.20
Equipment	Rs. 1.00	Rs. 0.50
Total :	<u>Rs. 1.30</u>	<u>Rs. 0.70</u>

(b) Recurring :

Professor	1	-
Others	3*	-
Sr. Resident	1	-

(c) Specialisation of the faculty recommended :

Professor in Plastic Surgery under 1st priority.

(vi) SECTION OF CARDIO-VASCULAR AND THORACIC SURGERY

1. The Section of Cardiothoracic Surgery was established in 1964. It offers courses leading to the award of the degrees of M.B.B.S., M.S. and M.Ch. The M.Ch. programme was introduced in July, 1976.

2. The faculty of the Section includes one Reader and one Lecturer. No post is lying vacant.

* S.T.A. - 1; Clerk-Typist - 1 and Laboratory Attendant - 1.

3. The research work in the Section is being done in the areas of : (i) Portal hypertension, (ii) Pulmonary hypertension in Mitral valve disease, (iii) Cancer Oesophagus, (iv) Thoracic Tumours, (v) Chest Injuries, (vi) Occlusion aortoarteritis and (vii) Mediastinal masses. 42 research papers were published by the faculty so far.

4. The main objectives of the Section during the Fifth Plan period are as under :

- (i) To impart organised training in C.V. and Thoracic Surgery and prepare for M.Ch. in Thoracic Surgery.
- (ii) To provide open heart surgery facilities to the patients of U.P., Bihar and Orissa, where it is not done.

5. The Committee makes the following observations :

- (a) At present Cardio Thoracic Surgery Section has only 10 sanctioned beds but in the new hospital it is proposed to sanction 25 beds. The facilities for C.T. out-patient clinic are satisfactory. Nearly 3,000 cases are examined every year and approximately 250 major operations are carried out every year.

The Section is carrying out advanced Esophageal and Pulmonary Surgery and some Vascular Surgery. Closed heart surgery for Rheumatic heart disease and simple congenital heart disease is being performed. So far only one open heart operation has been carried out. Although the members of the staff are M.Ch. qualified and well experienced Surgeons but have not been able to carry out any advanced surgery because of the lack of facilities mainly for the open heart surgery. The Department has carried out some clinic research work and has published and presented papers at National and International Conferences.

At present, the quality of work and the equipment supplied to the Department does not qualify the requirements of the Indian Medical Council, to hold the M.Ch. course in Thoracic Surgery. However, since the reference work is considerable and members of the staff well qualified and experienced, in the interest of medical relief and higher medical training, it will be worthwhile starting the establishment of this super-speciality at the Institute as soon as possible.

(b) Some of the deficiencies of the Section are :

- (i) Necessary staff - teaching & others as per recommendations of Medical Council of India for conducting M.Ch.
- (ii) Lack of secretarial assistance.
- (iii) Minimum equipment, recurring grant and personnel for Open Heart Surgery.

6. The Committee recommends additional faculty, other staff and provision for books, journals and equipment during the Fifth Plan period :

(a) Non-Recurring :

	<u>P R I O R I T Y</u>	
	1st	2nd
	(Rs. in lakhs)	
Books	Rs. 0.30	Rs. 0.20
Equipment	Rs. 5.00	Rs. 2.50
Total :	<u>Rs. 5.30</u>	<u>Rs. 2.70</u>

(b) Recurring :

Professor	1	-
Others*	4	-
Sr. Resident	1	-

(c) Specialisation of the faculty recommended :

Professor in Cardio-Thoracic Surgery under 1st priority.

12. DEPARTMENT OF MEDICINE

(1) SECTION OF CARDIOLOGY

1. The Section of Cardiology was established in 1970. It offers courses leading to the award of the degrees of M.B.B.S., M.D. and D.M. The D.M. was introduced in July, 1972.

* Senior Technical Assistant - 2

(1 - Heart-Lung

1 - Pathology work)

Clerk-Typist - 1

Laboratory Attendant - 1.

P.T.C.

2. The faculty of the Section includes one Reader and one Lecturer. No post is lying vacant.

3. The research work in the Section is being done in the areas of : (i) Rheumatic fever and breast disease, (ii) Ischaemic heart disease and (iii) Cardiomyopathy. 75 research papers were published by the faculty so far.

4. The main objectives of the Section during the Fifth Plan period are as under :

- (i) To establish and develop a fully equipped diagnostic Cardio-Vascular Laboratory and a Cardiac Treatment Centre.
- (ii) To acquire necessary facilities for imparting D.M. in Cardiology.
- (iii) To develop the research and also expand to Coronary Care Unit.

5. The Committee makes the following observations :

(a) The reference work of this Section is quite satisfactory. At present, it has only 10 beds and proposed to have 25 beds in the new hospital. The Section is poorly equipped. It has got only few E.C.G. machines, one Cardiac Monitor, one Defibrillator with Pace Maker, 2 Coronary Care Units. Because of lack of facilities, the Section has not carried out even single Cardiac Catheterisation. Research contributions from the Section are average. The D.M. Course has been introduced with effect from July 1976. In view of the position stated above, the Committee feels that it would not be appropriate to start course in D.M. in Cardiology unless and until the necessary equipments sanctioned for the Department and the quality of the specialised work is improved. The staff of the Department, is, however, enthusiastic. The Committee feels that it would be advisable to establish a separate Department of Cardiology at this stage.

(b) Some of the deficiencies of the Section are :

- (i) Necessary staff as per staffing pattern recommended by Medical Council of India for the speciality;
- (ii) Additional beds;

- (iii) Shortage of laboratory and office staff;
- (iv) Problem of maintenance of equipment;
- (v) Adequate facilities for Cardiac cases;
- (vi) Shortage of space for academic and research activities;
- (vii) Lack of adequate equipments.

6. The Committee recommends additional faculty, other staff, provision for books, journals and equipment during the Fifth Plan period :

	<u>P R I O R I T Y</u>	
	1st	2nd
	(Rs. in lakhs)	
(a) <u>Non-Recurring :</u>		
Books	Rs. 0.30	Rs. 0.20
Equipment	Rs. 5.00	Rs. 2.50
Total :	<u>Rs. 5.30</u>	<u>Rs. 2.70</u>
(b) <u>Recurring :</u>		
Professor	1	--
Reader	1	--
Lecturer	1	--
Others*	3	--
Senior Resident	1	--
(c) <u>Specialisation of the faculty recommended :</u>		
Professor in Cardiology under 1st priority.		
Reader in Cardiology under 1st priority.		
Lecturer in Cardiology under 1st priority.		

(ii) SECTION OF NEUROLOGY

1. The Section of Neurology was established in 1970. It offers courses leading to the award of the degrees of M.B.B.S./M.D. and D.M. July, 1976.

* Sr. Technical Assistant - 1; Clerk-typist - 1;
Laboratory Attendant - 1.

2. The faculty of the Section includes one Professor, and one Lecturer. No post is lying vacant.
3. The research work in the Section is being done in the areas of Epitapsy and Muscle disorders. 45 research papers were published by the faculty so far.
4. The main objectives of the Section during the Fifth Plan period are as under :

- (i) To develop the speciality so as to organise D.M. Course on strong footing.
- (ii) Achieving the highest standard in patient care, clinical training and research.

5. The Committee makes the following observations :

- (a) The Committee noted the following achievements of the Section during the Fourth Plan :

- (i) Following machines were installed - E.E.G. 1970, E.M.G. 1971, and Echo-encephalograph in 1973.
- (ii) Establishment of Neurological setup.
- (iii) Specialised neuro-radiological techniques viz., angiography, myelography and air-studies are being conducted in collaboration with department of Radiology and Section of Neuro-Surgery.
- (iv) The electro-diagnosis procedure have been standardised.

- (b) Some of the deficiencies of the Section are :

- (i) Necessary staff as per staffing pattern recommended by the Medical Council of India for speciality.
- (ii) Shortage of laboratory staff viz., S.T.A. for E.M.G. and Echo-E.E.G. laboratory.
- (iii) Lack of Clerical staff.
- (iv) Facilities of staff for Neuro-Radiology, Neuro-Pathology and Neuro-Biochemistry.
- (v) Additional Equipment like 16-channel E.E.G. and 4-channel E.M.G. machines.

P.T.O.

6. The Committee was impressed by the quality of work in the Section and supports the introduction of the D.M. Course. The Section has an excellent service programme.

7. The Committee recommends additional faculty, other staff and provision for books, journals & equipment during the Fifth Plan period :

(a) Non-Recurring :

	P R I O R I T Y	
	1st	2nd
	(Rs. in lakhs)	
Books	Rs. 0.30	Rs. 0.20
Equipment	Rs. 2.00	Rs. 1.00
Total :	<u>Rs. 2.30</u>	<u>Rs. 1.20</u>

(b) Recurring :

Reader	1	-
Others	2*	-
Sr. Resident	1	-

(c) Specialisation of the faculty recommended :

Reader in Neurology under 1st priority.

(iii) SECTION OF SKIN & V.D.

1. The Section of Skin & V.D. was established in 1964. It offers courses leading to the award of the degrees of M.B.B.S., M.D. and Ph.D.

2. The faculty of the Section includes one Professor and one Lecturer. One post of Reader is lying vacant. This may be filled early.

3. The research work in the Section is being done in the areas of (i) Studies on Prevalence of S.T.D., (ii) Skin infection and (iii) Medico social studies in different Dermatological conditions and Leprosy. 95 research papers were published by the faculty so far.

* Clerk-Typist - 1 and Laboratory Attendant -1.

4. The main objectives of the Section during the Fifth Plan period are as under :

- (i) To consolidate the existing facilities and improve postgraduate training programme.
- (ii) To strengthen Venerology Unit.
- (iii) To provide training (including rehabilitation) to postgraduate in the rural set up with the taking over of Kustha Sevasram (Sarnath) by the Institute.

5. The Committee makes the following observations :

(a) This Section has developed many new techniques and developed instruments for treatment of certain diseases.

(b) Some of the deficiencies of the Section are :

- (i) Well developed laboratory particularly for V.D. work wherein V.D.R.L. Culture for Gonococci and F.T.A., Abs. should be done.
- (ii) Office and other para-medical staff. During the last inspection by the Medical Council of India, following deficiencies were pointed out by the Inspector :
 - (1) More space.
 - (2) More auxiliary staff like Public Health Nurse, Technician.
 - (3) Strengthening of Venerology.
- (iii) The proposal made are essential to meet the requirement of Medical Council of India to get M.D. recognized.

6. The Committee recommends additional staff and provision for books, journals and equipment during the Fifth Plan period :

(a) Non-Recurring :

	<u>P R I O R I T Y</u>	
	<u>1st</u>	<u>2nd</u>
	<u>(Rs. in lakhs)</u>	
Books	Rs. 0.30	Rs. 0.20
Equipment	Rs. 1.00	Rs. 0.75
Total :	<u>Rs. 1.30</u>	<u>Rs. 0.95</u>

P.T.O.

(b) Recurring :

Others*	6	-
Senior Resident	1	-

(iv) SECTION OF ENDOCRINOLOGY AND METABOLISM

1. The Section of Endocrinology was established in 1970. It offers courses leading to the award of the degrees of M.B.B.S., M.D. and D.M. The D.M. was introduced in July, 1976.

2. The faculty of the Section includes one Reader. No post is lying vacant.

3. The research work in the Section is being done in the areas of Growth hormone, Goitre, Diabetes mellitus, Thyroid disorders and Hypogonadism. 20 research papers were published by the faculty so far. Two projects financed by I.C.M.R. and U.G.C. are being pursued in the Section.

4. The main objectives of the Section during the Fifth Plan period are as under :

(i) Consolidation of facilities - staff and equipments for training to D.M. candidates.

(ii) To develop laboratory facilities with addition of Biochemistry.

(iii) To develop patients & Care.

5. The Committee makes the following observations :

(a) The Committee took note of setting up of an Endocrine Laboratory and patients care improvement in the hospital services.

(b) Some of the deficiencies of the Section are :

(i) Necessary staff as per staffing pattern recommended by Medical Council of India for the speciality.

(ii) Need of a Biochemist in the Laboratory.

* Senior Technical Asstt. - 1; Clerk-typist - 1;
Lab. Asstt. - 1; Health Visitor - 1; Lab. Attendant - 1.
Social Worker-1.

- (iii) Shortage of laboratory and office staff.
- (iv) Faucity of space for development of laboratory and other facilities.
- (v) Additional equipment like Florimeter, Chromatograph (G.L.) and Flame photometer, etc. and
- (vi) Shortage of Beds.

6. The Committee recommends additional faculty, other staff, provision for books, journals and equipment during the Fifth Plan period.

		<u>P R I O R I T Y</u>	
		1st	2nd
		(Rs. in lakhs)	
(a)	<u>Non-Recurring</u>		
	Books	Rs. 0.30	Rs. 0.20
	Equipment	Rs. 2.00	Rs. 1.00
	Total :	<u>Rs. 2.30</u>	<u>Rs. 1.20</u>
(b)	<u>Recurring</u>		
	Professor	1	-
	Lecturer	1	-
	Others*	3	-
	Sr. Resident	1	-
(c)	Specialisation of the faculty recommended :		
	Professor in Endocrinology under 1st priority		

* Senior Technical Assistant - 1;
Clerk-typist - 1; Laboratory Attendant - 1.

(v) SECTION OF GASTROENTEROLOGY

1. The Section of Gastroenterology was established in 1970. It offers courses leading to the award of the degrees of M.B.B.S., M.D., Ph.D., D.M. and the Dy.A.M. The course leading to the D.M. was introduced in July, 1976.

2. The faculty of the Section includes one Reader (from General Medicine).

3. The research work in the Section is being done in the areas of : (i) Gastro Intestinal studies in Parasitic infestation of gut., (ii) Ulcerogenetic and various difference factors in Peptic Ulcer, (iii) Profile of Colitic with special reference to Neuro-Tumours. 27 research papers were published by the faculty so far. Five projects financed by I.C.M.R., C.S.I.R. and Drug Companies etc. are being pursued in the Section.

4. The main objectives of the Section during the Fifth Plan period are as under :

- (i) Consolidation of existing facilities for D.M. course.
- (ii) To improve the facilities for patients care and investigation,

5. The Committee noted the following deficiencies of the Section:

- (i) Staff - as per staffing pattern of Medical Council of India and other facilities for conducting D.M. course.
- (ii) Space for laboratory and other training programme.
- (iii) Library & journals facilities.

6. The Committee recommends additional faculty, other staff, provision for books, journals and equipment during the Fifth Plan period :

	<u>P R I O R I T Y</u>	
	1st	2nd
	(Rs. in lakhs)	
(a) <u>Non-Recurring</u>		
Books	Rs. 0.30	Rs. 0.20
Equipment	Rs. 1.00	Rs. 0.50
Total :	<u>Rs. 1.30</u>	<u>Rs. 0.70</u>

P.T.O.

(b) Recurring

Professor	1	-
Lecturer	1	-
Others*	3	-
Sr. Resident	1	-

(c) Specialisation of the faculty recommended :

Professor in Gastroenterology under 1st priority

Lecturer in Gastroenterology under 1st priority.

(vi) SECTION OF NEPHROLOGY

1. The Section of Nephrology was established in 1974-75. It offers courses leading to the award of the degrees of M.B.B.S. and M.D.

2. The faculty of the Section includes one Reader from the General Medicine.

3. The research work in the Section is being done in the areas of Diabetic Renal disorder, Urinary Tract infection, Nephrotic Syndrome, Dialysis Renal failure and Immunological studies in Nephrotic Syndrome. 25 research papers were published by the faculty so far.

4. The main objectives of the Section during the Fifth Plan period are as under :

- (i) To start the D.M. course in Nephrology (from 1977).
- (ii) To establish a well equipped Renal Physiological and Biochemical Laboratory (investigative Nephrology).
- (iii) To improve the present set-up of Dialysis cell.
- (iv) To extend Refresher Courses to General Practitioners and Doctors in peripheral hospitals to improve the standards of Nephrology in general practice in the community.

* Senior Technical Assistant - 1;
Clerk-typist - 1;
Laboratory Attendant - 1.

5. The Committee was impressed by the work of the Section. The Committee also noted the following deficiencies of the Section:

- (i) Necessary staff and equipments for developing section so as to start D.M. course in Nephrology from 1977.
- (ii) Shortage of beds.
- (iii) Facilities for pharmacy support like provision of Peritoneal Dialysis Fluid and various Electrolytes Fluids and infusions, Extracorporeal Accessories for Haemodialysis.
- (iv) Air-conditioning of Dialysis Room.

6. The Committee recommends additional faculty, other staff, provision for books, journals and equipment during the Fifth Plan period :

		<u>P R I O R I T Y</u>	
		1st	2nd
		(Rs. in lakhs)	
 (a) <u>Non-Recurring</u>			
Books		Rs. 0.30	Rs. 0.20
Equipment		Rs. 1.00	Rs. 0.50
	Total :	Rs. 1.30	Rs. 0.70
 (b) <u>Recurring</u>			
Professor	1		--
Lecturer	1		--
Others*	3		--
Sr. Resident	1		--
 (c) Specialisation of the faculty recommended :			
Professor in Nephrology under 1st priority			
Lecturer in Nephrology under 1st priority			

* Sr. Technical Assistant - 1;
Clerk-Typist - 1;
Laboratory Attendant - 1.

(vii) SECTION OF TUBERCULOSIS & CHEST DISEASES

1. The Section of Tuberculosis & Chest Diseases was established in 1964. It offers courses leading to the award of the degrees of M.B.B.S. and M.D.

2. The student enrolled during the period 1971-76 in various courses are given below :

Course	1971-72	1972-73	1973-74	1974-75	1975-76
M.B.B.S. From Medicine Department					
M.D.	2	4	1	2	2
D.T.C.D.	3	1	1	4	-

3. The faculty of the Section includes one Professor, and one Lecturer. Post of one Reader is lying vacant. The vacant post may be filled up early.

4. The research work in the Section is being done in the areas of : (i) Respiratory allergy and applied Immunology; (ii) Effect of Yoga in Obstructing Lung diseases; (iii) Pulmonary functions in chronic obstructive Lung diseases; (iv) Pulmonary mycotic infection and their studies. 45 Research papers were published by the faculty so far.

5. The main objectives of the Section during the Fifth Plan period are as under :

- (i) To consolidate and further improve postgraduate training programme.
- (ii) To improve upon the existing Respiratory Allergy, Mycology & Pulmonary Physiology Laboratory.
- (iii) To establish a sputum and general laboratory with facilities for culture and sensitivity tests regarding tuberculosis and other respiratory diseases.
- (iv) To take care of fast emerging resistant tuberculosis and other chronic lung diseases.
- (v) Training and participation of the students for the National Programmes for control of tuberculosis.

- (vi) Training of students in the rural community health programme with the taking over of Kashi Kishtha Sevashram & Sanitari (Garnath) by the Institute.
- (vii) Training of students in methodology regarding Pulmonary Tuberculosis and Chest Diseases.
- (viii) Additional beds as per requirements of the Medical Council of India.

6. The Committee noted the following achievements of the Section during the last five years :

- (a) Consolidation of undergraduate & postgraduate studies.
- (b) A-fulledged "Pulm Physiology Laboratory" has come up in the section. In the laboratory besides ventilatory functions, blood gas and air gas analysis is done with the help of modern equipments.
- (c) Training of students regarding Pulmonary Tuberculosis and Chest Diseases in Rural areas.

7. The Committee also took note of the following deficiencies of the Department :

- (a) During the last inspection by the Medical Council of India, the Inspector pointed out deficiencies regarding the space specially out patients, adequate number of Auxillary staff, like Public Health Visitor, Technicians etc. for Preventive & Social Work in the field of Tuberculosis. Out patients space has been provided, but adequate staff to consolidate the postgraduate training programme is necessary. Maintenance grant to meet the cost of P.O.L. & drugs for extension programme of the Department. Inadequate number of hospital beds.

8. The Committee recommends additional staff and provision for books, journals and equipment during the Fifth Plan period :

(a) Non-Recurring

	P R I O R I T Y	
	1st	2nd
	(Rs. in lakhs)	
Books	Rs. 0.30	Rs. 0.20
Equipment	Rs. 1.00	Rs. 0.50
Total :	<u>Rs. 1.30</u>	<u>Rs. 0.70</u>

P.T.O.

(b) Recurring

Others	6*	-
Sr. Resident	1	-

(viii) MEDICINE

1. The Department of Medicine (General Medicine) was established in 1960. It offers courses leading to the award of the degrees of M.B.B.S., M.D. and Ph.D.

2. The student enrolled (including super specialities) during the period 1971-76 in various courses are given below :

Course	1971-72	1972-73	1973-74	1974-75	1975-76
M.B.B.S.	59	53	52	69	51 each class
M.D.	12	13	12	12	12

3. The faculty of the Department (including super specialities) consists of 6 Professors, 3 Readers and 7 Lecturers. Posts of two Readers are lying vacant. The vacant posts may be filled up early.

4. The research work in the Department is being done in the areas of : (a) Epidemiology, (b) Rheumatic & Ischaemic Heart Disease, (c) Epilepsy, (d) Muscular dystrophies, (e) Paraplegia, (f) Diabetes, (g) Gout, (h) Gonads, (i) Allergy, (j) Bacteriology of skin, (k) Photo Chemotherapy, (l) Leukaemia, (m) Helminthiasis. 300 research papers were published by the faculty so far. 10 projects financed by I.C.M.R./C.C.R.I.M.H./C.S.I.R./C.O.F.I./U.G.C. and Drug Companies etc. are being pursued in the Department. Some projects have been completed.

5. The main objectives of the Department during the Fifth Plan period are as under :

- (i) Development of super-specialities to facilitate teaching of D.M. courses (Neurology, Cardiology, Gastroenterology, Endocrinology).

* Senior Technical Assistant - 1; Clerk-cum-typist - 1; Laboratory Assistant - 1; Health Visitor - 1; Social Worker - 1; Laboratory Attendant - 1

- (ii) Expansion of newer fields viz. Geriatrics, clinical haematology and Rheumatology, Renal Dialysis.
 - (iii) As the future plan, the Department proposes to extend the activities in the field of Diabetes, Epilepsy, Rheumatic Heart Diseases, Leukaemia, Thyroid disorders.
 - (iv) Interdisciplinary Programme is planned in the field of Experimental Medicine, Electron Microscopy, Virology and Endocrinology.
 - (v) To improve research potentialities.
6. The Committee makes the following observations :
- (a) Tutorial teaching by Postgraduates was incorporated at undergraduate level. Postgraduate courses were introduced in all the broad specialities and D.M. courses have been started from July, 1976 in super specialities.
 - (b) Following new specialities and clinics/units were established : (i) Endocrinology, (ii) Dermatology, (iii) Haematology, (iv) Gastroenterology, (v) Nephrology, (vi) Coronary Care Unit.
 - (c) Following new equipments were procured and used :
(i) ECG, (ii) Electromyograph, (iii) Cama spectrophotometer.
 - (d) Some of the deficiencies of the Department are :
(i) Shortage of staff, space and laboratory facilities.
(ii) The Department should expand to explore new fields like experimental medicine, clinical haematology, rheumatology, medical genetics etc. The existing resources does not permit these.
(iii) Shortage of hospital beds for the specialities.
7. The Committee recommends additional faculty, other staff, provision for books, journals and equipment during the Fifth Plan period :

		<u>P R I O R I T Y</u>	
		1st	2nd
		(Rs. in lakhs)	
(a)	<u>Non-Recurring</u>		
	Books	Rs. 0.30	Rs. 0.20
	Equipment	<u>Rs. 1.00</u>	<u>Rs. 0.50</u>
	Total :	<u>Rs. 1.30</u>	<u>Rs. 0.70</u>

(b) Recurring

Reader

1

(c) Specialisation of the faculty recommended :

Reader in General Medicine under 1st priority.

(13) DEPARTMENT OF ORTHOPEDICS

1. The department of Orthopedics was established in 1971. It offers courses leading to the award of the degrees of M.B.B.S., M.S., Ph.D. and diploma D. Ortho.

2. The student enrolled during the period 1971-76 in various courses are given below :

Course	1971-72	1972-73	1973-74	1974-75	1975-76
M.B.B.S.	59	53	52	69	51
M.S.	2	5	4	3	3

each class from Surgery

3. The faculty of the Department includes two Professors and one Reader. No post is lying vacant.

4. The research work in the Department is being done in the areas of : (i) Bone Joint Tuberculosis, (ii) Osteomalaria and rickets, (iii) Bone healing. 125 Research papers were published by the faculty so far. One project financed by C.S.I.R. is being pursued in the Department.

5. The main objectives of the Department during the Fifth Plan period are as under :

- (i) To consolidate and expand the teaching, research and relief facilities.
- (ii) Development of specialised Surgery.
- (iii) As a future plan, the Department proposes to take up rehabilitation in Leprosy Hospital.
- (iv) Development of Histology.

6. The Department has been doing excellent work in Orthopedics. Special studies are being conducted in the Department on (i) Osteo-articular tuberculosis; (ii) Osteomalacia and Osteoporosis; (iii) Healing of Fractures and Bone - grafts. The Indian Journal of Orthopedics is published from the Department. The Journal is the official organ of the Indian Orthopaedic Association and has National and International circulation.

7. The department needs additional teaching post and equipment grant to improve the Postgraduate teaching and research. This is an outstanding Department where dedicated workers have entrusted themselves in many aspects of Orthopaedics and Rehabilitation and produced excellent work. The record keeping and follow up are excellent. The Out patient Department of Orthopedics is extremely well-organised.

8. The Committee recommends additional faculty, other staff, provision for books, journals and equipment during the Fifth Plan period :

		<u>P R I O R I T Y</u>	
		1st	2nd
		(Rs. in lakhs)	
(a)	<u>Non-Recurring</u>		
	Books	Rs. 0.30	Rs. 0.20
	Equipment	Rs. 1.00	Rs. 0.50
	Total :	<u>Rs. 1.30</u>	<u>Rs. 0.70</u>
(b)	<u>Recurring</u>		
	Lecturer	1	-
	Others*	5	-
(c)	Specialisation of the faculty recommended :		
	Lecturer in Orthopedics under 1st priority.		

The Physio-therapy Unit should function as a Central Service Unit.

* Steno-typist- 1; Store-keeper - 1; Lab. Asstt. - 1; Physio-therapist - 1; Orthopedic Therapist - 1.

(14) DEPARTMENT OF ANAESTHESIOLOGY

1. The Department of Anaesthesiology was established in 1971. It offers courses leading to the award of the degrees of M.B.B.S., M.D., Ph.D. and diploma (D.A.).

2. The student enrolled during the period 1971-'76 in various courses are given below :

Course	1971-72	1972-73	1973-74	1974-75	1975-76
M.B.B.S.	68	69	59	59	57 each class
M.D.	4	6	6	4	9
D.A.	2	1	-	-	-
Ph.D.	1	-	2	-	-

3. The faculty of the Department includes one Professor, two Readers and four Lecturers. Posts of two Lecturers are lying vacant. The vacant posts may be filled up early. It was noted that one temporary Lecturer was working against the vacant posts.

4. The research work in the Department is being done in the areas of : (i) Neuromuscular Physiology; (ii) Pulmonary functions, (iii) Biochemical changes related to Anaesthesia and Surgery, (iv) Clinical Drug Trials. 35 research papers were published by the faculty so far.

5. The main objectives of the Department during the Fifth Plan period are as under :

- (i) To improve Postgraduate teaching.
- (ii) Establishment of a well equipped intensive care unit.
- (iii) To organise research activity on special topics like assay of hormone levels, Pn and blood gas measurements, recording services for neuromuscular physiology.
- (iv) To organise anaesthesia services for the super speciality courses in surgery.

(v) As a future plan, the department can take the following activities :

(a) Training of Postgraduates of other medical specialities in Cardio-pulmonary resuscitation.

(b) Studies in the pharmacology of analgesic, muscle relaxants, anaesthetic and many other types of drugs can be undertaken in collaboration with Pharmacology Department. Physiologists may collaborate in the study of respiratory physiology under anaesthesia. Biochemical and hormonal changes under anaesthesia and surgery may be undertaken in collaboration with Biochemistry department.

6. The Committee makes the following observations :

(a) The department has established a good laboratory where work on pulmonary functions, neuromuscular physiology, biochemical estimations and isolated organ baths is carried out.

(b) Some of the deficiencies of the Department are :
 (i) Office accommodation for staff namely Steno-typist, Store-keeper; (ii) teachers of the department with necessary furniture; (iii) some important additional journals; (iv) To equip intensive care unit; (v) Additional Laboratory Maintenance Grant; (vi) More equipments and facilities for Gas Chromatography, Fluorophotometry and Spectrophotometry for Biochemical analytical work.

7. The Committee recommends additional faculty, other staff and provision for books, journals and equipment during the Fifth Plan period :

(a) Non-Recurring

	<u>P R I O R I T Y</u>	
	1st	2nd
	(Rs. in lakhs)	
Books	Rs. 0.30	Rs. 0.20
Equipment	Rs. 1.00	Rs. 0.50
Total :	Rs. 1.30	Rs. 0.70

(b) Recurring

Reader	1	1
Others	3*	-

(c) Specialisation of the faculty recommended :
 Reader in Anaesthesiology under 1st priority.

* Store-keeper - 1; Lab. Asstt. - 1 and Steno-typist - 1.

(15) DEPARTMENT OF RADIOLOGY

1. The Department of Radiology was established in 1964. It offers courses leading to the award of the degrees of M.B.B.S., M.D., Ph.D. and diploma (D.M.R.D.).

2. The student enrolled during the period 1971-73 in various courses are given below :

Course	1971-72	1972-73	1973-74	1974-75	1975-76
M.B.B.S.	68	69	59	59	57
M.D.	5	-	5	2	2
D.M.R.D.	2	1	-	1	-
Ph.D.	-	-	-	2	-

3. The faculty of the Department includes one Professor, one Reader and two Lecturers. No post is lying vacant.

4. The research work in the Department is being done in the areas of : (i) Gastrocentrology, (ii) Neuro-radiology; (iii) Angiographic studies, (iv) Collaborative Studies on various aspects of Amebiasis; and (v) Otortunolorynology. 100 Research papers were published by the faculty so far.

5. The main objectives of the Department during the Fifth Plan period are as under :

- (i) To improve the X-ray services to 'In' as well as 'Out' patient.
- (ii) Teaching of Radiology in super specialities courses and to develop neuro-radiology.
- (iii) Emphasis on quality of research.
- (iv) Interdisciplinary collaboration towards study of cases of Flurosis which is established in this part of State.

6. The Committee feels that with the starting of D.M. & M.Ch. courses in various super specialities the teaching load in Radiology will increase correspondingly. Adequate Radiologic Teaching is, therefore, essential for imparting training which forms almost in one-fourth of the syllabus in the new courses.

P.T.C.

7. The Committee recommends additional faculty, other staff, provision for books, journals and equipment during the Fifth Plan period :

		<u>P R I O R I T Y</u>	
		1st	2nd
		(Rs. in lakhs)	
(a) <u>Non-Recurring</u>			
Books		Rs. 0.30	Rs. 0.20
Equipment		Rs. 1.00	Rs. 0.50
		Rs. 1.30	Rs. 0.70
(b) <u>Recurring</u>			
Reader		1	-
Lecturer		1	-
Others*		2	-

(c) Specialisation of the faculty recommended :

Reader in Radiology under 1st priority.
Lecturer in Radiology under 1st priority.

(16) DEPARTMENT OF OPHTHALMOLOGY

1. The Department of Ophthalmology was established in 1964. It offers courses leading to the award of the degrees of M.B.B.S., M.S., Ph.D. and diploma (D.O.M.S.).

2. The student enrolled during the period 1971-76 in various courses are given below :

Course	1971-72	1972-73	1973-74	1974-75	1975-76
M.B.B.S.	59	53	52	69	51 per year
M.S.	6	6	4	6	4
Ph.D.	-	-	-	-	-
D.O.M.S.	1	-	1	2	-

* Record-keeper - 1;
Store-keeper - 1.

F.T.O.

3. The faculty of the Department includes one Professor, three Readers and two Lecturers. No post is lying vacant.

4. The research work in the Department is being done in the areas of : (i) Glaucoma; (ii) Corneal Ulcer; (iii) Strabismus; (iv) Malnutrition; (v) Ocular Metastoma-Honss, (vi) Mycosis; (vii) Uveitis; (viii) Lacrimal Papilla; (ix) Diabetes; (x) Allergies; (xi) Trachoma. 250 Research papers and two books were published by the faculty so far. 2 projects financed by I.C.M.R. and C.S.I.R. are being pursued in the Department.

5. The main objectives of the Department during the Fifth Plan period are as under :

- (i) To provide better ocular care and therapy to the urban and rural population of Eastern U.P.
- (ii) To improve the standard of teaching and research in Ophthalmology;
- (iii) To participate in organised manner in the National Programme to combat blindness by organising school programmes, Mobile Eye Clinics, Eye Camps and rural clinics.
- (iv) To improve certain special clinics such as glaucoma and Orthoptic for providing intensive training to postgraduate students;
- (v) To conduct applied researches in certain specified areas of Ophthalmology; and
- (vi) Special/Advanced study could be taken up in future in the following special areas : (a) Glaucoma; (b) Strabismus; (c) Ocular Genetics, (iv) Eye effects due to Malnutrition.

6. The committee makes the following observations :

- (i) The Eye Department caters to the demands of whole of Eastern U.P., Western Bihar and also from other States. All types of operations are done here and quite a good number of special clinics are being run specially Glaucoma Clinic and Orthoptic Clinic.
- (ii) Out of the total seven centres allotted in whole of India by I.C.M.R. for the study of "Coordinated study in the prevalence and incidence of blindness in the country" the department was one of them.

- (iii) The research facilities and equipments are being utilised by other Departments, namely, Pharmacology, Pathology, Microbiology, Medicine, Surgical Research Laboratory and Department of Botany, B.H.U. etc.
- (iv) The Department lacks in : (a) Beds, presently the Department has only 48 general beds and 2 special beds (Wards) for catering the needs of relatively less attended and economically backward population in Eastern U.P. Every year specially during winter a large number of patients are refused admission for Cataract Operation owing to shortage of Hospital Beds; (b) There is an urgent need of a separate operation theatre exclusively for Eye Department where only aseptic operations are to be performed. (c) Some important appliances are needed for proper research as well as relief work e.g. Latest Model Synoptophore, Tonography Set, Electro Ratinography Machine, Operating Microscope, Visual Field Analysor etc. (d) Shortage of space.

7. The Department is doing very good work in Clinical Medical Relief, Medical Education and Clinical Research. The Committee recommends that the Institute may provide a separate operation theatre to the Department in the new building.

8. The Committee recommends additional staff and provision for books, journals and equipment during the Fifth Plan period :

(a) Non-Recurring

	<u>P R I O R I T Y</u>	
	1st	2nd
	(Rs. in lakhs)	
Books	Rs. 0.30	Rs. 0.20
Equipment	Rs. 1.00	Rs. 0.50
Total :	<u>Rs. 1.30</u>	<u>Rs. 0.70</u>

(b) Recurring

Others	5*	1**
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* Sr. Refractionists - 2; Store-keeper - 1; Laboratory Asstt. -1; Animal Attendant - 1.

** Senior Refractionists - 1.

P.T.O.

17

DEPARTMENT OF PAEDIATRICS

1 The Department of Paediatrics was established in 1964. It offers courses leading to the award of the degrees of M.B.B.S., M.D., Ph.D. and other degree/diploma such as D. Ay. M. and D.C.N.

2 The student enrolled during the period 1971-76 in various courses are given below:-

Course	1971-72	1972-73	1973-74	1974-75	1975-76
M.B.B.S.	59	53	52	69	51 each class
M.D.	6	6	4	4	5
D.C.H.	3	2	4	6	-
Ph.D.	1	1	1	1	1

3 The faculty of the Department includes one Professor, two Readers and one Lecturer. Posts of two Lecturers are lying vacant. The vacant posts may be filled up early. One temporary Lecturer is working in the Department.

4 The research work in the Department is being done in the areas of: (i) Social Paediatrics; (ii) Nutrition; (iii) Haematology and (iv) Human Reproduction. 200 Research papers were published by the Faculty so far. 11 projects financed by I.C.M.R./U.G.C./C.S.I.R./I.C.A.R. and Drug Companies were completed.

5 The main objectives of the Department during the Fifth Plan period are as under:-

- (a) To develop Social Paediatrics
- (b) To consolidate Neonatology and Haematology and Child Guidance.
- (c) To improve Postgraduate teaching.

6 The Department has established the following Sections:-

- (a) Social Paediatrics;
- (b) Neonatology; and
- (c) Haematology.

7 The Committee recommends additional faculty, other staff, provision for books, journals, equipment during the 5th plan period:

	<u>Ist</u>	<u>2nd</u>
	<u>P r i o r i t y</u>	
	<u>(Rs. in lakhs)</u>	
(a) <u>Non-recurring</u>		
Books	0.30	0.20
Equipment	1.00	0.50
Total:	<u>1.30</u>	<u>0.70</u>

(b) Recurring

Reader	1	-
Lecturer	1	-
Others *	4	-

(c) Specialisation of the faculty recommended:

Reader in Social Paediatrics under 1st priority

Lecturer in Child Psychology under 1st priority

(18) DEPARTMENT OF RADIOTHERAPY & CANCER RESEARCH
and Radiation

1 The centre of Radiotherapy/Medicine was established in 1967. It offers courses leading to the award of the degrees of M.B.B.S., M.D., Ph.D. and diploma (I.M.R.T.).

2 The faculty of the Centre includes one Professor, one Reader and one Lecturer. Post of one Lecturer is lying vacant. The vacant post may be filled up early. It was noted that one temporary Lecturer was working against the vacant post.

3. The research work is being done in the areas of (i) Management of Advanced Malignancies, (ii) Accurate Dosimetry; (iii) Development of existing Radiotherapeutic techniques; (iv) Use of Radioactive isotopes in the management of cancer patients. 26 Research papers were published by the faculty so far.

* Public Health Nurse	1
Store-keeper	1
Statistical Asstt.	1
Animal Attendant	1

4 The main objectives of the Centre during the Fifth Plan period are as under:-

- (i) Consolidation of the existing facilities;
- (ii) Upgrading the centre to a full-fledged Department;
- (iii) To start training in Nuclear Medicine for D.R.M. and M.D.;
- (iv) Cancer Survey in surrounding rural areas and cancer detection centre in the hospital;
- (v) Improvement in Radiotherapy techniques, combination therapy and immunotherapy;
- (vi) Accurate Radiation Dosimetry of the Patients using TLD including in vivo and on surface measurements.

5 The Radiotherapy Department is one of the most important Departments in any Medical Institution. This Department in the Institute of Medical Sciences, Banaras Hindu University has only a few useful equipments and a very small ward crowded with patients. Enlargement and expansion of this Department is essential with the addition of more equipments for Radiotherapy as well as Nuclear Medicine.

6 The Committee recommends additional faculty, other staff, provision for books, journals and equipment during the 5th plan period:

	Ist	2nd
	<u>P r i o r i t y</u>	
(Rs. in lakhs)		
(a) <u>Non-recurring</u>		
Books	0.30	0.20
Equipment	2.50	1.50
Total:	<u>2.80</u>	<u>1.70</u>
(b) <u>Recurring</u>		
Reader	1	--
Others *	3	--
Sr. Resident	1	--
<hr/>		
*		
Store-keeper	1	
Social Worker	1	
Lab. Assistant	1	

(c) Specialisation of the faculty recommended:

Reader in Nuclear Medicine under 1st priority.

(19) DEPARTMENT OF DENTAL SURGERY

1. The Department of Dental Surgery was established in 1971. It offers courses leading to the award of the degree of M.B.B.S.

2 The faculty of the Department includes one Reader and one Lecturer. No post is lying vacant.

3 The research work in the Department is being done in the areas of (i) Prevention-Dental Caries; (ii) Periodontal Diseases; and (iii) Leucoplakia. 31 Research papers were published by the faculty so far.

4 The main objectives of the Department during the Fifth Plan period are as under:-

(a) To acquire necessary facilities for starting MDS course.

(b) Rural Dental Health Care.

(c) As a future plan to start B.D.S. course.

5. The Committee makes the following observations:-

(a) The Department lacks in staff as per recommendations of the Medical Council of India. There is a shortage of beds and essential equipment in the Department.

(b) As regards proposals of starting the M.D.S. course in the Department of Dental Surgery in the speciality of Operative Dentistry, the Committee feels that it may be premature at this stage to introduce such a course although the Academic Council of the University has accepted and passed this proposal. Before planning the postgraduate course in the various specialities of Dental Surgery, the Committee is of the view that it is absolutely necessary to start an undergraduate course leading to the Degree of Bachelor of Dental Surgery (B.D.S.). It

is a four year course which could be started with a small student enrolment of say about 10 only. The Committee is strongly of the view that without having B.D.S. course of high standard and quality there will be lot of difficulties in conducting the M.D.S. course directly. The Committee suggests that introduction of the M.D.S. course may be postponed at this stage till the B.D.S. course has been implemented successfully.

- (c) Dr. Bhargava suggested the creation of a Dental College at the Banaras Hindu University. A copy of the proposal formulated by him is enclosed as Annexure 16.

5. The Committee recommends additional faculty, other staff and provision for books, journals and equipment during the Fifth Plan period:

(a) Non-Recurring

	P R I O R I T Y	
	1st	2nd
	(Rs. in lakhs.)	
Books	0.30	0.20
Equipment	1.50	0.75
Total:	1.80	0.95

(b) Recurring

Profe-ssor	1	-
Reader	1	-
Others	6 *	-

- (c) Specialisation of the faculty recommended:-
Professor in Dental Surgery under 1st priority
Reader in Dental Surgery under 1st priority

*

Senior Technical Assistant - 1; Steno-Typist-1; Laboratory Assistant-1; Dental Hygienist-1; Store-keeper-1; and Dental Laboratory Attendant-1.

(20) DEPARTMENT OF PSYCHIATRY

1 The Department of Psychiatry was established in 1971. It offers courses leading to the award of the degrees of M.B.B.S., M.D., and Ph.D.

2 The student enrolled during the period 1971-76 in various courses are given below:-

Course	1971-72	1972-73	1973-74	1974-75	1975-76
M.B.B.S.	60	62	59	52	61 (1 year for Behav. Sciences).
M.D.	68	69	59	59	57 (each year from Medicine)
M.D.	4	2	-	-	4

3 The faculty of the Department includes one Professor, one Reader and one Lecturer. Post of one Reader is lying vacant. The vacant post may be filled up early.

4 The research work in the Department is being done in the areas of (i) Epidemiology; (ii) Psychosomatic Medicine; (iii) Behaviour Therapy; and (iv) Student Mental Health. 17 Research papers were published by the faculty so far. One project financed by Government of India is being pursued in the Department.

5 The main objectives of the Department during the Fifth Plan period are as under:-

- (a) To consolidate the postgraduate Training Programme.
- (b) To develop areas of Biological Psychiatry and Social Psychiatry.
- (c) To develop clinical Psychology and Behavioural Science Laboratories.
- (d) To develop Laboratory and Research facilities.

6 The Committee makes the following observations:-

(a) The Department has started an Indoor Dutch Project of collaboration in areas of service and research with the University of Leiden.

(b) Some of the deficiencies of the Department are:-

- i) Acute shortage of teaching and ancillary staff.
- ii) Lack of Clinical and Research Laboratories and equipment.
- iii) Acute shortage of Residents staff to cope with Clinical work.
- iv) Acute shortage of Beds.

7 The Committee recommends additional faculty, other staff and provision for books, journals and equipment during the Fifth Plan period:-

(a) <u>Non-Recurring</u>	<u>P R I O R I T Y</u>	
	<u>1st</u>	<u>2nd</u>
	(Rs. in lakhs)	
Books	0.30	0.20
Equipment	2.00	1.00
Total:	2.30	1.20

(b) Recurring

Reader	1	-
Lecturer	2 *	-
Others	5	-

(c) Specialisation of the faculty recommended:-

Reader in Bio-Psychiatry under 1st priority
Lecturer (1) Social Psychiatry & (2) Biological Psychiatry under 1st priority.

* Steno-typist-1; Store-keeper-1; Laboratory Attendant-1; Social Worker-1; and Driver-1.

(21) DEPARTMENT OF E.N.T.

1 The Department of E.N.T. (Otolaryngology) was established in 1971. It offers leading to the award of the degrees of M.B.B.S., M.S. and diploma (D.L.O.)

2 The faculty of the Department includes one Professor, one Reader and one Lecturer. No post is lying vacant.

3. The research work in the Department is being done in the areas of (i) Speech & Hearing; (ii) Oncology. 64 Research papers were published by the faculty so far. 2 projects financed with P.L.-480 funds and one Indo-Danish Project were completed in the Department.

4. The main objectives of the Department during the Fifth Plan Period are as under:-

- i) To consolidate the existing facilities and postgraduate training.
- ii) To expand the curative and preventive services not only in the S.S. Hospital but also in the rural areas. For the latter activity the department has the necessary facilities of equipment on account of the two PL-480 projects and the Indo-Danish project. These equipments include availability of a hearing aid bank, portable audiometer and a van.
- iii) Extension of the hospital facilities like, additional wards to decongest the existing wards and separate operating facilities and provision of consultant rooms.
- iv) Procurement of important equipment like, instruments for endoscopy and micro-surgery on availability of necessary funds to the department.

5 The Department is housed with the Department of Ophthalmology in the same building, and have the common operation theatre, which in the opinion of the Committee is not a satisfactory arrangement. The Committee suggests that the EN.T. department be provided with a separate operation theatre. Total number of bed strength available for the E.N.T. Department is very inadequate.

P.T.O.

6 The Committee recommends additional faculty, other staff and provision for books, journals and equipment during the Fifth Plan period:-

(a) Non-Recurring

	P R I O R I T Y	
	1st	2nd
	(Rs. in lakhs)	
Books	0.30	0.20
Equipment	1.00	0.50
Total:	1.30	0.70

(b) Recurring

Professor	-	1
Others	2*	-
Sr. Resident	1	-

(c) Specialisation of the faculty recommended:

Professor in Otolology under 2nd priority.

CENTRAL FACILITIES

The Central facilities of the Institute include the following:-

- 1 Surgical Research Laboratory
- 2 Central Animal House
- 3 Central Workshop
- 4 Art and Photo Section
- 5 Library
- 6 Mortuary Complex.

1 SURGICAL RESEARCH LABORATORY

1 The Surgical Research Laboratory came into existence in 1960. It has grown into a multi-discipline research centre where Medical Scientists, Biologists, Chemists, Biochemists, Medicinal Chemists and Endocrinologists work in collaboration. Apart from this, research facilities are extended to various other clinical, biomedical and basic science departments.

* Store-keeper-1 & Aconstie Engineer-1.

2 At present research work is being done in the following areas:-

- (1) Immunology
- (2) Neuroendocrinology and Endocrinology
- (3) Stress and Yoga
- (4) Tissue Culture and Electronmicroscopy
- (5) Biochemistry
- (6) Phytochemistry and Pharmacology
- (7) Synthetic organic Medicinal Chemistry

Immunology: Effect of pathological states specifically stress, malignancy and endocrine dysfunction on immune response is being investigated.

Neuroendocrinology and Endocrinology: At present endocrine research is mainly directed in areas like: morphological studies on endocrine glands and neuro-endocrine complex in different species, neuroendocrine functions, thyroid physiology, reproductive endocrinology, hormonal response to stress and clinical endocrinology.

Stress and Yoga: This unit is currently engaged in biological study on stress including stress disorders, practice of Yoga and the therapeutic evaluation of indigenous psychotropic drugs. The broad problems under investigation are as below:-

- 1 Physiological studies on stress response.
- 2 Clinical and Biochemical studies on stress disorders.
- 3 Physiological studies on yogic practices.
- 4 Therapeutic studies on yogic practices.
- 5 Clinical and Pharmacological studies on indigenous psychotropic drugs.
- 6 Clinical and experimental studies on Rasayana Therapy.

Tissue Culture and Electron Microscopy: The laboratory is engaged in organotype culture work, where various types of tissues including bone, skin, thyroid, liver and gonad are grown in vitro. In addition to these, effect of vitamins, hormones and some indigenous drugs on the growth and regeneration of tissue is also studied. Electron microscopic investigation of such tissues is also carried out. This laboratory is providing facilities for the training of guest scientists in culture and electron microscopy.

Phytochemistry and Pharmacology: This group is primarily engaged in screening of oral contraceptives and is partly financed by Central Council for Research in Indian Medicine and Homeopathy.

Synthetic Organic Medicinal Chemistry: A group of investigators are engaged in the synthesis of some typical sulphur containing compounds which might prove as potential antithyroid, antitubercular and anticancerous agents. They are particularly interested in the synthesis of certain derivatives of thiourea, thials and other related compounds with potent biological activity.

3. The details of the scientific and other staff are given in Annexure 17.

4. The achievements of the laboratory are as under:-

(a) So far the following candidates have been awarded degrees for the work done in this laboratory

Ph.D. awarded	18
Ph.D. submitted	5
Ph.D. working	30
M.S./M.D's awarded	15
M.S ./M.D's working	7

(b) **Publications:** Over two hundred articles in standard Indian and foreign Journals.

(c) **Special Issue On:**
1 Transplantation
2 Gastroenterology
3 Wound Healing

4. Cardiovascular Surgery
5. Training of a Surgeon
6. Thyrotoxicosis.
7. Bodily Response to injury
8. Nuclear Medicine.

(d) Proceedings of UGS Seminar on:

- 1 Wound Healing and Tissue Regeneration
- 2 Tissue Culture in Medical Research

(e) Books and Monographs:

- 1 The methods of Surgical Research
- 2 Advances in Research in Indian Medicine
- 3 Mitral Stenosis and Valvotomy
- 4 Kidney and its Regeneration
- 5 Religion and Medicine
- 6 Bodily Response to Injury.

(f) Research Schemes financed by external agencies:

C.C.R.I.M.& H.	4
I.C.M.R.	1
C.S.I.R.	6
I.C.A.R.	1
U.G.C.	4
A.E.D.	1
Drug Companies	1

5 Many other Departments of the Institute collaborate with Surgical Research Laboratory (Annexure 18). The future expansions proposed as follows:-

- 1 To provide central services to all the research workers of the Institute.
- 2 Training of the Medical personnel and Biologists leading to the award of the degree of the Ph.d. in their respective disciplines. These research scholars will be either working

under the guidance of the teachers of the respective departments of the Institute or directly under the department members of the Centre.

3 Training of the Technicians in various branches of the medical technology.

6 In this connection the committee took note of the following observations made by the 4th plan Visiting Committee on the Surgical Research Laboratory:

"The Committee was pleased to see the organization of the surgical research laboratory and the good work being produced. However, it was noted that similar facilities had not been provided for the other clinical departments, both for their research and postgraduate thesis work. It is suggested that a central division of experimental medicine and surgery be created under the Principal where the staff of all clinical departments will have equal facilities for carrying on original research and where post-graduates will have the opportunity to carry on experimental research for their thesis work. The surgical research laboratory should be merged with this division. It is also suggested that the photo and art section should be a part of this division. This envisages a collaborative set up with the facilities and expertise of the pre-clinical and para-clinical department also available and vice-versa. The University be requested to prepare the detailed plans for this division and submit the same to the Commission for consideration."

The Committee also noted that the above recommendations of the 4th Plan Visiting Committee could not be given effect to. The Committee endorses the above observation of the 4th Plan Visiting Committee and suggests that further action be taken early in this regard. The Committee recommends that the following staff may be sanctioned during the 5th Plan period under first priority.

Se-nior Research Fellows	2
Junior Research Fellows	2

Senior Technical Assistants	2
Laboratory Assistant	1
Laboratory Attendant	1
Sweeper-cum-Dome	1

2. CENTRAL ANIMAL HOUSE

1 The Central Animal House of the Institute was sanctioned under 4th Plan. It started functioning in its new building from the session 1975-76. The new building has the facilities like breeding, experiments etc.

2. The Institute have been using a large number of animals for experimental research. Most of these animals are procured from different agencies which involve lot of finances. It is planned to raise the new Central Animal House, Colony of known strains of animals like rats, mice, rabbits and guineapigs to cater the needs of all the Departments of the Institute.

3 The present staff includes animal caretaker (1), Animal attendant (3) and sweeper-cum- dome (1).

4 Additional staff and air-conditioning of the animal house are the important requirements during the 5th plan.

It was stated that laboratory animals are to be maintained instandard and uniform invironmental conditions like temperature humidity etc. This requires complete air-conditioning of the animal house. During the 4th plan the equipments sanctioned for the animal house included provision for air-conditioning also but the amount be-ing inadequate the complete air-conditioning could not be done and it required allocation of funds during the 4th plan period. Further till now the expenditure on purchase, up-keep of animals including the expenditure on food cages etc. was met from the funds earmarked to the Surgical Laboratory. Since the plan are to raise colonies of animals to caterthe needs of all the departments, adequate funds are to be earmarked for the animal house to meet the various expenses.

5 The Committee was greatly impressed with the development of the animal house particularly the way the animals are maintained.

The Committee recommends the following staff under first priority:-

Incharge Animal House	1
Animal Caretaker	1
Store keeper-cum-Clerk	1
Incinerator Operator	1
Sweeper-cum-Dome	2
Animal Attendant	3

3 CENTRAL WORKSHOP INCLUDING CENTRAL GAS HOUSE

1 The present workshop building was sanctioned in the Fourth Plan.

2 The workshop renders service to the various Departments of the Institute and S.S. Hospital. A total number of about 1500 jobs are executed every year. Of these jobs, major are carpentry work which involve construction of test tube and pipette racks, reagent racks, specially designed thermostatic baths, operation tables etc. The workshop carries out repair of instruments like incubators, workshop carries out repair of instruments like incubators, autoclaves, hot air ovens, centrifuges. B.P. instruments etc. The repair of various refrigeration equipments like refrigerators, deep freezers, refrigerated centrifuges and 0°C rooms is also undertaken. The equipments like electrophoresis apparatus are also constructed in the workshop. The workshop also makes glassware like centrifuge tubes, chromatography troughs, homogenisers, ampoules etc. The repair of the electronic instruments is also undertaken.

3 The Institute workshop has five fully operative sections i.e. Mechanical, Electrical, Glass Blowing, Welding and Carpentry.

4 List of important equipments which are available in the workshop are:- (i) Harihar MBD; (ii) Lathe; (iii) Universal Drilling Machine; (iv) Shearing Machine; (v) Double ended Grinder; (vi) Air compressors; (vii) Pipe Bending Machine; (viii) Band Saw Machine; (ix) Multipurpose Wood Machine; (x) Glass Grinder Machine; (xi) Glass Slicer Machine; (xii) Coil Winding Machine; (xiii), Gas Welding Set; (xiv) Electric Welding set; (xv) Battery Charger.

Working of
word wood.

5 The major problem of the workshop is with regard to the repair and maintenance of electronic equipments and for this purpose, a post of an Electronic Engineer has been requested.

6 The Committee was disappointed with the present position of the workshop. The Committee suggests that the University may look into the working of the workshop so as to make it a real worthwhile Central facility. Although many electronic instruments are being used by the bio-medical group of the Institute, there is no engineer to service the instruments.

7 The Committee recommends the following staff under 1st priority.

Electronic Engineer	1
Gas House Attendant	1

4. ART AND PHOTO SECTION

1 This section assists the various disciplines of the Institute in their teaching, research, recording and other functions in the following way:

(a) Art work:

- (1) Medical illustrations for publication of research work.
- (2) Book Jackets.
- (3) Posters; and
- (4) Display charts for exhibition and teaching.

(b) Photography:

- (1) Clinical Photography

- (2) Micro, Macro, Photomicrography, Fluorescence photography etc. in colour as well as in Black and White.
- (3) Projection Slides.
- (4) Gross specimen photography
- (5) Cinematography; and
- (6) Autoradiography and Microangiography.

(c) Projection:

2 The present staff includes:

Artist 5
Photographer 2
Projectionist 1
Laboratory
Asstt. 1
Sweeper 1

3 The Section lacks of adequate staff to provide all the aforesaid services to the entire Institute. Further there is an acute shortage of space.

4 The Committee recommends the following staff under first and second priorities:

Incharge Art & photo section	1	IIInd priority
photographer	1	
Artist	1	Ist priority
Store-keeper-cum-Clerk	1	
Attendant	1	

5. LIBRARY

1. The library shifted to the present building of the Institute in 1967 with the floor area of 5,000 sq. ft. During the 4th plan period another 5,000 sq. ft. area was added to meet the growing needs of the library.

2. The library is going ahead of 45,000 books and 450 current periodicals. The library remains open for 14 hours working in three shifts.

3 It was stated that with the increase in the number of Departments and postgraduate facilities, the amount spent towards the books and periodicals have not been commensurate with the needs of the Institute. Besides the non-recurring grant from the UGC the Institute has been expanding over Rs. 1,00,000/- per annum, for periodicals. Due to increasing cost of the periodicals, a large number of journals had to be discontinued during past years, continuity of which is to be maintained for research purposes. Costly journals like Excerpta Medica, Annals of N.Y. Academy of Sciences, Biochemical at Biophysics Acta, etc. are to be continued. The introduction of M.Ch. and D.M. . . . courses in super-specialities need extra allotment of funds for the purchase of books and journals including back volumes. The Institute would therefore request that besides the non-recurring allotment the UGC may sanction a recurring grant to maintain the procurement of new additions and recent advances. In order to maintain the various services-documentation with running work of cataloguing, tracing, transcribing, filling and servicing and to maintain the efficiency of the library, there is dire necessity of additional library staff both supervisory and subordinate staff.

4. The Commission during the 5th plan period has already sanctioned a grant of Rs. 4,00,000/- as basic grant for books.

5 It was stated that the introduction of post-graduate training facilities required more emphasis on development of departmental library and subscription of more journals besides strengthening of the Institute Library with larger number of reference books, journals etc. An extra-ad-hoc grant is immediately needed to develop the library facilities in all the super specialities which have started M.Ch. and D.M. course from July, 1976. The Institute have been making steadily progress in the field of research for which adequate facilities of library has to be provided. These all facilities in respect of books and journals can be provided only on a liberal allocation for books and journals.

P.T.O.

6 The Committee was happy to see the library facilities and the interest of the librarian in extending facilities to the staff and the students. The various clinical and para-clinical groups also profitably use this facility, and this good library facility needs to be strengthened further. It is essential to increase grants for library, so that several journals which had to be dis-continued could be again started. It is also essential to increase the library staff.

7. The Committee has recommended grants for books for each Department separately. The Committee further recommends a provision of Rs. 2.50 lakhs for the purchase of books for the Central Library of the Institute.

8 The Committee recommends the following staff for the library under 1st and 2nd priorities:

Librarian-Asstt. Librarian	1	2nd priority
Prof. Assistant	1	
Semi-Prof. Asstt.	2	1st priority
Library Attendant	2	

6. MORTUARY COMPLEX

It is proposed to develop the mortuary complex which is utilised by the Department of Anatomy, Forensic Medicine and Pathology. The Institute have got the facility of post-mortums of Varanasi District being conducted in the Institute its-elf for the benefit of undergraduate students and also postgraduates. The Mortuary Complex as proposed would include besides the mortuary plan, facilities for waiting room for Police Officers, relatives and also toilet facilities and emergency duty room for the attendant. The existing mortuary plant available in the Department of Anatomy needs replacement. Some staff-minimum for managing mortuary like mortuary supervisor, mortuary attendant and sweeper-cum-dome have been demanded for this purpose.

The Committee recommends the following staff and provision for equipment during the 5th plan under first priority.

Senior Technical Assistant	1	
Mortuary Attendant	1	
Dome	1	
Equipment		Rs. 1.20 lakhs.

DEPARTMENT OF BIO-MEDICAL ENGINEERING

The Institute proposes to set up a Centre in Bio-medical Engineering during the Fifth Plan period. The objective of the Centre is to develop a full-fledged teaching programme and a strong research and development base. The broad outlines of the teaching and research programmes are given below:-

(a) Teaching

The teaching programme of the centre will have essentially three aspects:

- i) In the M. Sc. (Engg.) programme, course on bio-medical engineering are to be included as electives. In due course of the time it is proposed that the teaching of these courses will evolve into a full orientation towards BME at the postgraduate level.
- ii) Medical doctors in India are becoming more and more aware of the need of knowing about engineering methods used in modern medical practice. However, facilities for refresher courses to meet the need are not available. Therefore, one of the objectives is to run short terms intensive courses for medical doctors who want to have knowledge and experience about modern medical equipment.
Project work to M.D. and M.S. candidate are also to be given.
- iii) Parallel to the above course, another course for engineers will be run. The purpose of the course will be to familiarise engineers with bio-medical engineering principles and instrumentation. This will especially be useful for personnel associated with the rapidly growing medical instrumentation industries.

(b) Research and Development:

The research programme will be oriented towards providing a base for the teaching and meeting the crucial need of the medical profession:

P.T.O.

The areas of research proposed are:--

- i) Instrumentation for evaluation of cardiovascular functions for medical diagnosis and surgery.
- ii) Instrumentation and biological central system.
- iii) Techniques for the study and diagnosis of ophthalmological and Ent aids, including fibre optic prosthesis for cataract and claucoma detection.
- iv) Myo-electric central system.
- v) Bio-mechanics and associated prosthetic devices.
- vi) Devices for speeding up patient handling in hospitals.
 - a. medical test instrumentation.
 - b. computerised patient handling.
 - c. mobil hospitals.
- vii) Microwave and ultrasonic physical therapy.
- viii) Biomedical telemetry.
- ix) Ultrasonic neurosurgical aids.
- x) Study of mammalian subjects under extreme stress.
- xi) Applications of BME to reproductive Biology.
- xii) Applications of BME to the control of communicable diseases.
- xiii) Acupuncutur liverapy especially as applied to epilepsy and Asthma.
- xiv) Hydro Riverapy
- xv) Electro encephalography
- xvi) Neuro psychiatry or stress psychiatry.

The Committee considers the proposal of the Institute to develop a Centre of Bio-medical Engineering during the Fifth Plan as a sound one and is of the view that the scheme be implemented. However, the Committee feels that such a Centre should be established in the Engineering Faculty of the University and the Institute of Medical Sciences should work in collaboration with that faculty. The Committee is confident that in a complex like Banaras Hindu University where there is a well-established Institute of Technology and established Science Departments and the Institute of Medical Science it may not be difficult for the University to implement a programme in Bio-medical Engineer-ing.

TRAINING OF COMMUNITY MEDICINE

The Institute, in addition to the work being done by the Department of Preventive & Social Medicine has already taken over the project of Training of Community Medicine in Rural Areas. In the first phase of the Project, the Institute has provided first aid Training to a batch of people deputed by Gram Pramukhs, from the surrounding village areas of the University. Further, each Department has been allotted a village to look after the complete health care of the people.

In this connection, the Committee was informed about the importance which State Government give to this programme as contained in the State Government's letter reproduced below:-

"As per recommendations of the Joint Council of Health and Family Planning held in New Delhi in April, 1976, it has been decided to attach the following Primary Health Centres to the Institute of Medical Sciences, Banaras Hindu University, Varanasi for purposes of undergraduate training and delivery of package deal of Health Services as also to make available the people in the rural areas expertise available with the Institute.

- 1 Chiraigaon
- 2 Cholapur
- 3 Haraua.

P.T.O.

This is to inform you that Government attaches highest importance to this and therefore utmost importance and assistance should be extended to the authorities of the Institute."

The Committee recommends a provision of Rs. 0.75 lakhs for the purchase of a vehicle and other equipments:- The Committee also recommended a recurring expenditure of Rs. 25,000/- p.a. for the P.O.L. expenses and drug and dressing material etc.

Equipment	Rs. 0.75 lakh
Recurring	Rs. 0.25 lakh (per annum).

CENTRAL CLINICAL LABORATORY

It is proposed to establish a Central Clinical Laboratory during the 5th plan period where various advance type clinical investigation facilities would be made available both for research and relief. It was stated that besides the routine investigative laboratories in the hospital, the Departments of the Institute are largely involved in the advance type of investigations. The Committee supports the proposal of the Institute. It was noted that such a facility will be developed in phases and that certain sophisticated specialized equipments are already available with the Institute.

It was disturbing for the Committee to note that the growth of Clinical Bio-chemistry had not been well planned and well co-ordinated. A number of Clinical Bio-chemistry programmes have been taken up by a number of groups without proper supervision. The Committee strongly suggest that this arrangement should not be allowed to continue and a centralized well-developed Clinical Bio-Chemistry Unit be established to co-ordinate all the aspects of Clinical Bio-chemistry work. The Committee suggests that the university may keep this in view while developing the Central Clinical Laboratory.

The Committee recommends a provision of Rs. 2 lakhs under first priority and Rs. 1.00 lakh under second priority for equipment needs of this laboratory.

STAFF QUARTERS

The University has asked a sum of Rs. 20 lakhs for the construction of staff quarters for the staff of the Institute of Medical Sciences. It was requested by the University that this may be provided outside the present allocation. The Committee has earlier on page 14 of the report given the present position of the staff quarters and the staff which is yet to be provided with such facility. It was stated by the authorities of the Institute that due to demand and increase in the number of staff-teaching and non-teaching, the present number of quarters is inadequate. Further there is a pressing need for married accommodation for the postgraduate students of the Institute specially after the introduction of residency training. The Committee in this regard was informed about the policy of the Commission in line with that of the hostels as indicated separately (page 122). The Committee was given to understand by the University that it would not be possible for them to provide staff quarters for the staff of the Institute out of the general allocation and that some funds may be provided for the purpose during the plan. This is essential for the medical staff and also in view of the residential character of the University. The Committee suggests that an allocation of Rs. 10 lakhs may be provided to the University for this purpose as a special case under second priority.

PUBLICATION UNIT

1 This Unit was started in 1965 with the financial support from the UGC for publishing a quarterly Journal of Surgical Sciences. The staff included only one post of Proff-Reader-cum-Typist. During the 4th plan, the Unit was financially supported with the Institute fund consequent to the merger of the scheme with the block grant.

2 This Unit has been rendering important services in publication of the above journal till now. So far the journal has published 11 volumes with 4 numbers each with the following special issues,

P.T.O.

supplements and seminar proceedings:-

Supplements:

- (a) Biology of Fracture Healing.
- (b) Kidney and its Regeneration.

Special Issue on:

- (a) Transplantation
- (b) Gastroenterology
- (c) Wound Healing
- (d) Cardiovascular Surgery
- (e) Training of a Surgeon
- (f) Thyrotoxicosis
- (g) Endocrinology
- (h) Bodily Response to injury
- (i) Nuclear Medicine

Proceedings of UGC Seminars on:

- (a) Wound Healing and Tissue Regeneration
- (b) Tissue Culture in Medical Research

Books and Monographs:

- i) The methods of surgical Research
- ii) Advances in Research in Indian Medicine
- iii) Mitral Stenosis and Valvotomy
- iv) Kidney and its Regeneration
- v) Religion and Medicine
- vi) Bodily Response to Injury.

3. It was stated that due to special nature of the work of publications-printing, proof-reading, marketing etc., this Unit was also entrusted from time to time the responsibilities of publication of books, articles, conference materials etc. besides the usual work of publication of Journal. One of the important requirement of the members of the staff for promoting research has been lack of assistance for typing of articles, proof-reading and other related problems of publication.

4. During the 5th plan period, it is proposed to organise and consolidate the facilities of the publication Unit. It is proposed that the Unit will extend facilities like typing of articles, printing problems, proof-reading, assistance in collection of research materials, correspondence regarding dispatch of reprints etc. The above facilities when pooled and provided centrally to the teachers of the Institute, will prove a boon for the development of research in the Institute:

The Committee recommends the following staff during the 5th plan period under first priority:

Proof Reader-cum-Typist	1
Packer-cum-Binder:	1

The Committee recommends a provision of Rs. 5 lakhs under first priority for the equipment needed by the Art and Photo Section, Central Workshop, Animal House and Surgical Research Laboratory.

PART-TIME PHYSICAL INSTRUCTORS

It was stated that the games and sports activities of the medical students have been suffering for want of any physical Instructor. Previously there was arrangement of a part-time Physical Instructor for medical students but the same was later withdrawn. The Institute has asked for a part-time physical Instructor. The Committee hopes it should be possible for the University to provide this from its funds.

OTHER AMENITIES

The Institute has asked for some of the basic amenities required for students both in the hostel and in the Institute. These include furnitures for the hostel/reading room, water cooler and recreation facilities in the hostel as well as Institute. The Committee supports the proposal and recommends a sum of Rs. 1.00 lakh under first priority.

STUDENTS AMENITIES

(a) Hostel for Postgraduate students:

The University has asked funds for the construction of a hostel for postgraduate students. The hostel accommodation available and the additional needs have already been given on page 12 of the report. The University authorities during the course of their discussion with the Committee stated that there has been acute shortage of hostel accommodation during the past 3 years. This has been mainly due to - (1) starting of postgraduate courses in all the subjects, (2) reduction in the number of girl students in M.B.B.S. course. During the last 4 years, hardly 5-10 girl students have been admitted. This has resulted in overcrowding the boys hostel. The present hostel was constructed for M.B.B.S. students only. There has been no provision for postgraduate students till now. Consequent to the introduction of residency programme in all the pre-clinical, para-clinical and clinical departments, the number of students needing accommodation in the hostel have increased. The accommodation required for Ph.D. scholars and research fellows is extra. Therefore, there is an immediate necessity of hostel for residents accommodating 230 students (including provisions for repeaters). It was further stated that the UGC had already agreed and approved plans and estimates for the construction of a hostel amounting to Rs. 10.50 lakhs. This had to be revised to accommodate almost double the number of students originally planned. In this connection the Committee was given to understand that the Commission in general is of the view that students facilities such as hostels etc. should be provided in a university on an integrated basis and not on a faculty/collegiate basis unless there are separate earmarked funds available for this purpose. The Committee further understands that the UGC had intimated the Banaras Hindu University to provide for hostels for the medical students out of the 5th plan allocation of the University. The Committee was also informed that the Commission on the recommendation of the Visiting Committee which assessed the 5th plan development proposals of

Banaras Hindu University has allocated a sum of Rs. 4 lakhs for men students hostel, Rs. 2 lakhs for women students hostel and Rs. 4 lakhs for teachers' quarters as general and not separately for medical engineering, arts, science faculty etc.

The Vice-Chancellor, Director Plan-Coordination, Director, Institute of Medical Sciences categorically told the Committee that it would not be possible for the University to provide any hostel facilities to the students of the Institute of Medical Sciences out of the funds approved by the Commission on the basis of the 5th plan Visiting Committee recommendations. They, therefore, very strongly impressed upon the Committee to request the Commission to kindly agree to the proposal of the University for a separate hostel for postgraduate students of the Institute of Medical Sciences.

The Committee was further given to understand that the question of earmarking funds for the medical education in the Central Universities is under the consideration of the Commission in consultation with the Govt. of India and that some allocation is likely to be made for the purpose. The Committee is convinced about the need of a hostel for postgraduate students particularly in view of the introduction of the new residency scheme and the starting of a number of post-graduate courses in the Institute during the 4th plan period. The Committee strongly recommends the acceptance of the proposal of the University as a special case.

SCHOLARSHIPS AND FELLOWSHIPS

The Institute has requested 5 scholarships of the value of Rs. 100/- each for the M.B.B.S. courses to be awarded to the candidates occupying first 5 positions in the pre-medical examination. It was stated that presently there is no provision of any kind of scholarships either for undergraduate students or for research purposes which may attract meritorious and outstanding candidates from different parts of the country. It was also stated that during the last decade the research activities in the various

P.T.O.

Departments of the Institute have considerably increased. Many of the Departments have enrolled candidates for Ph.D. in the respective projects. The demand has been increasing but there is no provision of scholarships except available under research projects of the C.S.I.R., I.C.M.R. etc. The Institute has requested for 10 Junior Research Fellowships. The Committee supports the proposal of the University and recommends that these fellowships may be provided outside the allocation made for the Institutè.

TAKING OVER OF KASHI KUSHTHA SEWA
SANG, SARNATH, VARANASI

- 1 The University has made a proposal for the taking over of Kashi Kushtha Sewa Sang, Sarnath, Varanasi. This involves an expenditure of Rs. 9.57 lakhs in order to run the Centre on modern lines and to provide necessary additions in the physical facilities, staff and services.
- 2 The Kashi Kusht ha Sang (Sarnath) has been running a Leprosy and T.B. Sanitorium. This includes the following components: (i) Lepr-osity Centre (ii) T.B. Centre and (iii) Rehabilitation Centre.
- 3 The Kashi Kushtha Sewa Sangh is a voluntary organisation devoted to the total care of leprosy in our society namely, education of society regarding the disease, diagnosing it, treating by drugs and surgery where required and rehabilitating these patients. It was founded in 1967 by late Padmashree Dr. Bhole Nath and is registered. A 75 bedded hospital fully equipped with X-ray, Pathology laboratory, Operation theatre etc. is running. The rehabilitation Centre attached to it has been providing psychological rehabilitation apart from physical and social rehabilitation. The Sang has been receiving some non-recurring grant from the Government and private organizations.
- 4 After the death of its founder the University has agreed to take over running of the above Leprosy and T.B. Centre for service as well as training of the students in the rural set up. The present policy

of Government of India to have such an institution attached to the University for free plan of services between the medical institution and periferial areas for providing rural medical care, health education and rehabilitation and leprosy, have been the main consideration. The Centre will serve as:-

- (a) A periferial Rural Hospital with 76 beds to the Institute.
- (b) Provide facilities for treatment and rehabilitation of leprosy and tuberculosis.
- (c) As a teaching area in these specialities, it will be an asset.
- (d) It will provide a location for contact of the rural population with the experts and help to implement the Government's policy in providing medical care and the 20 point programme.

5 The Committee supports the proposal of take over of the Sang by the University but suggests that this may be done in consultation with the State Government and the Central Government including the U.G.C. The Sang may be looked after by the Department of V.D. and Dermatology of the Institute where work on Leprosy is also being done. It will also be desirable to consult the Department of Preventive and Social Medicine in formulating the working programme. The Committee suggests that the university may approach the UGC later after they have consulted the State Govt. The taking over of this would involve an expenditure of about Rs. 9.5 lakhs (R & Non-recurring).

ADDITIONAL BEDS

The Institute has requested for 200 beds to be provided during the 5th plan in the S.S. Hospital outside the allocation already made by the Commission. It was suggested by the University that the proposal may be considered by the Commission as a first charge on the hospital allocation to be made in the 5th plan. The Institute gave the following justification

in support of their proposal.

1. The SS Hospital attached to the Institute of Medical Sciences for providing clinical training to the students-undergraduate and postgraduate students of the Institute has been catering the needs of the people of Eastern U.P., Northern Bihar and other adjoining States. Being an economically backward region, the people from distant places have been attending the Hospital. The out-patient attendance of the hospital has reached over 4,29,000 during 1975. The in-patient number has been over 16,000. In spite of all the specialised treatment facilities available in the hospital, quite a large number of patients are refused admission or are kept waiting due to shortage of beds.

2. The sanctioned bed strength of the Institute Hospital by UGC is 550 which was approved as follows:

Undergraduate	350
Postgraduate	200

Total: 550

3. The bed requirements for undergraduate training was calculated at the rate of 1:7 for 50 students which is the approved intake of M.B.B.S. course by the UGC. This strength however needs revision since the actual intake for M.B.B.S. course much exceeds against the sanctioned intake as explained below:-

(1)	Sanctioned intake	50
(2)	Seats reserved for Govt. of India nominees for foreign students.	4
(3)	Seats reserved for scheduled caste/scheduled tribe candidates.	10
(4)	Additional seats for those who obtained same marks in the P.M.T. as obtained by the last admitted candidates (as per B.M.U. Ordinance).	4

P.T.O.

Thus for about 65 to 70 M.B.B.S. students admitted requirements every year, the requirements of beds in the Hospital comes between 450 to 500.

4 The present strength of 550 beds includes 200 beds for postgraduate training. This number was fixed about 7-8 years back. The Institution is now providing postgraduate training in all the broad specialities. From 1.1.1974 the residency scheme of training has been introduced and recently the UGC has approved 210 number of residents.

5. The recommendations of the Medical Council of India on Postgraduate Education (1971) with regard to the beds are as follows:

"In order to be able to train postgraduates in Medicine, Surgery and their various specialities, it is absolutely essential to have a large sized teaching hospital. The number of beds of this hospital has to be carefully related to the number of postgraduates that have to be trained in the various departments. A specialist clinical Unit of 50 beds could train not more than 5 postgraduates at one time. In other words, in order to give adequate clinical experience to the postgraduates in General Medicine and its specialities and sufficient operative experience to the students in Surgery and its various specialities, we should have a 1000 bedded hospital if we wish to train 100 postgraduates. It is desirable that atleast 150 beds should be reserved for General Medicine and a similar number for General Surgery so as to provide three units in each of these two major departments. The specialities of Medicine and Surgery should have 50 beds each. The department of Obstetrics and Gynaecology will, however, have to be given a larger share and atleast 75 beds should be provided for this purpose".

6 In accordance with the above recommendations of the Medical Council of India, the existing bed strength of the Hospital attached to the Institute of Medical Sciences should be increased from 550 to atleast 750 beds. The immediate requirements of beds for the Department of Medicine and Surgery and

their specialities would be as follows:

Department	Recommended Beds	Existing Beds	Shortage	Immediate requirements
<u>GENERAL SURGERY</u>	150	80	70	-
<u>Specialities:</u>				
1 Plastic Surgery	50	10	40	15
2 Thoracic Surgery	50	10	40	15
3 Neuro Surgery	50	10	40	15
4 Paediatric Surgery	50	20	30	5
5 Urology	50	15	35	10
Total:	400	145	255	60
<u>GENERAL MEDICINE:</u>	150	80	70	-
<u>Specialities:</u>				
1 Endocrinology	50	10	40	15
2 Cardiology	50	10	40	15
3 Neurology	50	10	40	15
4 Gastro- enterology	50	10	40	15
5 Nephrology	50	5	45	20
6 Skin & V.D.	50	15	35	25
7 T.B. & Chest Diseases	50	15	35	25
8 Dental Surgery	-	5	-	10
Total:	500	150	34	140

7 The terms of reference of the Committee were limited to the proposals of the Institute of Medical Sciences relating to medical education only and the requirements for the hospital were not to be considered by the Committee. In view of this, the Committee did not examine this proposal of the University.

8 The University has given the distribution of beds out of 550 beds available in the new hospital where the number of beds for each super-speciality has been shown separately. This number will be increased in accordance with the norms of the Medical Council of India on the availability of 200 beds. The over-all position is given in Annexure 19.

ADMINISTRATIVE OFFICE AND ATTACHED UNITS

The Institute has asked for additional administrative staff during the 5th plan period. It was stated that all the activities of the Institute relating to administrative, academic, financial and other matters are being managed with the staff which was sanctioned initially with the establishment of the Institute of Medical Sciences (1960) without any additions during the 4th plan period. Further with the tremendous increase in the work-load during the last 15 years of development of the Institute, the existing strength of staff of the office of the Director, is hardly adequate to cope with all the activities attached with the office and addition of more staff is a dire necessity during the 5th plan period for efficient work and services. It was also stated that during the 4th plan the Visiting Committee had decided to leave the matter of office staff for the consideration of the university but no additions of staff could be made except an Assistant Registrar during the last one decade. The Committee is of the view that more staff has to be provided to enable the Institute to carry out its administrative, financial and other matters. The Committee was not in a position to go into the details of such requirements because this would require a detailed examination keeping in view the requirements of the staff vis-a-vis the other academic units of the university. This problem cannot therefore, be considered in isolation. The Committee however, allocates a sum of Rs. 1.50 lakhs for such staff under first priority and Rs. 0.75 lakh under

second priority and suggests that the university may determine the additional staff for the Institute at the earliest. The Committee is convinced for such a need and therefore hopes that the additional staff would be provided at the earliest, in order to see that the work of the Institute does not suffer.

OFFICE EQUIPMENT

The Institute has asked for funds for the procurement of office equipment like typewriters, water-cooler, duplicators etc. which cannot be purchased out of equipment grant meant for scientific equipments only. The provision will cover the requirements of all the Departments/Sections of the Institute. The Committee supports the proposal of the Institute.

FURNITURE

The Institute has asked funds for the purchase of furniture. It was stated that during the course of years with the development of the Departments, introduction of postgraduate training programme, more number of postgraduate students, additional sanctioned of the staff during the 4th plan and creation of many new Departments, there is an acute shortage of furnitures both for laboratory, seminar and demonstration rooms and office furnitures. The Committee supports the proposal.

PABX TELEPHONE EXCHANGE

The University proposes to instal an exchange of its own in the Institute during the 5th plan period. It was stated that with the development of medical complex in the University, there is an urgent need of adequate internal communication facilities. The Committee supports the proposal of the University.

MULTI-PURPOSE HALL

A proposal has been made by the University for the construction of a multi-purpose hall. It was stated that for an undergraduate institution; the Medical Council of India has recommended a big lecture theatre which can accommodate all the students of the institution. In the present building of the Institute only 3 small lecture theatres with the capacity of 100 students are

available which are not adequate to meet not only the routine academic requirements like examinations, seminars, symposiums but also vocational needs for any conference, guest lectures arranged by the Institute, which is very common in the case of Institute where a large number of visitors and guests happen to visit. According to the policies of the University, all the examinations are conducted by the Faculties concerned. At least one examination hall is needed for arranging examinations only which are five times in a year in case of undergraduates and twice for postgraduates besides other routine periodical examinations. In order to meet these requirements there is a most pressing need for a multi-purpose hall in the Institute where the various kinds of activities, curricular and extra-curricular may be arranged at the Institute level, commensurate with the strength of staff of the Institute.

The Committee appreciates the proposal of the University but recommends the proposal under second priority in view of the other urgent needs of the Institute.

ADDITIONAL FLOOR IN THE EXISTING BUILDING

Funds have been asked for the construction of an additional floor in the existing building of the Institute. It was stated that with the development of the Institute and expansion of the Departments in the field of teaching and research, addition of more staff and students, sanction of various schemes financed by other agencies like I.C.M.R., C.S.I.R. etc. the space available in the existing building is proving insufficient. Some of the Departments have acute space problems and there is hardly any scope to accommodate future expansion, activities, creation of Departments etc. in the existing building. During the current plan period the Institute has proposed for the creation of new Departments and development of super-specialities. In the field of research new posts of research fellows have been asked. Proposals also include the establishment of a Clinical Laboratory. The space available for the Central Photo and Art Section is insufficient. Similarly in the administrative wing there is no scope for further accommodation for future development. There is need of a conference room for the

meetings of the Heads of the Departments, Postgraduate Medical Board of the Institute. Keeping all this in view, the Institute has made a proposal for the construction of an additional floor in the existing building to meet some of the urgent demands of space. This point has also been raised by the Inspectors of the Medical Council of India on more than several occasions. It was also suggested that if possible a separate administrative complex building accommodation the administrative wing, conference hall, photo and Art Section, Publication Unit and other be provided. The space available for the existing Departments and other related Units is given in the Annexure ~~for~~ . The Committee keeping in view the growth of the Institute during the 4th plan and the proposed development in the 5th plan recommends that the proposal of the Institute may be accepted.

SPACE FOR GODOWN AND GARRAGES

The University has made a proposal for construction of godown and garrages along with chowkidar's cabin attached to them. It was stated that one of the shortcomings experienced during the course of years in the existing building has been found lack of space for the central store and garrages for the vehicles. There is no proper place wherein consignments received daily from the railways could be stored before their deliveries to the respective Departments. Similarly for large number of vehicles there are no garrages. The Committee noted that a few vehicles are parked in the open for want of garrage space. The Committee supports the proposal of the University.

LABORATORY MAINTENANCE/ CONSUMABLES

The Institute has requested for additional recurring grant for the maintenance of its laboratories etc. It was stated that all the development programmes envisaged during the 5th plan will require additional maintenance grants. Further there has been increase in the cost of chemicals, glasswares, animals and other contingent expenses. The research activities of the Departments have increased. The number of Departments and Units have also gone up. The extension activities of the

Institute to the rural areas will entail extra expenses on maintenance of vehicles, P.O.L., drugs and dressing materials. The Institute is also planning to extend the facilities of typing, postage printing of research papers and other materials to the teachers for which necessary funds will be required. The development of the specialities and conduct of D.M./M.Ch. courses will also require considerable recurring expenditure. The Committee keeping in view all these points suggests that an additional recurring expenditure of Rs. 3 lakhs per annum may be made available to the Institute for the remaining period of the 5th plan.

The Committee makes the following recommendations:-

Sl. No.	Item	P R I O R I T Y	
		1st	2nd
1	Office equipment	Rs. 1.00 lakh	-
2	Furniture	Rs. 1.00 lakh	Rs. 1.00 lakh
3	PABX Telephone Exchange	Rs. -	Rs. 1.50 lakhs
4	Multi-purpose Hall	-	Rs. 5.00 lakhs
5	Additional floor	-	Rs. 5.00 lakhs
6	Space for Godown and Garrages	Rs. 0.75 lakhs	Rs. -
7	Laboratory Maintenance/Consumables.	Rs. 6.00 lakhs	-

PART VIIIFINANCIAL IMPLICATIONS

The Committee has emphasised its approach in making recommendations for the various proposals of the Institute in the earlier pages of the report. The Institute is to consolidate the existing activities of its various departments in respect of programmes of teaching and research and also to implement the programme of super-specialities in the various areas of medicine and surgery. All this has been discussed by the Committee on the earlier pages of the report. The overall recommendations of the Committee under first and second priority are given below:-

	<u>First Priority</u>	<u>Second Priority</u>
	(Rupees in lakhs)	
A. Non-recurring	97.85	55.60
B. Staff	46.50	4.08
Total:	<u>144.35</u>	<u>59.68</u>
C. Schemes already approved	5.35	-
Total:	<u>149.70</u>	<u>59.68</u>

The funds already made available for books and equipment under the basic grants to the Institute may be adjusted against the provision recommended above.

The Committee has recommended 5 scholarships of the value of Rs. 100/- p.m. for M.B.B.S. students and 10 Junior Research Fellowships for pursuing research in the Institute outside the allocation.

The Institute has requested a sum of Rs. 9.50 lakh for the taking over of T.B. and Leprosey Centre of the Kashi Sewa Sangh outside the allocation. This may be decided by the university in consultation with the UGC.

PART IX-ACKNOWLEDGEMENTS

The Committee puts on record its sincere thanks to Dr. K.L. Shrimali, Vice-Chancellor, Banaras Hindu University, Prof. Gopal Tripathi, Director, Plan Coordination, Dr. K.N. Udupa, Director, Institute of Medical Sciences, Faculty and Officers of the Institute and University/facilitating the work of the Committee.

for

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|---|------------------------|-----------|
| 1 | (Dr. P.N. Chhuttani) | Convenor |
| 2 | (Dr. A.K. Basu) | Member |
| 3 | (Dr. G.B. Parulkar) | Member |
| 4 | (Dr. B. Ramamurthi) | Member |
| 5 | (Dr. K. Bhargava) | Member |
| 6 | (Prof. J.S. Neki) | Member |
| 7 | (Prof. B.K. Bachhawat) | Member |
| 8 | (Dr. M.L. Mehta) | Secretary |

FACULTY POSITION IN THE INSTITUTE.

S.No.	Departments	Posts sanctioned so far.			Posts filled so far			Posts lying vacant & date(s) from which lying vacant			Remarks, if any.
		Prof.	Read.	Lect.	Prof.	Read.	Lect.	Prof.	Read.	Lect.	
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
1.	Anatomy	1	3+1	2	1	3+1	1	-	-	1	(since 28.6.76)
2.	Physiology	1	3+1	6+1	1	3+1	*4+1	-	-	2	Since 9.7.75, 31.7.75, 5.7.75. * One Lecturer working temporarily.
3.	Biochemistry	1	@ 2	1	1	@ 2	1	-	-	-	@ One under Personal Promotion Scheme.
4.	Biophysics	1	1	1	-	1	1	-	-	-	(since sanction)
5.	Pharmacology	@ 3	@ 2+1	2	3	2+1	2	-	-	-	@ One Professor & one Reader under Personal Promotion.
6.	Pathology	@ 2	3+1	6	2	3+1	4	-	-	2	@ Since 14.10.73 and 9.7.75. Two temporary Lecturers are working.
7.	Microbiology	1	2	2	1	1	1	-	1	1	Two temporary Lecturers are working. (since 3.2.76) (since 11.9.75)
8.	Ophthalmology	1	@ 3	2	1	3	2	-	-	-	@ One Reader under Personal Promotion Scheme.
9.	Radiology	1	1	2	1	1	2	-	-	-	

10.	Forens. Medicine	1	1	1	1	1	1	(temp.)	-	-	-	Temporary Lecturer is working.
11.	Paediatrics	1	2	3	1	2	1		-	-	2 (since 23.3.76)	One temporary Lecturer is working.
12.	Obst. & Gyn.	1	2	4	1	-	4		-	2 (since 15.2. 76 & 23.3.76)	-	Two temporary Lecturers are working against Reader's post.
13.	Radioth. & Rad. Medicine.	1	1	2	1	1	1		-	-	1	One temporary Lecturer working.
14.	P.S.M.	2	3	5	1	1	5		1	2	-	One temporary Lecturer working against Reader's post. (sanctioned (since under Vth 16.8.70 & Plan) 2.12.74)
15.	Surgery	3	3	8	3	8	8		-	-	-	@ Two Reader under Personal Promotion Scheme.
16.	Anaesthesiology	1	2	6	1	2	4		-	-	2 (since 27.10. 76 & 3.4.76)	One temporary Lecturer working.
17.	Orthopaedics	@ 2	@ 1	-	2	1	-		-	-	-	@ One Prof. & one Reader under Personal Promotion scheme.
18.	E.N.T.	1	1	1	1	1	1		-	-	-	
19.	Dental Surgery	-	1	1	-	1	1		-	-	-	

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.
20. Medicine		06	5+1	6	6	3+1	6	-	*2 (since 29.9.75	-	@ One Prof. under Personal Promotion. * Readers in Skin & V.D. & T.B. & Chest Disease.
21. Psychiatry		1	2	1	1	1	1	-	* 1	-	* Since sanction.
		32	49+5	62+1	30	41+5	51+1	2	8	11	* Sanctioned - Ministry of Health.

STATEMENT OF TEACHING STAFF (DEPARTMENT-WISE, CADRE-WISE) OF THE INSTITUTE OF MEDICAL SCIENCES, BANARAS HINDU UNIVERSITY

<u>Professors</u>		<u>Readers</u>		<u>Lecturers</u>	
Name, Age & Date of appointment to the post.	Specialisation	Name, Age & Date of appointment to the post.	Specialisation	Name, Age & Date of appointment to the post.	Specialisation
1.	2.	3.	4.	5.	6.

Dr. K.N. Udupa,
56 years
Director & Dean,
I.M.S.
12.6.59
As Principal
28.3.71
As Director

Surgical
Endocrinology

DEPARTMENT OF ANATOMY:

1. Dr. Shamer Singh, 52 years. 6.2.61	Teratology	1. Dr. MM Mathur, 51 years 10.7.61	Anatomy	1. Dr. G. Singh, 29 years 28.1.75	Teratology & Anthropology.
		2. Dr. AP Shukla, 47 years. 10.7.61	Histology		
		3. Dr. GC Sen Sharma, 47 years. 30.7.73	Neuro- Anatomy		
		4. Dr. A.K. Sanyal, 38 years. (on the strength of Min. of Health) 28.7.70	Anatomy		

1.	2.	3.	4.	5.	6.
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DEPARTMENT OF PHYSIOLOGY:

1. Dr. J. Nagchaudhuri, Nutrition 54 years, 5.12.1960.	1. Dr. SB Shukla, Circu. 37 years 12.5.67 Physiology	1. Dr. R.K. Sharma, Physiology 33 years 12.7.71
	2. Dr. S. Chattopadhyay, Endocrinology 36 years, 27.1.75	2. Dr. SR Maitra, " 35 years, 20.2.73
	3. Dr. ID Saxena, Nutrition 38 years, 18.9.72	3. Dr. AK Dey, " 32 years, 15.1.73
	4. Dr. PK Dey, Neuro- 40 years, Physiology. (on the strength of Min. of Health) 1.7.67.	4. Dr. Dr. K. Ranchandra " Rao, 33 years, 29.11.75.
		5. Dr. AK Mukhopadhyaya, " 30 years, (on the strength of Ministry of Health) 16.12.71

DEPARTMENT OF BIOPHYSICS:

1. Dr. S. Srinivasan Biophysics 41 years, 31.12.71.	1. Dr. AK Bhattacharya, Biophysics 38 years, 15.10.71
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DEPARTMENT OF BIOCHEMISTRY:

1. Dr. DP Burma, Molecular Biol. 51 years, Clin. & Physical 5.10.64. Biochemistry.	1. Dr. (Mrs.) M. Clin. & Mole- Chakravorty, cular Biochem. 39 years - 6.9.72	1. Dr. R. Shankar, Neuro-Biochem., 28 years, Animal Nutrition 5.11.71. & Clin. Biochem.
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1.	2.	3.	4.	5.	6.
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DEPTT. OF BIOCHEMISTRY (CONTD.):

2. Dr. SS Dubey, 40 years, 1.4.72. Organic aspect of Biochem., Clinical Biochem., Biochem of Muscle Construction.

DEPARTMENT OF PHARMACOLOGY:

- | | | |
|----------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| 1. Dr. PK Das, 49 years, 1.5.62. Cardio-Vascular Pharmacology. | 1. Dr. SK Bhatta-charya, 37 years, 8.3.73. Psycho-Neuro-Pharma. | 1. Dr. SB Acharya, 35 years, 14.7.73. Prostaglandians & Smooth muscles. |
| 2. Dr. AK Sanyal, 49 years, 28.9.70. Gastric Pharma. | 2. Dr. Viredra Nath, 60 years, 1.4.72. Gen. Pharma. | 2. Dr. S. Chakravorty, 35 years, 13.12.71. Pharmacotics. |
| 3. Dr. KD Gode, 49 years, 1.4.72. Pharmacy. | 3. Dr. SS Gambhir, 39 years, (on the strength of Ministry of Health) 14.8.69. Pharma. | |

DEPARTMENT OF PATHOLOGY:

- | | | |
|---------------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------------------------------------|
| 1. Dr. IM Gupta, 50 years, 12.3.63. Morbid Anatomy | 1. Dr. (Mrs.) RM Gupta, 46 years, 21.1.64. Immuno-Pathology. | 1. Dr. BI Rastogi, 39 years, 2.9.67. Morbid Anatomy. |
| 2. Dr. B. Dubey, 42 years, 5.3.63 (as Reader) 1.4.73 (as Professor) Haematology | 2. Dr. YN Gupta, 42 years, 8.9.64. Haematology. | 2. Dr. ML Mehrotra, 39 years, 1.5.68. -do- |
| | 3. Dr. (Mrs.) S. Gupta, 43 years, 12.8.64. Morbid Anatomy. | 3. Dr. (Mrs.) RK Dubey, 38 years, 1.5.68. Haematology |

1.	2.	3.	4.	5.	6.
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DEPARTMENT OF PATHOLOGY (CONTD.):

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|----|-----------------------------------------------------------------------------------|------------------------------------|----|------------------------------------------------|----------------|
| 4. | Dr. PK Shukla,
36 years,
(on the strength
of Min. of Health)
28.7.70. | Chemical
Path. of
Nutrition. | 4. | Dr. (Mrs.) S. Khanna,
44 years,
28.9.70. | Morbid Anatomy |
|----|-----------------------------------------------------------------------------------|------------------------------------|----|------------------------------------------------|----------------|

DEPARTMENT OF MICROBIOLOGY:

- | | | | | | | | | |
|----|---------------------------------------|--------------------------|----|----------------------------------------|-----------------------|----|---------------------------------------------------------------------|---------------|
| 1. | Dr. P.C. Sen,
43 years,
3.2.76. | Medical
Microbiology. | 1. | Dr. SC Sanyal,
34 years,
8.3.73. | Enteric
Infection. | 1. | Dr. B.M. Sharma,
35 years,
26.9.75 | Microbiology |
| | | | | | | 2. | Dr. JS Rao (vice
Dr. PC Sen
promoted)
34 years,
3.5.76. | -do- |
| | | | | | | 3. | Dr. Saran Jeet
Singh, 34 years,
8.5.76. | Microbiology. |

DEPARTMENT OF OPHTHALMOLOGY:

- | | | | | | | | | |
|----|---------------------------------------|---------------|----|-----------------------------------------|--------------------------|----|-------------------------------------------|--------------------|
| 1. | Dr. KS Mehra,
49 years,
6.3.65. | Ophthalmology | 1. | Dr. HV Nema,
42 years,
4.2.66. | Gen. Ophthal-
mology. | 1. | Dr. R. Singh,
35 years,
28.9.70. | Gen. Ophthalmology |
| | | | 2. | Dr. V. Thakur,
43 years,
28.9.70. | -do- | 2. | Dr. RPS Bhatia,
32 years,
18.11.70. | -do- |
| | | | 3. | Dr. JS Mathur,
41 years,
1.4.73. | -do- | | | |

1.	2.	3.	4.	5.	6.
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DEPARTMENT OF RADIOLOGY:

1. Dr. SK Gupta, 44 years, 27.7.70.	Radiology Diagnosis.	1. Dr. SP Ganguli, 48 years, 1.8.62.	Radio- Diagnosis.	1. Dr. AK Agrawal, 35 years, 1.10.73.	Radio-Diagnosis.
				2. Dr. DN Verma, 32 years, 18.7.72.	-do-

DEPARTMENT OF FORENSIC MEDICINE:

1. Dr. SN Dasgupta, 48 years, 28.7.73.	Forensic Medicine.	1. Dr. BV Subra- manyam, 30 years, 21.2.75.	Forensic Medicine.	1. Dr. C. Madhava Rao, (Temporary), 28 years, 1.4.76.	Forensic Medicine
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DEPARTMENT OF PAEDIATRICS:

1. Dr. K.N. Agarwal, 39 years, 28.7.74.	Nutrition, Neo- hatalogy, Haema- tology, Growth Development.	1. Dr. V. Bhargava, 40 years, 23.3.76	Neonal.	1. Dr. GP Katiyar, 35 years, 21.10.70.	Growth.
		2. Dr. PN Singla, 35 years, 23.3.76.	Haematolog	2. Dr. PN Tripathi, (was Dr. PN Singla previously). 9.4.76.	Paed.

DEPARTMENT OF OBST. & GYNAECOLOGY:

1. Dr. (Miss) D. Sharma, 42 years, 23.3.76.	Gynaecology & Social Obst.			1. Dr. (Mrs.) P. Tiwari, 38 years, 1.10.66.	Obst. & Gyanae.
				2. Dr. (Mrs.) M. Krishna, 39 years, 8.2.72.	-do-

1.	2.	3.	4.	5.	6.
				3. Dr. Anod Prakash, 38 years, 20.7.71.	Obst. & Gyanae
				4. Dr. (Mrs.) Shail Khanna, 36 years, 12.9.72.	-do-
				5. Dr. (Mrs.) Sulakha Pandey, 30 years, (vice DR. A. Singh, Reader, terminated) 30.7.76.	-do-
				6. Dr. I.K. Pandey, 31 years, (against the post of Reader Dr. D. Sharma) 1.4.76.	-do-

DEPARTMENT OF PREVENTIVE & SOCIAL MEDICINE:

1. Dr. S.M. Marwah, 55 years, 8.3.63.	Preventive & Social Medicine.	1. Dr. I.C. Tewari, 41 years, 9.7.66.	Preventive & Social Medicine.	1. Dr. SD Gaur, 42 years, 11.3.66.	Preventive & Social Medicine.
				2. Dr. VM Gupta, 35 years, 12.12.70.	-do-
				3. Mr. NSN Rao, 40 years, 19.1.71	
				4. Mr. KP Shukla, 36 years, 22.1.71.	

1.	2.	3.	4.	5.	6.
				5. Dr. (Mrs.) J. Tandon, Preventive & Social Medicine. 33 years, 13.3.73.	
				6. Dr. (Mrs.) P. Kaur, -do- 35 years, (vice Dr. AK Verma, Reader expired) 17.7.76.	

DEPARTMENT OF PSYCHIATRY:

1. Dr. ON Srivastava, Psychiatry 42 years, 1.5.74.	1. Dr. SN Sharma, Psychiatry 40 years, 10.10.75.	1. Dr. VK Bhatt, Psychiatry 35 years, 24.12.74.
		2. Dr. Rattan Singh, -do- 35 years, 6.12.75 (against the post of Reader Clinical Psychology).

DEPARTMENT OF DENTAL SURGERY:

1. Dr. AB Srivastava, Dental Surgery 43 years, 4.5.66.	1. Dr. BP Singh, Dental Surgery 31 years, 7.7.72.
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DEPARTMENT OF ORTHOPAEDIC SURGERY:

1. Dr. SM Tuli, Orthopaedic Surgery. 41 years, 9.2.65.	1. Dr. BP Varma, Orthopaedic Surgery. 42 years, 1.4.72	-	-
2. Dr. TP Srivastava, -do- 43 years, 1.4.73.			

1.	2.	3.	4.	5.	6.
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DEPARTMENT OF E.N.T.

1. Dr. OP Gupta, 45 years, 23.11.70.	E.N.T.	1. Dr. HC Samant, 39 years, 22.9.71.	E.N.T.	1. Dr. PL Bhatia, 36 years, 9.11.72.	E.N.T.
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DEPARTMENT OF MEDICINE:

1. Dr. SK Vaish, 53 years, 30.11.66.	Internal Med./ Cardiology.	1. Dr. PK Srivastava 42 years, 9.3.71	Nephrology	1. Dr. D.C. Roy, 41 years, 9.11.66.	T.B. & Chest Diseases.
2. Dr. PN Somani, 45 years, 9.3.70.	-do-	2. Dr. SK Mishra, 36 years, 11.2.74.	Internal Med./ & Endocrinology	2. Dr. HS Girgla, 37 years, 17.9.70.	Skin & V.D.
3. Dr. HS Bajpai 43 Year, 9.3.70	Neurology	3. Dr. (Mrs.) P. Awasthi, 40 years, 18.3.76.	Cardiology.	3. Dr. S. Mishra, 34 years, 30.7.73.	Neurology
4. Dr. B.C. Khatiyar 43 years 1.1.72	Internal Med./ Endocrinology & Diabetes.			4. Dr. VP Singh, 35 years, 30.7.73.	Haematology
5. Dr. VK Jha, 45 years, 29.9.75.	T.B. & Chest Diseases & Thonacic Surgery			5. Dr. BV Agrawal, 32 years, 21.6.71.	Cardiology
6. Dr. Gurmohan Singh, 39 years, 29.9.75.	Skin & V.D., Dermatology & Leprosy.			6. Dr. SK Bhatta- charya, 36 years, 23.3.76.	Gen. Med.

1.	2.	3.	4.	5.	6.
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DEPARTMENT OF SURGERY:

1. Dr. M.P. Vaidya, 46 years, 3.1.64.	Cardiotheracic Surgery.	1. Dr. KC Mukherjee, 59 years, 24.12.62	Neuro-Surgery	1. Dr. S.K. Roy, 43 years, 27.2.67.	Gen. Surgery
2. Dr. N.N. Khanna, 43 years, 23.11.70.	Gen. & Plastic Surgery.	2. Dr. M.N. Khanna, 44 years, 29.9.65.	Cardiotheracic	2. Dr. VK Agrawal, 34 years, 19.9.67.	Pharmacy.
		3. Dr. GD Singhal, 44 years, 29.9.65.	Paed. Surgery	3. Dr. H.N. Singh, 36 years, 8.3.73.	Gen. Surgery
		4. Dr. MK Mishra, 44 years, 1.3.67.	Gen. Surgery	4. Dr. TK Lahiri, 35 years, 9.4.74.	Cardiothoracic
		5. Dr. VN Tripathi, 39 years, 3.3.70.	Urology	5. Dr. FM Tripathi, 34 years, 21.8.70.	Gen. & Plastic Surgery.
		6. Dr. JK Sinha, 40 years, 17.9.73.	Plastic Surgery	6. Dr. (Km.) S. Chooramani, 32 years, 31.12.73.	Paed. Surgery
		7. Dr. BNS Bhatnagar, 44 years, 1.4.73.	Gen. Surgery	7. Dr. SS Ambastha, 42 years, 26.6.72.	Urology
		8. Dr. (Mrs.) S. Gupta, 39 years, 1.4.73.	Gen. Surgery	8. Dr. S. Mohanty, 36 years, 2.6.75.	Neuro-Surgery

DEPARTMENT OF ANAESTHESIOLOGY:

1. Dr. K. Pandey, 48 years, 10.6.74.	Anaesthe- siology.	1. Dr. S.K. Basu, 57 years, 23.11.70.	Anaesthe- siology.	1. Dr. PK Gupta, 41 years, 31.1.66.	Anaesthesiology
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1.	2.	3.	4.	5.	6.
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DEPARTMENT OF ANAESTHESIOLOGY: (CONTD.)

- | | | | | | |
|----|------------------------------------------|-----------------------|----|-----------------------------------------------------------------------------------|-----------------|
| 2. | Dr. P.D. Jain,
46 years,
16.12.75. | Anaesthe-
siology. | 2. | Dr. Akram Lal,
37 years,
10.9.66. | Anaesthesiology |
| | | | 3. | Dr. (Mrs.) R. Mishra,
45 years,
27.7.67. | -do- |
| | | | 4. | Dr. (Mrs.) P. Sharma,
31 years,
18.12.75. | -do- |
| | | | 5. | Dr. (Mrs.) RL Gairola,
30 years,
3.4.76.
(vice Dr. PD Jain
promoted). | -do- |

DEPARTMENT OF RADIO THERAPY & RADIATION MEDICINE:

- | | | | | | | | | |
|----|-----------------------------------------|----------|----|-----------------------------------------|----------|----|----------------------------------------------------------------|----------|
| 1. | Dr. G.C. Pant,
40 years,
30.8.72. | Oncology | 1. | Dr. B. Sanyal,
36 years,
11.2.74. | Oncology | 1. | Dr. K. Subrah-
nayan,
30 years,
28.11.75. | Oncology |
| | | | | | | 2. | Dr. Harbans Lal,
(Temp. Lecturer)
30 years,
16.12.75. | -do- |

STATEMENT OF VACANT POSTS - DEPARTMENTWISE AND CATEGORYWISE

Department	Prof.	Reader	Lecturer	Remarks
Anatomy	-	-	1*	* Since 28.6.76 vice Dr. J.D. Singh resigned.
Physiology	-	-	3*	* 1. Since 9.7.75 vice Dr. Chitra Singh, retired on 9.7.75. 2. Vice Dr. T.M. Rao resigned since 31.7.75. 3. Vice Dr. S. Prabhakar Shastri resigned since 5.7.75. Temporary Lecturer is working (Dr. K.S. Rao since 29.11.75).
Biophysics	1*	-	-	* (New post sanctioned under Fourth Plan. Suitable candidate not found. Post readvertised).
Pathology	-	-	2*	* 1. Vice Dr. L.R.M. Mehta retired w.e.f. 9.7.75. 2. Dr. G. Arvind resigned since 14.10.73.
Microbiology	-	1*	1 ^{'''}	* Vice Dr. P.C. Sen, promoted as Professor w.e.f. 3.2.76. ** ^{'''} Dr. D.P. Chakravorty, service terminated since 11.9.75. (A temporary Lecturer Dr. Sarajit Singh working against the post since 8.5.76).
Forensic-Medicino.	-	-	1*	* Vice Dr. J.P. Saxena resigned since 1970. A temporary Lecturer (Dr. C. Madhava Rao) is working since 1.4.76.
Paediatrics.	-	-	2*	* 1. Since 23.3.76 vice Dr. V. Bhargava, promoted as Reader. 2. Since 23.3.76 vice Dr. P. Singla, promoted as Reader. (A temporary Lecturer Dr. AM Tripathi is working against the post w.e.f. 9.4.76.
Obst. & Gynaecology.	-	2*	-	* 1. Vice Dr. D. Sharma, promoted as Professor wef 23.3.76. (A temp. Lecturer Dr. LK Pandey is working against the post since 1.4.76). 2. Vice Dr. Asha Singh-service terminated wef 15.2.76 (A temp. Lecturer Dr. S. Pandey is working against the post wef 30.7.76).

P.T.O.

** (A temporary Lecturer Dr. R.S. Rao is working against the post since 3.5.1976)

Department	Prof.	Reader	Lecturer	Remarks
Preventive & Social Medicine.	1*	2**	-	* New post sanctioned under Fifth Plan for Community Medicine (Post advertised). ** 1. Vice Dr. S. Pachori, resigned wef 16.8.71. 2. Vice Dr. AK Verma, expired since 2.12.74 (A temporary Lecturer Dr. (Mrs.) P. Kaur working against the post since 17.7.76).
Anaesthesiology.	-	-	2*	* 1. Vice Dr. PD Jain, promoted as Reader since 16.12.75. (A temporary Lecturer Dr. RL Gairola is working against the post wef 3.4.76). 2. Vice Dr. P.K. Datta resigned w.e.f. 27.10.73.
Medicine	-	2*	-	* 1. Vice Dr. VK Jha, Reader in T.B. & Chest Diseases promoted as Professor wef 29.9.75. 2. Vice Dr. Gurnohan Singh, Reader in Skin & V.D. promoted as Professor wef 29.9.75.
Psychiatry	-	1*	-	* New post of Reader in Clinical Psychology (A temporary Lecturer is working w.e.f. 6.12.75).
Total:	2	8	12	

Statement showing of students qualified for
M.B.B.S./M.D./M.S. & Diploma Course till date

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I. M.B.B.S. 681

II. No.of students qualified for
the M.S./M.D. Courses

<u>Departments</u>		<u>Number</u>
Anatomy	... ..	10
Orthopaedics	... ..	19
Ophthalmology	... ..	27
E.N.T.	... ..	12
Gen. Surgery	... ..	37
Obst. & Gynaecology...	... ..	36
Physiology	... ..	8
Bio-chemis try	... ..	6
Bio-physics	... ..	1
Pharmacology	... ..	12
Pathology	... ..	8
Microbiology	... ..	8
Forensic Medicine	... ..	3
P.S.M.	... ..	21
Gen. Medicine	... ..	68
Paediatfics	... ..	25
Radiology	... ..	8
Anaesthesiology	... ..	21
Psychiatry	... ..	5
Radiotherapy & Radiation Med...	... ..	2
Skin & W.D.	... ..	7
Tub. & R.D.	... ..	6

	Total:	<u>390</u>

III. No.of students qualified
for P.G. diplomas

D.L.O.	... ..	12
D.A.	... ..	6
D.C.H.	... ..	28
D.O.M.S.	... ..	12
D.M.R.D.	... ..	7
D.T.C.D.	... ..	9
D.M.R.T.	... ..	3
D.Orth.	... ..	2

	Total:	<u>79</u>

Annexure-VI

Utilisation of Postgraduates passed during the last 5 years

<u>Department</u>	<u>No.</u>	<u>Utilisation</u>
Psychiatry	5	<ul style="list-style-type: none"> 1- Lecturer in Psychiatry in Deptt. 1- Associate Prof. of Psychiatry Manipal Medical College " 1- Lecturer in Psychiatry of Jhansi Medical College " 1- Sr. Resident in the department 1- Consultant in Psychiatry- Balarampur Hospital, Lucknow
E.N.T.	9	<ul style="list-style-type: none"> 5- State Medical Service (West Bengal =1, U.P.:-4) 3- Teaching in Jhansi/Dhanbad/Gaya 1- Abroad
Radiology	8	<ul style="list-style-type: none"> 2- Lecturer in the department 4- Lecturers/Associate Professor in the Medical Colleges 1- Practicing in West Bengal 1- Sr. Resident
Anaesthesiology	16	<ul style="list-style-type: none"> 3- Lecturer in various Medical Colleges (Tirupati/Vellore/Kerala) 2- Lecturer in the department 3- Consultant in Industrial concern and hospitals 4- Abroad 3- P.M.S. U.P./West Bengal 1- Private Practice
Medicine	67	<ul style="list-style-type: none"> 9- Teachers 17- Abroad 10- P.M.S. " 3- University Health Service 3- Industrial concerns 1- Hospital Administration 10- General Practice 4- Further Studies 10- Hospital Service
Pediatrics	17	<ul style="list-style-type: none"> 3- Teaching abroad 5- General Practice " " 2- Consultants in other hospitals 1- Lecturer in the department 1- P.M.S. " 2- Lecturer in other Medical College Allahabad/Ludhiana. 1- C.G.H.S. " 1- Sr. Resident in the Department 1- Sr. Resident in other Medical College p.t.o.

Obst. & Gyn.	29	3- Lecturer in the Department
Surgery	51	8- Teaching Institution 9- Abroad 34- Consultants in other Hospital
Preventive & Social Medicine	10-	2- Lecturer in the Department 2- Abroad for Higher studies 4- Teaching as Lecturer/Asstt.P in other Medical Colleges at Calcutta/New Delhi/Assam 1- Serving abroad 1- University Health Scheme
Anatomy	10	1- Lecturer in the Department 2- Reader in the Department 5- Lec./Asstt.Prof, in the other Medical Colleges, Tirupati/K Simla/Allahabad/Siliguri 1- Abroad (Sr.Lecturer in Niger 1- Professor in Gaya Med.Colleg
Microbiology	7	1- Serving abroad 1- Reader in the Department 2- Lecturer in the Department 1- Teachers in other Medical Co Bardwan 1- Research Officer in the I.C 1- Sr.Resident in the Department
Pathology	4	2- Asstt.Prof. in the other Me Colleges, Jamnagar/Warangal 1- Chief Pathologist, Dhanbad 1- Pathologist in A.P.
Physiology	5	2- Lecturer in the Department 2- Lecturer in the other Medic Colleges, Meerut/Calcutta 1- Serving abroad
Biochemistry	6	1- Reader in other Medical Col 2- Lecturer in other Medical C 1- Sr. Resident 1- Working for Ph.D. in the Da 1- Private Practice
Biophysics	1	1- Working as Professor in And Govt. Medical Service
Forensic Medicine	3	1- Lecturer in the Department 2- State Service.

Statement showing year-wise distribution of appointments to be made of the additional teaching staff sanctioned for the College of Medical Sciences, Banaras Hindu University, on acceptance of recommendations of the Visiting Committee.

S.No.	Name of the Department.	During 1970-71	During 1971-72	During 1972-73
1.	Anatomy	-	Reader - 1	-
2.	Physiology	Reader - 1	Lecturer - 1	Lecturer - 1
3.	Bio-Chemistry	Reader - 1	Lecturer - 1	-
4.	Bio-Physics	-	-	Professor - 1 Lecturer - 1
5.	Pharmacology	Professor - 1	-	-
6.	Pathology	-	-	Lecturer - 1
7.	Forensic Medicine	-	-	Professor - 1
8.	Social and Preventive Medicine	Lecturer - 2	-	-
9.	Medicine	Professor - 1 Reader - 1 Lecturer - 1	-	-
10.	Surgery	Professor - 1	Lecturer - 4	Lecturer - 3
11.	E.N.T.	-	Professor - 1	-
12.	Anaesthesiology	Reader - 1	Lecturer - 1	Lecturer - 1
13.	Ophthalmology	Reader - 1 Lecturer - 1	-	-
14.	Paediatrics	Reader - 1	Lecturer - 1	-
15.	Obstetrics and Gynaecology	-	Lecturer - 1	Lecturer - 1

On the basis of the above, the number of posts to be created during the next three years would be as follows :

<u>1970-71</u>	<u>1971-72</u>	<u>1972-73</u>	<u>Total</u>
Professor 3	Professor 1	Professor 2	Professor 6
Reader 6	Reader 1	Reader -	Reader 7
Lecturer 4	Lecturer 9	Lecturer 8	Lecturer 21

Statement showing Department-wise distribution of additional amount sanctioned for Equipment for the Departments of the College of Medical Sciences, Banaras Hindu University, on acceptance of recommendation of the Visiting Committee.

(a) Equipment for Departments :

S.No.	Name of the Department	Amount Sanctioned
1.	Anatomy	Rs. 70,000
2.	Physiology	Rs. 1,50,000
3.	Biochemistry	Rs. 1,50,000
4.	Biophysics	Rs. 1,50,000
5.	Pharmacology	Rs. 1,50,000
6.	Pathology	Rs. 1,50,000
7.	Microbiology	Rs. 70,000
8.	Forensic Medicine	Rs. 40,000
9.	Social and Preventive Medicine	Rs. 70,000
10.	Medicine	Rs. 1,50,000
11.	Surgery	Rs. 70,000
12.	Ear, Nose, Throat	Rs. 40,000
13.	Orthopaedic	Rs. 70,000
14.	Anaesthesia	Rs. 70,000
15.	Radiology	Rs. 1,15,000
16.	Radiology Unit	Rs. 1,15,000
17.	Ophthalmology	Rs. 70,000
18.	Pædiatrics	Rs. 70,000
19.	Obstetrics and Gynæcology	Rs. 1,50,000
Total :		<u>Rs. 20,00,000/-</u>

(b) Equipments for other purposes :

1.	General for common use	Rs. 7.00 lakhs
2.	Animal house including A/C	Rs. 1.00 lakh
3.	Workshop equipment	Rs. 1.00 lakh

(c) Books & Journals Rs. 3.00 lakhs

(d) Buildings including furniture Rs. 4.00 lakhs

Statement showing the additional non-teaching staff recommended by the Visiting Committee for the College of Medical Sciences, Banaras Hindu University

S.No.	Name of the Department	Clinical Pathologist	Speech Therapist	Audio-Logist	Physio-Therapist	Refrac-tionist	Optno-ptist	Techni-cian (Rs.210-425)	Lab. Asstt. (Rs.110-180)	Bone-keeper (Rs.110-180)	Taxi-dermist	Laboratory Attendant (Rs.80-110)	
1.	Anatomy							2		1	1	} 15	
2.	Physiology							2					
3.	Bio-Chemistry							2					
4.	Bio-Physics							2					
5.	Pharmacology							2					
6.	Pathology 3 D							2	2				
7.	Microbiology							2					
8.	Forensic Medicine							1					
9.	Social & Preventive Medicine							1					
10.	Medicine							1					
11.	Surgery							1					
12.	Ear-Nose-Throat		1 L	1 L				1					
13.	Orthopaedic				1 L			1					
14.	Anaesthesiology							2					
15.	Radiology							2	2				
16.	Ophthalmology							1					
17.	Paediatrics							1	1				
18.	Obstetrics & Gynaecology							1	1				
Total:		3	1	1	1	1	1	26	6	1	1	15	

L denotes Lecturer's scale of pay
D denotes Demonstrator's scale of pay

(To be distributed amongst the different departments).

"AMOUNT SPENT ON EQUIPMENT"

S. N.	Name of the Department	Amount Spent.
1.	Anatomy	74,577-69
2.	Physiology	2,64,720-74
3.	Biochemistry	1,48,534-17
4.	Biophysics	1,79,189-89
5.	Pharmacology	1,46,654-27
6.	Pathology	1,50,426-82
7.	Microbiology	1,59,066-88
8.	Forensic Medicine	8,541-95
9.	P.S.M.	79,591-50
10.	Medicine	1,71,581-74
11.	Surgery	49,143-82
12.	E. N. T.	38,825-38
13.	Orthopaedics	54,684-29
14.	Anaesthesiology	67,538-43
15.	Radiology	1,18,851-87
16.	Radiotherapy	79,207-67
17.	Ophthalmology	68,698-40
18.	Paediatrics	47,977-01
19.	Obst. & Gynaecology	1,11,547-01
TOTAL:		20,68,359-53

PERIODICALS SUBSCRIBED BY THE LIBRARY, INSTITUTE OF
MEDICAL SCIENCES, BANARAS HINDU UNIVERSITY - 1976:

S.N.	Title of the Periodicals
1.	Acta Anaesthesiologica Scandinavica.
2.	Acta Anatomica.
3.	Acta Chirurgica Scandinavica.
4.	Acta Dermatologica Venereologica.
5.	Acta Endocrinologica Scandinavica.
6.	Acta Medica Scandinavica.
7.	Acta Obstetrica et Gynecologia.
8.	Acta Ophthalmologica.
9.	Acta Orthopædica Scandinavica.
10.	Acta Otolaryngologica.
11.	Acta Pathologica et microbiologica Scandinavica.
12.	Acta Paediatrica Scandinavica.
13.	Acta Physiologica Scandinavica.
14.	Acta Psychiatrica Scandinavica.
15.	Acta Radiologica.
16.	American Heart Journal.
17.	American Journal of Anatomy.
18.	American Journal of Cardiology.
19.	American Journal of Diseases of children.
20.	American Journal of Medicine.
21.	American Journal of Obstetrics & Gynecology.
22.	American J. Ophthalmology.
23.	American Journal of Pathology.
24.	American Journal of Physiology.
25.	American Journal of Psychiatry.
26.	American Journal of Public Health and the nation's health.
27.	American Journal of Roentgenology & Radium therapy & Nuclear Medicine.
28.	American Journal of Surgery.
29.	American Journal of tropical medicine & Hygiene.
30.	American Review of Respiratory Diseases.
31.	Anaesthesia.
32.	Anaesthesia and Analgesia current Research.
33.	Analytical Biochemistry.
34.	Anesthesiology.
35.	Anatomical Record.
36.	Annals of Internal Medicine.
37.	Annals of Library Science & Documentation.
38.	Annals of Ophthalmology.
39.	Annals of Otolaryngology Rhinology and Laryngology.
40.	Annals of Surgery.
41.	Annals of the Indian Academy of Medical Sciences.
42.	Annals of the Royal College of Surgeons of England.
43.	Annals of Tropical Medicine & Parasitology.
44.	Antiseptic.

45. Archives of Anaesthesiology Resuscitation.
46. Archives of Biochemistry & Biophysics.
47. Archives of Dermatology.
48. Archives of Diseases of Childhood.
49. Archives of General Psychiatry.
50. Archives of Internal Medicine.
51. Archives of Neurology.
52. Archives of Ophthalmology.
53. Archives of Otolaryngology.
54. Archives of Pathology.
55. Archives of Surgery.
56. Ayurveda Mahasamman Patrika.
57. Ayurveda Vikas.
58. Bacteriological Reviews.
59. Baroda Journal of Nutrition.
60. Biochemical and Biophysical Research Communication.
61. Biochemical Journal.
62. Biochemical Pharmacology.
63. Biochemistry.
64. Biophysical Journal.
65. Blood: Journal of Haematology.
66. Brain: Journal of Neurology.
67. British Dental Journal.
68. British Heart Journal.
69. British Journal of Anaesthesia.
70. British Journal of Cancer.
71. British Journal of Dermatology.
72. British Journal of Experimental Pathology.
73. British Journal of Haematology.
74. British Journal of Medical Psychology.
75. British Journal of Nutrition.
76. British Journal of Ophthalmology.
77. British Journal of Pharmacology & Chemotherapy.
78. British Journal of Plastic Surgery.
79. British Journal of Preventive and Social Medicine.
80. British Journal of Psychiatry.
81. British Journal of Radiology.
82. British Journal of Surgery.
83. British Journal of Urology.
84. British Journal of Venereal Diseases.
85. British Medical Bulletin.
86. British Medical Journal.
87. Bulletin of the Medical Library Association.
88. Cancer.
89. Chemical Abstracts: Biochemical Section.
90. Chest (formerly Diseases of Chest).
91. Circulation.
92. Clinical Obstetrics & Gynecology.
93. Clinical Orthopedics.
94. Clinical Paediatrics.
95. Clinical Pharmacology & Therapeutics.
96. Clinical Science.
97. Clinician.
98. Comparative Physiology & Ecology.
99. British Journal of Diseases of the chest.

99. Congenital Anamolies.
100. Current Problems in Surgery.
101. Current Science.
102. Dhanwantari.
103. Diabetes: Journal of the American Diabetes Association.
104. Eastern Archives of Ophthalmology.
105. Economic Botany.
106. Electroencephalography & clinical neurophysiology.
107. Environmental Health.
108. European Journal of Pharmacology.
109. Eye, Ear, Nose & Throat Monthly.
110. Federation Proceedings.
111. Fertility and Sterility.
112. Gastroenterology.
113. Genetics.
114. Gut.
115. Human Pathology: A clinical pathological.
116. Immunology.
117. Index Medicus.
118. Indian Drugs and Pharmaceutical Industries.
119. Indian Heart Journal.
120. Indian Horticulture.
121. Indian Journal of Anaesthesia.
122. Indian Journal of Biochemistry.
123. Indian Journal of Cancer.
124. Indian Journal of Chemistry.
125. Indian Journal of Chest Psychology.
126. Indian Journal of Clinical Psychology.
127. Indian Journal of Dermatology.
128. Indian Journal of Dermatology & Venereology.
129. Indian Journal of Experimental Biology.
130. Indian Journal of History of Science.
131. Indian Journal of Hospital Pharmacy.
132. Indian Journal of Medical Research.
133. Indian Journal of Medical Sciences.
134. Indian Journal of Oriental Retardation.
135. Indian Journal of Optometry.
136. Indian Journal of Ophthalmology.
137. Indian Journal of Orthopedics.
138. Indian Journal of Otolaryngology.
139. Indian Journal of Pathology & Bacteriology.
140. Indian Journal of Paediatrics.
141. Indian Journal of Pharmacy.
142. Indian Journal of Physiology & Pharmacology.
143. Indian Journal of Plastic surgery.
144. Indian Journal of Plastic surgery.
145. Indian Journal of Public Health.
146. Indian Journal of Radiology.
147. Indian Journal of Social Work.
148. Indian Journal of Surgery.
149. Indian Journal of Tuberculosis.
150. Indian Medical Gazette.
151. Indian Pediatrics.
152. Indian Science Abstracts.

153. Instruments India.
154. International Journal of Biochemistry.
155. International Journal of Leprosy.
156. International Surgery & International Surgery Bulletin.
157. Investigative Ophthalmology.
158. Journal of Aeromedical Society of India.
159. Journal of Anatomy.
160. Journal of applied Bacteriology.
161. Journal of applied Physiology.
162. Journal of Bacteriology.
163. Journal of Biochemistry (Japan).
164. Journal of Biological Chemistry.
165. Journal of Bone & Joint Surgery (american).
166. Journal of Bone & Joint Surgery (British).
167. Journal of clinical Endocrinology & Metabolism.
168. Journal of Clinical Investigation.
169. Journal of Clinical Pathology.
170. Journal of Communicable diseases.
171. Journal of Endocrinology.
172. Journal of Forensic Science.
173. Journal of General Microbiology.
174. Journal of Hygiene.
175. Journal of Immunology.
176. Journal of Investigative Dermatology.
177. Journal of Laboratory & Clinical Medicine.
178. Journal of Laryngology & Otology.
179. Journal of Medical Microbiology.
180. Journal of Molecular Biology.
181. Journal of Neurochemistry.
182. Journal of Neurological Sciences.
183. Journal of Neurology neurosurgery and Psychiatry.
184. Journal of Neurophysiology.
185. Journal of Neurosurgery.
186. Journal of Nuclear Medicine.
187. Journal of Nutrition.
188. Journal of Nutrition and dietetics (now called Indian Journal of Nutrition & Dietetics).
189. Journal of Obstetrics & Gynecology of India.
190. Journal of Obstetrics & Gynecology of British Common Wealth (Now British Journal of Obstetrics & Gynecology).
191. Journal of Pathology.
192. Journal of Pediatrics.
193. Journal of Pharmacology & Experimental therapeutics.
194. Journal of Physiology.
195. Journal of Psychosomatic research.
196. Journal of Scientific & Industrial Research.
197. Journal of the All India Institute of Medical Sciences.
198. Journal of the American Medical Association.
199. Journal of the Anatomical Society of India.
200. Journal of the association of physicians of India.
201. Journal of the Indian Academy of Forensic Sciences.
202. Journal of the Indian Botanical Society.
203. Journal of the Indian Institute of Science.

204. Journal of the Indian Medical Association.
205. Journal of the Royal College of Physicians of London.
206. Journal of the Royal College of Surgeons of Edinburgh.
207. Journal of the Surgical Research.
208. Journal of the Yoga Institute.
209. Journal of thoracic and cardiovascular surgery.
210. Journal of Trauma.
211. Journal of tropical pediatrics.
212. Journal of Urology.
213. Journal of Virology.
214. Kriya Yoga.
215. Lancet.
216. Laryngoscope.
217. Leprosy of India.
218. Leprosy Review.
219. Library Science with a slant to Documentation.
220. Life Sciences.
221. Medical Clinics of North America.
222. Medicine.
223. Medicine and Surgery.
224. Medicine Science and Law.
225. Medico-legal Journal.
226. Mediscope.
227. Muscular Dystrophy Abstract (Free).
228. Nagarjuna.
229. Nature.
230. Neurology.
231. Neurology India.
232. Neuropharmacology (Formerly International Journal of Neuro-pharmacology)
233. New England Journal of Medicine.
234. Nursing Journal of India.
235. Obstetrics & Gynecology.
236. Obstetrical and Gynecological Survey.
237. Orthopedic Clinics of North America.
238. Otolaryngic Clinics of North America.
239. Parasitology.
240. Pediatrics.
241. Pediatric Clinic of India.
242. Pediatric Clinics of North America.
243. Pharmacological Reviews.
244. Physiological Reviews.
245. Plastic & Reconstructive surgery.
246. Postgraduate Medical Journal.
247. Practitioner.
248. Proceedings of the Royal Society of Medicine.
249. Proceedings of the National Academy of Sciences.
250. Proceedings of the Royal Society of (B) London.
251. Proceedings of the society for experimental Biology.
252. Progress in Cardiovascular diseases.
253. Psychological Medicine.
254. Psychosomatic Medicine.
255. Quarterly Journal of Experimental Physiology.
256. Quarterly Journal of Medicine.
257. Radiological Clinics of North America.

- 258. Radiology.
- 259. Rheumatism.
- 260. Schitra Ayurveda.
- 261. Sadhan.
- 262. Scandinavian Journal of Haematology.
- 263. Scandinavian Journal of Plastic Surgery.
- 264. Scandinavian Journal of Thoracic & Cardiovascular Surgery.
- 265. Science.
- 266. Science and Culture.
- 267. Science Reporter.
- 268. Science Today.
- 269. Scientific American.
- 270. Social Science and Medicine: An International Journal.
- 271. Surgery.
- 272. Surgery, Gynecology & Obstetrics.
- 273. Surgical Clinics of North America.
- 274. Surgical Neurology.
- 275. Teratology.
- 276. Thorax.
- 277. Vigyan Pragati.
- 278. W.H.O. Bulletin.
- 279. W.H.O. Chronicle.
- 280. W.H.O. International digest of health legislation.
- 281. W.H.O. Monograph Series.
- 282. W.H.O. Official Records.
- 283. W.H.O. Public Health Papers.
- 284. W.H.O. Technical Report Series.
- 285. W.H.O. Weekly Epidemiological Record.
- 286. W.H.O. World Health Statistics.
- 287. W.H.O. World Health Statistical Record.

LIST OF THE DEPARTMENT OF THE INSTITUTE:

1. Department of Anatomy.
2. Department of Physiology.
3. Department of Biochemistry.
4. Department of Biophysics.
5. Department of Pharmacology.
6. Department of Pathology.
7. Department of Microbiology.
8. Department of Forensic Medicine.
9. Department of Obstetrics & Gynaecology.
10. Department of Preventive & Social Medicine.
11. Department of Surgery.
12. Department of Medicine.
13. Department of Orthopaedics.
14. Department of Anaesthesiology.
15. Department of Radiology.
16. Department of Ophthalmology.
17. Department of Paediatrics.
18. Department of Radiotherapy.
19. Department of Dental Surgery.
20. Department of Psychiatry.

INDIAN MEDICINE DEPARTMENTS:

1. Department of Dravyaguna.
2. Department of Kayachikitsa.
3. Department of Ayurveda.
4. Department of Prasuti Tantra.
5. Department of Basic Principles.
6. Department of Shalya Shalakya.
7. Department of Medicinal Chemistry.

POSTGRADUATE COURSES:

Name of the Course.	Year of Starting	Year of recognition by the Medical Council.	Total number of PG students qualified till March, 1976.
MD (Physiology)	1963	March, 1972	8
MD (Pharmacology)	1963	December, 1969	12
MD (Medicine)	1963	December, 1969	63
MS (Surgery)	1963	December, 1969	69
MS (Anatomy)	1965	December, 1969	10
MD (Obst. & Gynae.)	1965	March, 1973	34
MD (P.S.M.)	1965	December, 1969	20
M.D. (Pathology)	1965	December, 1969	8
MD (Anaesthes).	1966	December, 1969	21
MS (Ophthalmology)	1966	February, 1971	24
MD (Biochemistry)	1967	December, 1969	6
MD (Paediatrics)	1967	December, 1969	25
MS (Orthopaedics)	1967	February, 1971	18
MS (E.N.T.)	1967	December, 1969	11
MD (Microbiology)	1968	(to be recognised)	7
MD (Dermatology, Venereology & Leprosy).	1971	-do-	5
(Radio-diagnosis)	1971	-do-	7
(Forensic Med.)	1971	-do-	3
Psychiatry)	1971	-do-	4
Tuberculosis & Respiratory Diseases)	1971	-do-	6
MD (Radiotherapy & Radiation Medicine).	1973	-do-	2
MD (Biophysics)	1973	-do-	1
TOTAL:	---	---	364

STATEMENT SHOWING ALLOCATION OF 210 RESIDENTS SANCTIONED
BY THE UNIVERSITY GRANTS COMMISSION, NEW DELHI

No of the Department:	Allocation				Senior Resident	Total (Jr. & Sr. Res.)	Remarks, if any.
	I Yr.	II Yr.	III Yr.	Total			
	Jr. Res.	Jr. Res.	Jr. Res.	Jr. Res.			
1.	2.	3.	4.	5.	6.	7.	8.
Surgery (including 9 specialities).	9	9	9	27	6*	33	*includes-Urology- Thoracic Surg.- Plastic Surg.-Paediat. Surg.-Neuro-Surgery.- General Surg.
Medicine (including 9 specialities).	9	9	9	27	6*	33	*includes -Cardiology. Neurology.-Endocrino- logy.-Gastroenterology. Nephrology.-General Medicine.
Pathology & V.D.	1	2	2	5	-	5	
B. & C.D.	1	2	2	5	-	5	
Ophthalmol.	2	4	4	10	-	10	
M.T.	2	2	2	6	-	6	
Orthopaed.	3	4	4	11	-	11	
Obst. & Gynaecol.	4	4	4	12	-	12	
Psychiatry.	1	2	2	5	1	6	
Pediatrics.	4	4	4	12	1	13	
Anaesthesio	3	5	5	13	1	14	
Radiotherapy	1	1	1	3	-	3	
Biology	-	3	3	6	-	6	
Oral Surg.	1	1	1	3	1	4	
S.M.	-	-	-	-	6	6	
Pharmacology.	-	-	-	-	8	8	
Microbiol.	-	-	-	-	6	6	
Biochemist.	-	-	-	-	6	6	
Pathology	-	-	-	-	6	6	
Pharmacology	-	-	-	-	6	6	
Toxic Medicine	-	-	-	-	3	3	
Physics	-	-	-	-	2	2	
Non-clinical	-	-	-	-	49	49	
Total:	41	52	52	145	65	210	
Clinical & Non-Clinical.							

ANNEXURE- XIII

LIST OF CONFERENCES/SEMINAR HELD IN THE INSTITUTE OF
MEDICAL SCIENCES, BANARAS HINDU UNIVERSITY, VARANASI

1. All India Conference of E.N.T. and I.S.H.A. in 1970.
2. Indian Association for the Advancement of Medical Education in 1970.
3. III Annual Conference of Nuclear Medicine of India.in 1971.
4. 12th Annual Conference of the Association of Micro-biologists of India in 1971.
5. 6th Annual Convention of Indian College of Allergy and Immunology in 1971.
6. 20th Annual Conference of I.P.H.A. Workshop on Role of Hospitals and other agencies in community health in 1971.
7. National Seminar on Suicide and its Prevention in 1972.
8. UGC Seminar on Inter-disciplinary Teaching in Community Health in 1972.
9. 8th Urology Conference in 1973.
10. 3rd Oceana Congress of Endocrinology - Workshop on Thyroid Disorders in 1974.
11. 15th Annual Conference of Indian Society of Gastroenterology in 1974.
12. 23rd Annual Conference of Anatomical Society of India in 1974.
13. UGC - ICMR Seminar on Enteric Infections in 1975.
14. Head and Neck Seminar in 1975.
15. 2nd Annual Conference of UP State Government/Indian Society of Anaesthetists in 1976.
16. 9th Annual Conference of Indian Pharmacological Society - to be held in December, 1976.
17. International Symposium on "Molecular Basis of Host Virus Interation" to be held in 1976.

Annexure-XIV

FIFTH PLAN PROPOSALS

(Figures in lakhs)

A B S T R A C T

		<u>1st Phase</u>	<u>2nd Phase</u>	<u>Total</u>
Non-recurring	...	57.90	43.35	101.25
Recurring	...	41.69	21.56	63.25

Total:	...	99.59	64.91	164.50
Say:		100.00	65.00	165.00

Statement of non-recurring requirements during
5th plan period.

...

Particulars	Departments	I Phase	II Phase	Total
1. Building	a) Radiotherapy & Cancer Research	5.00	-	5.00
	b) Microbiology	4.25	-	4.25
	c) Pharmacology	2.00	-	2.00
	d) Physiology	2.00	-	2.00
	e) Mortuary complex	1.00	-	1.00
	f) Hostels	10.00	10.00	20.00
	g) Multi-purpose Hall	-	5.00	5.00
	h) Addl. floor	-	5.00	5.00
	i) Godown Garrages	0.75	-	0.75
	Total Building:	25.00	20.00	45.00
2. Equipments	a) Specialities	10.00	4.50	14.50
	b) New Deptts.	2.00	2.75	4.75
	c) Other schemes	0.75	-	0.75
	d) Acad. Deptts.	10.25	6.00	16.25
	e) Central Services	1.20	-	1.20
	f) Students Amenities	0.50	0.50	1.00
	g) Common for all	2.50	2.50	5.00
	Total:	27.20	16.25	43.45
3. Office Equipments	Common for all	0.70	0.60	1.30
4. Furnitures	-do-	1.00	1.00	2.00
5. Books	-do-	4.00	4.00	8.00
6. RAX Telephone Exchange	-do-	-	1.50	1.50
	Total:	5.70	7.10	12.80
GRAND TOTAL:		57.90	43.35	101.25
(Non-recurring)		=====	=====	=====

Statement of recurring requirements during the
5th plan period.

...

Particulars	1st Phase	2nd Phase	Total
<u>STAFF:</u>			
1. <u>New Schemes</u>			
a) New Courses ...	12.75	3.75	16.50
b) New Departments...	1.95	1.75	3.70
c) Other Schemes ...	0.30	0.25	0.55
2. Consolidation and ... development of existing Departments	15.25	9.20	24.45
3. Central Services ...	3.28	1.92	5.20
4. Administrative ... Office	2.06	0.69	2.75
5. Student Amenities ...	0.10	-	0.10
<u>LABORATORY MAINTENANCE</u>	6.00	4.00	10.00
	-----	-----	-----
Total: ...	41.69	21.56	63.25
	-----	-----	-----

Schemes approved for 5th plan to be adjusted against final allocation (1st charge on 5th plan allocation)

<u>Name of work</u>	<u>Approved cost</u>
<u>Equipment</u>	
Basic grant for the purchase .. of equipment for Institute of Medical Sciences	Rs.10,00,000
<u>Books</u>	
Basic grant for purchase of .. books for Institute of Medical Sciences during 5th plan.	Rs. 4,00,000
<u>Recurring</u>	
Staff for the Department of .. Psychiatry, Institute of Medical Sciences.	Professor ... 1 Reader ... 1 Social Worker ... 1 Occupational ... 1 Therapist
Staff for 5th plan schemes. ..	Professor ... 1 (Biophysics) Mechanics ... 3
Recurring for Indo-Dutch .. collaboration for establishment of Centre in Psychiatry.	Reader in ... 1 Biological Psychiatry Senior Technical.. 2 Assistants
Community Health Centre ..	Professor in ... 1 Community Medicine
Department of Skin & Veneral .. Diseases.	Professor ... 1
Department of Tuberculosis .. and Chest Diseases.	Professor ... 1

Sahani

Proposal for a Dental College

There are about 6000 qualified Dentists in India, which is a very small number looking to the population, thus the dentist population ratio is 1/80,000. There is an increasing awareness of the various diseases in the masses, the services and facilities are being increased to cater the needs of the population. The various State Government and the Central Government are trying to open new Medical Colleges, Nursing Colleges, Hospitals, Dispensaries and Ayurvedic Colleges. With the pace and rate these facilities for medical training and services are being extended, but for the dental colleges, clinics and facilities have not been provided by the various State Govts. and not a single Dental College has so far been started by Central Government.

Looking to the increasing number of patients attending and taking treatment in the existing dental colleges or the Dental Departments of the medical colleges, it is an established fact that there is a great demand of dental services in the country and the awareness of dental treatment in rural as well as urban population is increasing.

In India there are only 15 Dental Colleges. About 450 Dental Surgeons qualify each year. All these Dental Colleges are run either by their respective State Govts. or by the Universities, the admission to these colleges are restricted to the domicile of their respective States. There is no dental college run by Government of India.

In the State of Uttar Pradesh, at present there is only one Dental College situated at Lucknow, affiliated with Lucknow University. There are only 30 students being admitted each year for a four year degree course leading to Bachelor of Dental Surgery (BDS). Whereas in the State of Maharashtra there are three Dental Colleges - two in Bombay while one in Nagpur. Uttar Pradesh being the largest State, having the largest population has only one dental institution.

In view of the increasing awareness of dental diseases in Uttar Pradesh, specially in Varanasi and nearby areas, which I have observed from the statistics of the Dental Department of Institute of Medical Sciences, B.H.U., I am of opinion that there is a great scope and need of starting a full-fledged dental college and hospital under the Institute of Medical Sciences first for B.D.S. courses with a small number of students and later on the postgraduate courses leading to a degree of M.D.S. can be started.

p.t.o.

In view of the present facilities available in the various departments viz., Anatomy, Physiology, Pharmacology, Pathology, Surgery and Medicine of the Institute of Medical Sciences, it will not be difficult to start the B.D.S. courses in the Department of Dental Surgery. I had the opportunity of meeting the various staff members of the Department of Dental Surgery. The staff members are well qualified and sincere in their duties. The present space available for dental clinics of the department is sufficient for the departmental work, but more space will be required if a Dental College has to be started.

The equipment, instruments and materials available in the department are sufficient to start the college, however, year to year phased programme will have to be laid down, as each year the students will be admitted and they go in a higher classes. The phased programme will be in respect of increasing the number of staff members of various categories, addition of equipment, instruments and materials according to the increasing need proportionate to the increasing number of students and increasing number of patients attending the dental college.

The library facilities as at present are adequate for a well established Dental Department of a Medical Institute, however, if the proposal of starting a Dental College has to be considered then gradually, year to year phased programme of number of journals and periodicals will have to be added. A well equipped library with back issues of good journals periodicals are essential part of the library specially if at a latter stage the postgraduate courses are to be introduced at the Institute.

If proposal of starting a full-fledged dental college and hospital at the Institute is under active consideration by the authorities concerned, I shall recommend that a mature and well experienced person should be appointed to develop this college. A person having an experience in starting and developing a dental college or have had a long teaching experience in a well established dental college will be most suited for such a post. He should be designated as the Principal of the Dental College, with full powers and authority to develop the college.

As far as the expenses incurred in starting a Dental College in its first phase is concerned will be as under in addition to the present staff, furniture and equipment:

<u>Non-recurring:</u>	<u>Approx. cost.</u>	<u>Grand total</u>
1. Equipment ...	Rs. 2,00,000	
2. Furniture ...	Rs. 1,00,000	Rs. 3,00,000
Total:	<u>Rs. 3,00,000</u>	
 <u>Recurring:</u>		
1. Teaching staff ...	Rs. 1,52,664	
2. Hospital staff ...	Rs. 46,800	Rs. 2,53,388
3. Auxillary staff...	Rs. 53,924	
Total:	<u>Rs. 2,53,388</u>	<u>Rs. 5,53,388</u>

DETAILS OF STAFF

SURGICAL RESEARCH LABORATORY

SCIENTIFIC STAFF:

- Prof. KN Udupa, M.Sc., F.R.C.S., F.A.C.S., F.A.M.S., Hony. Director.
- Dr. IM Singh, A.M.S., Ph.D., - Officer Incharge.
- Dr. AG Sathyanesan, M.A., M.Sc., Ph.D., D.Sc., Sr. Research Officer.
- Dr. PK Srivastava, M.Sc., Ph.D. - Sr. Research Officer.
- Dr. JPN Chansouria, A.B.M.S., Ph.D., Jr. Research Officer.
- Dr.(Miss) S. Chatterjee, M.Sc., Ph.D., - Jr. Research Officer (on study leave to Japan).

RESEARCH INVESTIGATORS:

- Dr. G.C. Prasad, A.B.M.S., Ph.D., M.A.M.S., F.I.A.P.
- Dr. R.H. Singh, A.B.M.S., Ph.D.
- Dr. L.P. Gupta, A.B.M.S.,
- Dr. D.K. Rai, A.B.M.S., Ph.D.
- Dr. G.P. Dubey, A.B.M.S., Ph.D.
- Dr.(Mrs.) K. Chandrasekhar, M.A., M.Sc., Ph.D.
- Dr. Shamim Haider, M.Sc., Ph.D.

RESEARCH OFFICER (C.C.R.I.M.H.):

- Dr. M.D. Verma, M.D. Verma, A.M.S., D.Ay.M. (R.O.).
- Dr. D.N. Srivastava, M.Sc., Ph.D. (A.R.O.).
- Mr. R.Y.M. Settiwar, B.Sc., Dip., Y. Ed. (R.O.).

POST DOCTORAL FELLOWS:

- Dr. C.V. Rao, M.Sc., Ph.D., Zoology (CSIR).
- Dr. S.S. Hasan, M.Sc., Ph.D., Zoology (UGC).
- Dr.(Mrs.) A. Gautam, M.Sc., Ph.D., Zoology (ICMR).

SENIOR RESEARCH FELLOWS:

- Dr. R.C. Gupta, A.B.M.S.
- Dr. J.D. Gode, A.B.M.S., Ph.D.
- Mr. T.M. Jose, M.Sc., Zoology (Atomic Energy).
- Mr. V. Rai, M.Sc., Biochemistry (C.S.I.R.).
- Mr. M.B. Singh, G.A.M.S., D. Ay. M. (ICMR).

SENIOR RESEARCH FELLOWS:

- Mr. T.R. Sharma, M.Sc. (Biochemistry).
- Mr. Radha C. Das, M.Sc. (Zoology).
- Mrs. Veena Misra, M.Sc. (Zoology).
- Mr. Ranji Prasad, M.Sc. (Biochemistry).
- Mr. K.P. Joy, M.Sc. (Zoology).
- Mr. R.D. Sharma, M.Sc. (Chemistry).

JUNIOR RESEARCH FELLOWS:

31. Mr. J.S. Upadhyay, M.Sc. (Chemistry).
32. Mr. P.H. Garkar, M.Sc. (Biochemistry).
33. Dr. Ojha, M.Sc. (Vet. Science).
34. Mr. Sunil Kumar, M.Sc. (Zoology).
35. Mr. Suresh Prasad, M.Sc., (Zoology).
36. Mr. B.N. Joshi, M.Sc., (Zoology).
37. Mr. R.S. Kulkarni, M.Sc. (Zoology).
38. Mr. S.K. Rai, M.Sc. (Chemistry).
39. Mr. H.D. Misra, M.Sc. (Chemistry).
40. Mr. S.K. Bhatt, M.Sc., (Chemistry).
41. Mr. A.S. Chandel, M.Sc. (Chemistry).
42. Mr. R.K. Verma, M.Sc. (Zoology).
43. Mr. P.C. Thomas, M.Sc. (Zoology).
44. Miss Vandana Patel, M.Sc. (Biochemistry).
45. Mr. P.M. Singh, M.Sc., (Zoology).
46. Mr. A.A. Ansari, M.A. (Psychology).

TECHNICAL STAFF:

1. Mr. K.L. Soni, B.Sc. - Senior Technical Assistant.
2. Mr. G.N. Sharma, B.Sc. (CCRIMH) Technician.
3. Mr. Shyam Bihari, B.Sc. (CCRIMH). Technical Assistant.
4. Mr. Markandey Prasad Singh (CCRIMH). Technical Assistant.
5. Mr. C.N. Pandey - Animal Care-taker.
6. Mr. S.M. Singh - Sr. Laboratory Assistant.
7. Mr. S.C. Srivastava - Sr. Laboratory Assistant.
8. Mr. Arjun Singh (CCRIMH) - Sr. Laboratory Assistant.
9. Mr. M.A. Siddiqui - Publication Assistant.
10. Mr. Rajesh Kumar - Publication Assistant.
11. Mr. Ram Naresh - Store Keeper.
12. Mr. S.K. Mishra - Laboratory Attendant.
13. Mr. Manu Lal "
14. Mr. L.N. Prasad "
15. Mr. Gulab Prasad "
16. Mr. Raghunath Ram "
17. Mr. Om Prakash (CCRIMH) "
18. Mr. Ranji (CCRIMH). "
19. Mr. Bimal (CCRIMH). "
20. Mr. Majnu Sweeper
21. Mr. Babu Lal (CCRIMH) Sweeper

THE COLLABORATION OF THE VARIOUS DEPARTMENTS OF THE INSTITUTE WITH THE SURGICAL RESEARCH LABORATORY

Department of Surgery:

- (i) Studies on regeneration of ureter. Dr. BNS Bhatnagar, Reader
- (ii) Biochemical studies in cases of hypertension. Dr. SS Ambastha, Lecturer.
- (iii) Carbohydrate metabolism following burn injury. Dr. JK Sinha, Reader.
- (iv) Neurohumoral changes in Malignant tissues. Dr. K.N. Udupa.

Department of Radiotherapy:

- (i) From the Radiotherapy department we are availing their collaboration for radiating animals.
- (ii) Radiotherapy department will be collaborating in our programme on the synthesis and screening of antiradiation drugs.

Department of Orthopaedic:

- (i) Growth of osteomalacic bone in tissue culture.
- (ii) Studies on Massive boiled bone graft.

Department of Neuro-Surgery:

- (i) Electron microscopic studies of human brain after head injury.
- (ii) Brain bioamines after head injury.

S.S. Hospital:

- (i) Study of Neurohumoral response in stress disorders. Psychosomatic clinic.
S.S. Hospital.
- (ii) A study of the stress factor in cases of medical termination of pregnancy.

Department of Zoology:

Research scholars are liberally using the equipment of Dr. C.J. Dominic, Professor of Zoology, for the histochemical studies.

Department of Chemistry:

Research Scholars of Chemistry are frequently using the Laboratory facilities provided by Chemistry Department (IR, NMI, etc.) of newly prepared compounds.

Department of Psychology:

Studies on the psychological basis of human constitution.

Department of Ophthalmology:

A Biochemical study of stress factors in euyietitis.

Department of Medicine:

Electron microscopic study of Rheumatic heart disease.

Statement showing utilisation of 550 beds in the new Hospital Building and the proposed distribution of 750 beds (550 + 200 additional beds):

Speciality	Distribution of beds out of 550 beds.	Proposed distribution out of 750 beds.
<u>Department of Medicine:</u>		
(1) General Medicine 3 units of 20 beds each.	60	100
(2) Medical specialities:		
Neurology	18	
Cardiology	18	
Endocrinology	18	100 (20 x 5)
Gastroenterology	18	
Nephrology.	18	
(3) Department of Surgery:		
General Surgery: 3 units of 20 beds	60	100
(4) Surgical specialities:		
Neuro-surgery.	18	
Cardiac surgery.	18	
Urology	18	100 (20 x 5)
Plastic surgery.	18	
Paediatric Surgery.	18	
(5) Obstetrics & Gynaecology.	75	100
(6) Orthopaedics	48	50
(7) Skin & V.D.	10	20
(8) Tuberculosis & C.D.	15	25
(9) Paediatrics	30	50
(10) Psychiatry	12	25
11) Ophthalmology	40	50
12) E.N.T.	20	30
	<u>Total: 550</u>	<u>750</u>

Further details of arrangement:

	<u>Out of 550 beds</u>	<u>Out of 750 beds</u>
(1) Cardiology & Cardiac Surgery	36	40
(2) Neurology and Neuro-Surgery	36	40
(3) Urology and Nephrology	36	40
(4) Paediatrics & Paed. Surgery	48	70

Floor-wise distribution in the Institute Building

...

<u>Name of the Department</u>	<u>Total area sq.ft.</u>	<u>Purpose</u>
1. Radiotherapy & Radiation Medicine	196 sq.ft.	Physics Laboratory
2. Psychiatry ...	196 "	Office
3. E.N.T. ...	180 "	Seminar Room
4. Anaesthesiology...	1020 "	Laboratory
	120 "	Library
	420 "	Seminar Room
5. Dental Surgery ...	140 "	Laboratory
6. Ophthalmology ...	1020 "	Seminar Room
7. Medicine ...	4617 "	Laboratory, Library Seminar Room, Office etc.
8. Endocrinology ...	405 "	P.G. Laboratory
9. Neurology, Tub.& Chest	1134 "	Laboratory
10. Dermatology ...	891 "	Laboratory
11. Obst.& Gynaecology	132 sq.metre	Laboratory, Office etc.
12. Orthopaedics ...	252 sq.ft.	Bone Metabolic Lab.
13. Surgery ...	10808 "	Laboratory, Library, Seminar, Office etc.
14. Neuro-Surgery ...	280 "	
15. Plastic Surgery...	280 "	
16. Thoracic ...	280 "	
17. Paed.Surgery ...	280 "	
18. Urology ...	280 "	
19. Preventive & Social Med.	4935 "	Lab.Library, Seminar room, Office etc.
20. Anatomy ...	1911 "	Lab., Library, Seminar Room, Office & others.
21. Microbiology ...	6230 "	Diagnosis Laboratory
22. Pathology ...	2898 "	Laboratory
	269 "	Library
	408 "	Seminar/Lecture Room.
	231 "	Office
	11264 "	Others
23. Physiology ...	4528 "	Laboratory
	456 "	Seminar Room
	141.75"	Office
	5500 (Approx)	Others
24. Biochemistry ...	2295 "	Laboratory
	250 "	Library
	400 "	Seminar/Lecture Room
	5055 "	Others
25. Biophysics ...	2630 "	
26. Forensic Medicine.	2000 "	

Representations made by
staff members:

ANNEXURE XXI

To

The Convener & Members
U.G.C. Visiting Committee
For the Institute of Medical Sciences
Banaras Hindu University.

Dear Sirs,

Subject : Teachers' Salary

The comparative data for scales and N/A for the teachers in various categories in the Institute of Medical Sciences, B.H.U., Varanasi, and for the Medical Colleges run by the Central Health Services who are having exactly identical qualifications are given in Tables 1-3. It is obvious that our teachers are having starting salaries lower by Rs.550/- for Lecturers and Rs.400-500 for Readers and Professors.

The revised pay scales with NPA have introduced the following anomalous situations (i) Presently a Lecturer draws lower salary than what was offered in the pre-revised scales (Table - 4), (ii) and Surprisingly a Lecturer is offered lower salary than the Senior Resident who works in a junior capacity (Table - 5).

In view of the glaring differences the desired scales are suggested in Table - 6. The recommendations of the Medical Council of India (dated 24th March, 1976) are also enclosed for kind perusal.

We would be extremely grateful if our requests after thoughtful considerations are recommended to the University Grants Commission for an early implementation.

Thanking you,

Incl: As above.

Yours faithfully,

Dated : November 2, 1976

Representatives of the
Teachers of the Institute
of Medical Sciences (U.G.C.).

Table 1 : Differences in Pay Scales

Designation	C.H.S.	U.G.C.
Lecturer	1100-50-1500-60-1800	700-40-1000-50-1600
Asstt. Professor	1100-50-1800-60-1800 plus Rs.100/- special pay.	Post does not exist
Reader	Post does not exist	1200-50-1200-60-1900
Asstt. Professor	1100-50-1500-60-1800 plus Rs.200/- special pay.	Post does not exist
Professor	1800-100-2000 125/2-2250	1500-100-2500

Table 2 : Difference in N.P.A. for Lecturers

Duration of Service Stage	N.P.A. at C.H.S.	NPA at UGC	Difference
1-3	Rs. 300/-	Rs. 150/-	Rs. 150/-
4th stage	Rs. 350/-	- do -	Rs. 200/-
5-6 stages	- do -	- do -	- do -
7th stage	Rs. 400/-	Rs. 200/-	- do -
8-9th stage	- do -	- do -	- do -
10th stage	Rs. 450/-	- do -	Rs. 250/-
11th stage	- do -	- do -	- do -
12-13th stages	- do -	Rs. 250/-	Rs. 200/-
14-15th stages	Rs. 500/-	- do -	Rs. 250/-
17-21 stages	- do -	Rs. 300/-	Rs. 200/-

Table 3 : Difference in Starting Salaries

Designation	AIIMS	CHS	UGC	Difference
1. Lecturer	Rs.1400/-	Rs.1400/-	Rs. 850/-	Rs. 550/-
2. Asstt. Professor	Rs.1700/-	Rs.1700/-	*Post does not exist	-
3. Asstt. Professor/ Reader	Rs.1900/-	Rs.2000/-	*Rs.1450/-	Rs. 450-550
4. Professor	Rs.2500/-	Rs.2400/-	Rs.2000/- (NPA to be revised)	Rs. 400-500

* For the appointment of Asstt. Professor, three years experience as Lecturer is required, and hence the starting basic pay of an Asstt. Professor would be minimum of Rs.1250/- and NPA of Rs.350/- and special pay of Rs.100/- makes starting of Rs.1700/-. The same is true for Asstt. Professor who starts at Rs.1400/- basic pay NPA of Rs.400/- and special pay of Rs.200/- make Rs.2000/- total at start.

Table 4 : Difference in Starting Emoluments of Lecturer

	Pre-revised pay & NPA	Revised pay and un-revised NPA	Revised pay and revised NPA
Pay	Rs. 400/-	Rs. 700/-	Rs. 700/-
N.P.A.	Rs. 300/-	Rs. 300/-	Rs. 150/-
D.P.	Rs. 120/-	-	-
Interim Relief	Rs. 60/-	-	-
Total :	Rs. 880/-	Rs. 1000/-	Rs. 850/-

Table 5 : Difference in Starting Emoluments of Lecturer and Senior Resident

	Senior Resident	Lecturer
Pay	Rs. 650/-	Rs. 700/-
N.P.A.	Rs. 150/-	Rs. 150/-
Postgraduate allowance after M.D./M.S. Degree	Rs. 100/-	-
Total :	Rs. 900/-	Rs. 850/-

Table 6 : Desired Scales

Designation	Basic Pay	NPA	Total Emoluments (starting)
Lecturer	1,100-50-1500-60-1800	300-500 as per MAMC/LHMC	Rs. 1400/- (as in MAMC/LHMC)
Professors	1800-100-2000-125/2-2500	Fixed NPA Rs. 600/-	Rs. 2400/- (as in MAMC/LHMC)

Regarding the post of Reader, which does not exist in MAMC/LHMC, a separate pay-scale is required. As a Reader in U.C.M.S. is appointed through open selection unlike in MAMC/LHMC where all the appointments of Assistant Professors and Associate Professors are done through departmental promotions. The pay scale of the Readers in this college should be Rs.1500-60-1800-100-1900 the corresponding scale of NPA as that of specialists in CHS.

Appendix

Copy of letter No. MCI-12(1)/75-Med.(c)3393
from Secretary, Medical Council of India,
New Delhi-110002.

Subject: Pay structure for teachers in Medical
Colleges.

I am directed to forward herewith the following
resolution of the Executive Committee of this Council as
approved by the Medical Council of India at its meeting held
on 24th March, 1976:

- (a) The basis for the recommendations of the Medical Council of India that all posts of teachers of medical colleges should be full-time and non-practising was to ensure high standards of medical education and research.
- (b) -- The pay structure for all full-time non-practising teachers in medical colleges should be the same as that recommended for University teachers by the University Grants Commission plus 50% of the basic practising allowance.
- (c) The State - Central Government are requested to implement the above recommendations as early as possible in all categories of Medical Colleges. This is absolutely essential to attract the right type of persons for taking up medical teaching and research and continue in the same.

In this connection your attention is also invited to the following recommendations of the council in the Standard Requirements for a medical college for 100 admissions annually: -

"The teaching staff of all departments of a medical college shall be whole-time and non-practising. In Institutions where part-time/Hon'y. teachers are employed in clinical departments, they should be replaced by whole-time teachers by 1977. In meantime, such part-time/hon'y. teachers will only be recognised as teachers provided they put in not less than 4 hours clinical and teaching duties per day in one teaching institution."

Sd/- U.B. Krishnan,
Secretary.

From:

The Research Officers of the Surgical Research Laboratory
Institute of Medical Sciences
Banaras Hindu University

To

The Chairman
U.G.C. Visiting Committee for the
Institute of Medical Sciences, B.H.U. 1st November, 1976.

Respected Sir,

Presently there are two junior and two senior Research Officers (JRO and SRO) in the Surgical Research Laboratory. One more JRO's post is yet to be filled up. We were appointed by well constituted selection committees in the lecturer's and reader's grade respectively. All of us are guiding research and the SROs have worked as lecturers earlier and have produced several Ph.Ds as well. Since our university does not consider guiding research as teaching we are totally denied of all the academic privileges enjoyed by our teacher colleagues.

1. Upgrading and revision of grades.

While five percent of the lecturers and readers were upgraded as readers and professors, the research officers were not even considered for such promotion as they are non-teachers. When the salary grades were revised; the lecturers' and reader's grade enjoyed by us were also lowered. As a result the maximum salary for the SRO is equivalent to that of a lecturer and the JRO's is brought down still further. Dr. Sathyanesan, SRO worked in this same university as lecturer in Zoology for about ten years before joining this laboratory in the reader grade. The same is true of Dr. Srivastava SRO, who worked as lecturer at the Roorkee University. This revision of grades actually brought them back to the lecturer grade.

2. Deputation to conferences and symposia.

As non-teachers the research officers are not eligible for deputation to seminars and symposia. Even one gets financial assistance from some other sources he will not be granted duty leave. He has to utilise his casual or privilege leave.

3. Non-practising allowance

Dr. J.P.N. Chansauria, JRO is the only medical personnel in the Institute of Medical Sciences who is denied the non-practising allowance. His plea is pending for a long time at the U.G.C. undecided.

4. Study abroad.

Dr. Miss. Sadana Chatterjee JRO, who has gone to Japan

p.t.o.

for further study was given extraordinary leave without pay. As she is a non-teacher as per rules she is not eligible for study leave with half pay provided to the teaching staff of our university.

5. Purchase of books and clerical assistance.

As surgical Research Laboratory is neither a department nor a part of one hence technical difficulties forbid to have separate allocation for buying books or to have office staff. We do not have even a typist to type our research papers. The only office staff is a store keeper.

6. Research guidance and library book borrowing.

At one stage Dr. Sathyanusan, SRO was asked not to guide research as he is not a teacher that to after producing several Ph.Ds. However, after repeated appeals and endeavours the Academic council has reinstated the right to guide research which he was enjoying in this same university as a lecturer. A lecturer can borrow ten library books at a time, whereas a SRO can get only four. However, our Vice-Chancellor has personally increased the quota to ten for the SRO.

7. Suggestions for redressing.

(I) We request this learned committee to consider guiding research equivalent to teaching so that the designation of the JROs and SROs may be changed to lecturers and readers. Such a change might provide us the rightful promotions, grades, and other privileges of the teachers which were denied to us so far.

(II) The monetary loss involved so far in the denial of non-practising allowance, study leave with half pay, and five percent upgrading may kindly be rectified with retrospective effect.

(III) The Surgical Research Laboratory may be made into an independent department or part of a department which will automatically solve all the technical problems.

We are presenting these serious problems which are crippling our academic interests and ambitions for the past ten years with the hope this committee of intellectuals will favour us with justice.

We remain

Your faithfully,

The Chairman
U.G. Visiting Committee
Banaras Hindu University

Respected Sir,

At the very outset we express our sense of gratitude to our Director, Dr. K.N. Udapa, for getting an appointment with the Visiting Committee despite its'awful busy programmes. Privileged with this, we find it a right and appropriate opportunity to apprise the Committee with the problem of Senior Technical Assistants regarding their future prospects at a time when the Committee is going into the depth of numerous problems of the respective departments related to teaching and research under V Five Year Plan.

We are very much indebted to our Director, Dr. K.N. Udapa for his pains in redressing our grievance at his end. For the avenue of further promotions and future prospects, he has very strongly recommended our case sometime back (copy enclosed) in the light of Senior posts existing in other faculties.

This is in reference to the seniormost amongst Sr. Tech. Assistants who have rendered about 10-15 yrs of service and shall serve at least 15-20 yrs more in the same cadre. We are submitting a brief detail as under:-

We were initially appointed as Technician in the grade of Rs. 210-425. This grade has been revised from 1.4.68 as 325-675 with the changed designation of Sr. Technical Assistant. This revised grade of Sr. Tech. Assistant was made effective in the University in general i.e. all the persons designated as Technician were given the benefit of the revision irrespective of length of service. Certain categories lower to the cadre of technician were also placed in this grade during revision of 1968. Under II Pay Commission, this grade has been revised as 550-900 without any change in designation. At present, the seniormost persons are drawing Rs. 725/- as basic salary in the above grade which shall expire at Rs. 900/-. This makes it obvious that within a period 5-6 yrs. most of us will be getting the maximum of the grade.

It is worth mentioning that in order to give some incentive at various stages in ministerial cadre (Non-teaching) the University has already created new avenues of promotion, such as Special Assistants, Sri. Superintendent and Assistant Registrar i.e. upto the grade Rs. 700-1300. Similarly, in the technical cadre also some senior post such as Foreman, I/C Workshop exist in the University in the grade of Rs. 700-1300.

In view of the contribution made at the initial stages of establishing various departments, teaching and research activities, we have established our devotion and responsibility in the uplifting of the Institute. Since our appointment to the

p.t.c.

present position, we find ourselves in the same cadre i.e. without promotion. We are in the same cadre as the other officers who have been promoted to the next cadre.

In the light of the facts mentioned above, we request your goodself to open avenue of promotions in this cadre also for the Senior Technical Assistant who have rendered a long service.

We are approaching with every hope of sympathetic and kind consideration.

Yours faithfully,

STA'S
I.M.S., BHU

From:

Casualty Medical Officers
S.S. Hospital/B.H.U.

To

The Visiting U.G.C. Committee

Subject: Regarding revision of pay scales of Casualty
Medical Officers from existing Rs. 300/-

Respected Sirs,

We, the Casualty Medical Officers of S.S. Hospital/B.H.U. wants to state the following things:-

1. That during these hard days of Modernity's hardships to Dearness we are only getting Rs. 300/- per month which our predecessors were getting about ten years back.
2. That our interns, which is a Training part in M.B.B.S. course are getting Rs. 350/- per month whereas we are full-fledged M.B.B.S. Doctors.
3. That any Medical Officer in any part of the country is not getting less than Rs. 800/- per month whereas we doctors getting in such a hospital which is attached to Central Government are only getting Rs. 300/- as the total emoluments.
4. That our sweepers and ward-boys are getting more than we Doctors.
5. That under the new residency scheme even a first year Junior resident is getting about Rs. 662/50 per month who's duties are no way comparable to us.
6. That our duties and responsibilities are in no way less than a Medical Officer in any part of the world as we deal all emergencies and Medical legal cases.

With these few points we the casualty Medical Officers request your honour to kindly go into the matter and revise our scale atleast to the scale of First Year Junior Residents (i.e.) Rs. 662/50.

Hoping for your immediate and favourable action.

Thanking you,

Yours faithfully,

We, the C.M.O.'s S.S.H./BHU
1. Sd/- Dr. G.P. Singh
2. Sd/- Dr. R.K. Arya
3. Sd/- Dr. D.K. Gupta

Summary of the Financial Implications

Institute of Medical Sciences, B.H.U.
(5th plan recommendations)

...

	<u>1st Priority</u>	<u>2nd Priority</u>
	(Rupees in lakhs)	
(A) <u>Non-recurring:</u>		
(i) Buildings ...	19.00	20.00 (App-1)
(ii) Equipment ...	58.45	26.00 (App-2)
(iii) Books & Journals..	10.90	7.10 (App-3)
(iv) Miscellaneous ...	9.50	2.50 (App.4)
	-----	-----
Total (NR)	97.85	55.60
	-----	-----
(B) <u>Staff*</u> ...	45.00@	3.33 (App.5)
Administrative staff ...	1.50	0.75
	-----	-----
	144.35	59.68
	-----	-----
(C) <u>Schemes already approved</u>		
...	5.35	- (Ann-15)
	-----	-----
	149.70	59.68
	-----	-----

* Teaching and other of Departments

@ Estimated cost for a period of 2 years
inclusive of N.P.A. wherever possible.

Sahani

Appendix-I

Institute of Medical Sciences

(a) Buildings

<u>Sl.No.</u>	<u>Name of the Department</u>		<u>Ist Priority</u>	<u>2nd Priority</u>
			(Rupees in lakhs.)	
1.	Anatomy ...		2.00	-
2.	Pharmacology ...		2.00	-
3.	Microbiology ...		4.25	-
4.	Godown and garrage..		0.75	-
5.	Additional floor ...		-	5.00
6.	Hostels ...		10.00	-
7.	Staff quarters ...		-	10.00
8.	Multipurpose Hall...		-	5.00
			-----	-----
	Total:		19.00	20.00
			-----	-----

Sahani

Institute of Medical Sciences

(b) Equipment

<u>S.No.</u>	<u>Name of the Department</u>	<u>1st Priority</u>	<u>2nd Priority</u>
		(Rs. in lakhs)	
1.	Anatomy ...	1.00	0.50
2.	Physiology ...	1.00	0.50
3.	Biochemistry ...	1.00	0.50
4.	Biophysics ...	1.00	0.50
5.	Pharmacology ...	1.00	0.50
6.	Pathology ...	1.00	0.50
7.	Microbiology ...	2.00	1.00
8.	Forensic Medicine...	0.50	0.50
9.	Obstetrics & Gynaecology	1.00	0.50
10.	Preventive & Social Medicine	1.00	0.50
11.	<u>Surgery</u>		
	(i) General Surgery Sec.	1.00	0.50
	(ii) Paediatric Surgery Sec.	1.00	0.50
	(iii) Urology Section	3.00	1.00
	(iv) Neuro Surgery Section	2.00	1.00
	(v) Plastic Surgery Sec.	1.00	0.50
	(vi) Cardio-Vascular & Thoracic Surgery Sec.	5.00	2.50
12.	<u>Medicine</u>		
	(i) Section of Cardiology	5.00	2.50
	(ii) Section of Neurology	2.00	1.00
	(iii) Section of Skin & V.D.	1.00	0.75

S.No.	Name of Department	1st P r i o r i t y	2nd P r i o r i t y
<u>Medicine contd.</u>		(Rupees in lakhs)	
	(iv) Section of Endocrinology & Metabolism	2.00	1.00
	(v) Section of Gastroenterology.	1.00	0.50
	(vi) Section of Nephrology	1.00	0.50
	(vii) Section of Tuberculosis & chest diseases	1.00	0.50
	(viii) General Medicine	1.00	0.50
13.	Orthopaedics ...	1.00	0.50
14.	Anaesthesiology ...	1.00	0.50
15.	Radiology ...	1.00	0.50
16.	Ophthalmology ...	1.00	0.50
17.	Paediatrics ...	1.00	0.50
18.	Radiotherapy ...	2.50	1.50
19.	Dental Surgery ...	1.50	0.75
20.	Psychiatry ...	2.00	1.00
21.	E.N.T. ...	1.00	0.50
<u>Other Units</u>			
1.	Community medicine ...)	0.75	-
2.	Art & Photo Section)		
3.	Central Workshop)		
4.	Animal House)	5.00	-
5.	Surgical Research Lab.)		
6.	Mortuary Equipment ...	1.20	-
7.	Central Clinical ... Biochemical Laboratory.	2.00	1.00
		-----	-----
Total Equipment:		58.45	26.00
		-----	-----

Institute of Medical Sciences

(c) Books

S.No.	Name of the Department	Ist P r i o r i t y	2nd
		(Rupees in lakhs)	
1.	Anatomy ...	0.30	0.20
2.	Physiology ...	0.30	0.20
3.	Biochemistry ...	0.30	0.20
4.	Biophysics ...	0.30	0.20
5.	Pharmacology ...	0.30	0.20
6.	Pathology ...	0.30	0.20
7.	Microbiology ...	0.30	0.20
8.	Forensic Medicine ...	0.30	0.20
9.	Obstetrics & Gynaecology	0.30	0.20
10.	Preventive & Social Medicine	0.30	0.20
11.	<u>Surgery:</u>		
	(i) General Surgery Section	0.30	0.20
	(ii) Paediatric Surgery Section	0.30	0.20
	(iii) Urology Section	0.30	0.20
	(iv) Neuro Surgery Section	0.30	0.20
	(v) Plastic Surgery Section	0.30	0.20
	(vi) Cardio-Vascular & Thoracic Surgery Section	0.30	0.20
12.	<u>Medicine:</u>		
	(i) Section of Cardiology	0.30	0.20
	(ii) Section of Neurology	0.30	0.20
	(iii) Section of Skin & V.D.	0.30	0.20
	(iv) Section of Endocrinology & Metabolism	0.30	0.20
	(v) Section of Gastro- enterology	0.30	0.20
	(vi) Section of Nephrology	0.30	0.20
	(vii) Section of Tuberculosis & chest diseases	0.30	0.20
	(viii) General medicine	0.30	0.20

S.No.	Name of the Department	1st P r i o r i t y	2nd P r i o r i t y
(Rs. in lakhs)			
13.	Orthopaedics ...	0.30	0.20
14.	Anaesthesiology ...	0.30	0.20
15.	Radiology ...	0.30	0.20
16.	Ophthalmology ...	0.30	0.20
17.	Paediatrics ...	0.30	0.20
18.	Radiotherapy ...	0.30	0.20
19.	Dental Surgery ...	0.30	0.20
20.	Psychiatry ...	0.30	0.20
21.	E.N.T. ...	0.30	0.20
 <u>Other Units:</u>			
1.	Institute Library ...	1.00	0.50
Total:		10.90	7.10

Sahani

Institute of Medical Sciences

(d) Miscellaneous

S.No.	Purpose	1st P r i o r i t y	2nd
		(Rs. in lakhs)	
1.	Student Amenities ... (furniture etc.)	1.00	-
2.	Office equipment ... (common for all)	1.00	-
3.	Furniture ... (common for all)	1.00	1.00
4.	PABX ...	-	1.50
5.	Laboratory maintenance	6.00	-
6.	Training in Community Medicine (Maintenance of Wagon)	0.50	-
	Total Misc.	9.50	2.50

Outside 5th plan allocation

1.	Kashi Sewa Sangh ...	9.50 Lakhs	-
2.	Scholarship for M.B.B.S. (of Rs.100/-p.m)each	5 Nos.	
3.	Jr.Research Fellowship (of Rs.400 p.m.on UGC terms).	10 Nos.	

Sahani

Institute of Medical Sciences

Staff

S.No.	Name of the Department	1st Priority				2nd Priority			
		P	R	L	O	P	R	L	O
1.	Anatomy ...	1	1	2	3	-	-	-	-
2.	Physiology ...	1	-	-	-	-	-	-	-
3.	Biochemistry ...	1	-	1	1	-	-	-	-
4.	Biophysics ...	-	-	-	2	-	-	-	-
5.	Pharmacology ...	-	-	1	2	-	-	-	-
6.	Pathology ...	1	1	-	1	-	-	-	-
7.	Microbiology ...	-	1	2	4	1	-	-	2
8.	Forensic Medicine	-	-	1	4	-	-	-	-
9.	Obstetrics & Gynaecology ...	-	1	-	1	1	-	-	-
10.	Preventive & Social Medicine	-	1	1	15	-	-	-	-
11.	<u>Surgery:</u>								
		<u>P</u>	<u>R</u>	<u>L</u>	<u>O</u>	<u>SR</u>			
	(i) Genral Surgery Sec.	-	1	1	-	-	-	-	-
	(ii) Paediatric Surgery Section	1	-	-	3	1	-	-	-
	(iii) Urölogy Section	1	-	-	3	1	-	-	-
	(iv) Neüro Surgery Sec.	1	-	-	3	1	-	-	-
	(v) Plastic Surgery Section	1	-	-	3	1	-	-	-
	(vi) Cardio-Vascular & Thoracic Surgery Section.	1	-	-	4	1	-	-	-
12.	<u>Medicine:</u>								
	(i) Section of Cardiology	1	1	1	3	1	-	-	-
	(ii) Section of Neurology	-	1	-	2	1	-	-	-

S.No.	Name of the Department	I Priority					2nd Priority			
		P	R	L	O	SR	P	R	L	O
<u>Medicine contd.</u>										
	(iii) Section of Skin & V.D.	-	-	-	6	1	-	-	-	-
	(iv) Section of Endocrinology & Metabolism	1	-	1	3	1	-	-	-	-
	(v) Section of Gastroenterology	1	-	1	3	1	-	-	-	-
	(vi) Section of Nephrology	1	-	1	3	1	-	-	-	-
	(vii) Section of Tuberculosis	-	-	-	6	1	-	-	-	-
	(viii) General medicine	-	1	-	-	-	-	-	-	-
13.	Orthopaedics ...	-	-	1	5	-	-	-	-	-
14.	Anaesthesiology ...	-	1	-	3	-	-	1	-	-
15.	Radiology ...	-	1	1	2	-	-	-	-	-
16.	Ophthalmology ...	-	-	-	5	-	-	-	-	1
17.	Paediatrics ...	-	1	1	4	-	-	-	-	-
18.	Radiotherapy ...	-	1	-	3	1	-	-	-	-
19.	Dental Surgery ...	1	1	-	6	-	-	-	-	-
20.	Psychiatry ...	-	1	2	5	-	-	-	-	-
21.	E.N.T. ...	-	-	-	2	1	1	-	-	-
<u>Other Units</u>										
1.	Institute Library ...	-	-	-	5	-	-	-	-	4
2.	Art & Photo Section...	-	-	-	4	-	-	-	-	1
3.	Central workshop ...	-	-	-	2	-	-	-	-	-
4.	Animal house ...	-	-	-	9	-	-	-	-	-
5.	Surgical Research Lab.	-	-	-	9	-	-	-	-	-
6.	Mortuary Complex ...	-	-	-	3	-	-	-	-	-
7.	Publication Unit ...	-	-	-	2	-	-	-	-	-
* Total:		14	15	18	144	15	3	1	-	5
8.	Staff for admn.office:	Rs.1.50 lakhs					Rs.0.75 lakh			

* P = Professor
R = Reader
L = Lecturer
O = Others
SR = Sr. Residents.

"JOURNALS STOPPED FROM 1975"

1. American Journal of Nursing.
2. American Journal of Physical Anthropology.
3. American Surgeon.
4. Archives International Pharmacodynamic et de therapie.
5. Australian Journal of Chemistry.
6. Bibliotheca Oto-Rhinolaryngologica.
7. Biochemica et Biophysica Acta.
8. Brain Research.
9. Bulletin of the Experimental Biology and Medicine.
10. Bulletin of the History of Medicine.
11. Current Contents.
12. Electromyography
13. Endocrinologica Japana.
14. Excerpta Medica (from 1974).
15. Experimental Cell Research.
16. Eye, E.N.T., Digest (O R L Digest).
17. F.E.B.S. Letters.
18. Halvati Pediatrics Acta.
19. International Child Welfare Review.
20. International Dental Journal.
21. International Journal of Neurology.
22. International Journal of Protein Research.
23. Japanese Journal of Microbiology.
24. Journal of Cell Science.
25. Journal of Cellular Physiology.
26. Journal of Dental Research.
27. Journal of Gerontology.
28. Journal of Lipid Research.
29. Journal of Medical Laboratory Technology.
30. Journal of Medical Education.
31. Journal of Pediatric Ophthalmology.
32. Journal of Pharmacy & Pharmacology.
33. Journal of the American Dental Association.
34. Journal of the Theoretical Biology.
35. Journal of Surgical Oncology.
36. Laboratory Investigation.
37. Medical and Biological Engineering.
38. Modern Hospitals.
39. Oncology.
40. Oral Pathology, Oral Medicine and Oral Surgery.
41. Radiation Research.
42. Respiration Physiology.
43. Surgical Forum.
44. Survey of Ophthalmology.
45. Transactions of American Ophthalmological Society.
46. Transaction of the Royal Society of Tropical Medicine.
47. Urological Survey.
48. Urology Digest.
49. Virology.

"JOURNALS STOPPED FROM 1976"

1. Acta Hematologica.
2. American Journal of Clinical Nutrition.
3. American Journal of Clinical Pathology.
4. American Journal of Optometry and Archives of American academy of Optometry.
5. Annals of Rheumatic diseases.
6. ASHA - The monthly Journal.
7. Biomedical Engineering.
8. Biometrica.
9. British Journal of Disorders of the Communication.
10. Canadian Anaesthetists Society Journal.
11. Canadian Journal of Biochemistry.
12. Canadian Journal of Microbiology.
13. Canadian Journal of Physiology and Pharmacology.
14. Canadian Nurse.
15. Clinical Radiology.
16. Critical Reviews in Clinical Laboratory Sciences.
17. Dental Clinics of North America.
18. European Journal of Biochemistry.
19. Geriatrics.
20. Health Physics.
21. Injury.
22. International Journal of Applied Radiation and Isotopes.
23. International Journal of Health Education.
24. International Journal of Nursing Reviews.
25. Journal of Documentation.
26. Journal of Embryology and experimental Morphology.
27. Journal of Histochemistry and Cytochemistry.
28. Journal of Medicinal Chemistry.
29. Journal of Oral Surgery.
30. Journal of Pediatric Surgery.
31. Journal of Pharmaceutical Sciences.
32. Journal of Prosthetic Dentistry.
33. Journal of Speech and Hearing Research.
34. Journal of Tropical Medicine and Hygiene.
35. Medical Record News.
36. Neuroendocrinology.
37. Nursing Outlook.
38. Nursing Times.
39. Nutrition Reviews.
40. Ophthalmologica.
41. Ophthalmic Literature.
42. O R L Digest.
43. Paraplegia.
44. Pediatric Research.
45. Phytochemistry.
46. Practica Oto-Rhino-Laryngologica.
47. Review of Medical and Veterinary Mycology.
48. Review of Surgery.
49. Survey of Anaesthesiology.
50. Transactions of American Academy of Ophthalmology and Otolaryngology.
51. Transactions of Ophthalmological Society of U.K.
52. Transplantation.
53. Tropical Diseases Bulletin Abstract.

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

19

Meeting:

Dated : 18th April, 1977.

Item No. 8 : : To consider the recommendations of the Advisory Committee for the Centres of Advanced Study in Humanities & Social Sciences on the report of the Committee set up by the Commission to evaluate the working of the Centre of Advanced Study in Education at M.S. University of Baroda.

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The Advisory Committee for the Centres of Advanced Study in the Humanities and Social Sciences at its meeting held on the 9th May, 1975 considered the report of the Assessment Committee (copy enclosed Annexure-I)* which evaluate the working of the Centre of Advanced Study in Education, M.S. University of Baroda and the additional comments made by some members of the Committee (Annexure.II.III,IV and V).@ It was felt that as the conclusion drawn by the Committee did not seem to flow directly from the observations made in the body of the report and as there was some divergence of opinion among the members of the Committee, it may be useful to have a meeting of the Assessment Committee desired that the final report of the Assessment Committee may be placed before it next meeting.

The Assessment Committee met twice, first on June 20, and then on September 3, 1975 to consider the observations of the advisory Committee of the Centres of Advanced Study in the Humanities and Social Sciences on the report of the Committee. A copy of the second report of the Assessment Committee is attached (Annexure-VI)

The matter was placed before the Advisory Committee for Centres of Advanced Study in Humanities and Social Sciences at its meeting held on December 20, 1975 for consideration. The Advisory Committee made the following recommendation :-

"The Advisory Committee considered the supplementary report of the Assessment Committee. Neither of the reports of the Assessment Committee inspired confidence in the ability of the Centre of Advanced Study in Education, Baroda University to provide leadership in this important area. The Committee came to the conclusion that no useful purpose would be served by continuing the recognition of the Education Department of the Baroda University as a Centre of Advanced Study!"

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The above recommendations of the Advisory Committee for CAS in the humanities and Social Sciences were placed before the Commission at its meeting held on 22nd March, 1976. The consideration of this item was deferred.

The matter is again placed before the Commission for consideration.

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UNIVERSITY GRANTS COMMISSION

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REPORT OF THE ASSESSMENT COMMITTEE WHICH VISITED CENTRE OF
ADVANCED STUDY IN EDUCATION, BARODA, UNIVERSITY ON 15TH
AND 16TH JANUARY, 1975.

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The University Grants Commission constituted in November, 1973, a Committee consisting of Dr. S.K. Mitra, Joint Director, National Council of Educational Research and Training Dr. S. Shukla, Professor of Education, Jamia Millia and Dr. J.N. Kaul, Joint Secretary, University Grants Commission to evaluate the work done at the Centre of Advanced Study in Education, Baroda University during the past ten years and to consider its requirements during the Fifth Plan period. The terms and reference of the Committee are given in Appendix-I.

The Committee visited the Centre on 5th December, 1973. Owing to dislocation in air service and unsatisfactory train arrangements the Committee could work only for a few hours at Baroda. The members therefore felt that a second visit to the Centre would be necessary to complete the work assigned to the Committee.

The membership of the Committee was enlarged and Dr. S.B. Adval Professor of Education, Allahabad University, Dr. V. Manual, Professor of Education, Kerala University and Dr. H.S. Asthana, Professor of Psychology, Saugar University were requested to join the Committee. The Committee visited the Centre on 15th and 16th January, 1975. All the members joined the Committee. Shri A.B. Gupta, Education Officer, University Grants Commission accompanied the Committee. The report of the Committee follows:

Brief History of the Centre:

The Department of Education in the Faculty of Education and Psychology at the M.S. University of Baroda was recognised as a Centre of Advanced Study in Education by the UGC in November, 1963. The UGC provided non-recurring grants to the tune of Rs. 2.50 lakhs for building Rs. 60000/- for equipment and Rs. 1.00 lakh for books and journals. The recurring grants included expenditure on the appointment of one Professor, two Readers, three Senior Research Fellows, five Junior Research Fellows and adequate grants for inviting visiting fellows and for incurring the expenditure on the appointment of necessary technical staff, administrative staff, travel, publication and contingencies. For the Thrid Plan period the total grant was for Rs. 4,62,500/-. Although, the sanction of the UGC was given in November, 1963, the Centre did not get started until July, 1964. The Syndicate of the University in June, 1964, gave to the Centre of Advanced Study in Education, the status of a Department in the Faculty of Education and Psychology with the proviso that the senior most professor would function as is head and the Dean of the Faculty would be the ex-officio Director of the Centre. The Centre was to work in close co-operation

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with the other Departments of the Faculty and also the Research Units in Examination Reform and student Counselling which had earlier been sanctioned by the UGC. These points were noted by the first Assessment Committee of the UGC.

Dr. S.N. Mukherjee soon left the case after it was established. Thereafter, the two successive heads of the Centre Dr. M.S. Patel and Dr. A.S. Patel Development the work. It was only towards the latter half of the 1969 that Dr. M.B. Buch joined as the Head and has continued since then. This fact was noted by the Assessment Committee. Although the Committee was asked to look at the work of the CASE since its inception, in effect it means really looking at and evaluating the work done during the last five years under the leadership of Dr. M.B. Buch. The First Assessment Committee under the chairmanship of Prof. A.R. Wadia in their report had indicated that there were four distinct units in the Centre on Psychometrics, Curriculum, Language Learning and Guidance and Counselling. While this was found by the First Assessment Committee in January, 1966, considerable change in the structure and function of the Centre had taken place since the recommendations of the First Assessment Committee in January, 1966 were available to the University and particularly from 1969 when Dr. Buch took charge.

The objectives of the Centre as mentioned in the Centre's report 1970-71 are :-

- a) To undertake and carry out intensive and extensive studies and researches with a view to improving the present techniques and tools of instruction and evaluation in Schools.
- b) To undertake studies in educational innovations and change.
- c) To undertake studies in the area of teacher education with a view to suggesting measures for improving teacher preparation at the preservice and inservice levels.
- d) To disseminate findings of educational research through appropriate publications.
- e) To train research workers in methods of education.
- f) To provide services to individual research workers and institutional engaged in research and to develop co-operative research projects.

Second Assessment Committee

As mentioned above, the UGC appointed a second Committee for Assessment of the CASE in 1973 and later expanded the membership of this Committee whose composition is given above. This Committee visited the Centre at Baroda on 15th and 16th January, 1975. The programme of work of the Assessment Committee on these two days were as follows :-

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11.00 A.M. - 11.30 A.M. The members of the Assessment Committee met to Chalk out their plan of work and procedure.

11.30 A.M. - 12.30 P.M. The Committee met with the Dean of the Faculty of Education and Psychology and with the Head CASE where they discussed the organisation and administration of CASE, the kinds of courses offered, the degree of integration of CASE with the Department of Education, the amount of autonomy enjoyed by CASE, etc.

12.30 P.M. - 1.30 P.M. The Committee met all the members of the teaching staff and research staff as well as teacher fellows and research fellows and discussed the important programmes of work, their significant contributions etc.

3.00 P.M. to 5.00 P.M. The Members of the Committee went round individually and/or in pairs and discussed with individual members of the staff and/or in groups the kind of work which they were doing. They also saw the library and the lay out of building.

5.00 P.M. - 6.00 P.M. The Committee met the members of only the teaching staff in a group and discussed particularly their contribution to the teacher training programmes in the Department of Education.

16.1.1975

9.00 A.M. to 9.30 A.M. The Committee called on the Vice-Chancellor.

10.15 A.M. - 11.15 A.M. The Committee met with Dr. M.S. Patel, a Member of the Advisory Committee and the previous Director of the Centre and discussed particularly the role of Advisory Committee and its function as well as the facilities and funds for research and for teacher fellows.

11.15 A.M. - 12.00 Noon The Committee met with the Heads of the Departments of Home Science and Child Development and discussed with them the kinds of inter-departmental collaboration that existed and expectation on both sides.

12.00 - 1.00 P.M. The Committee met a group of B.Ed. and M.Ed. students and discussed with them the training programme and the kinds of improvements they would like to see in it.

2.30 P.M. - 4.00 P.M. The members of the Assessment Committee met to discuss the outline of the report of the Committee and the main points of the report and their recommendations.

Research and Training Programme of CASE.

(a) Research- The research done by CASE are in the following areas :-

1. Teaching and Teacher behaviour;

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2. Achievement motivation;
3. Educational technology including programmed learning; and
4. Innovations and educational change.

1. Teaching and teacher behaviour- In teaching and teacher behaviour, a conceptual framework has been developed. Within this conceptual framework, a number of research projects have been carried out concerning the effect of teacher behaviour on pupil modification, class-room organisation and climate, aspects of pupil growth, attitudes and anxieties of pupil and pupil achievement. Similarly, studies have been made on the modification of teacher behaviour through feed back and micro teaching. The studies are well designated and competently executed. As the Survey of Educational Research published by the CASE shows, this is an area of work where not much work has been done in India.

The Committee was pleased to note the CASE had taken initiative in organising the work in this areas and has emerged as a Centre in India for educational research workers for developing models and particularly for the experimental design and statistical analysis of research in this area.

2. Achievement motivation - In achievement motivation, studies have been conducted in the development of this motive in urban schools. Relationship of this motive with hope of success and fear of failure, adjustment, anxiety, etc. has been studied.

3. Educational Technology including programmed learning.- It was noted that 16 programmes for use in school and on various school subjects have been developed. Some comparative studies between programmed learning method and other methods of teaching and learning have been made. The relationship of some personality factors and programmed learning have been studied. Studies have been conducted on micro-teaching as a technique for developing indirect class-room behaviour in student-teachers for changing the verbal behaviour of the teacher and on the feasibility of using micro teaching technique for training teachers. A study was made to compare the relative effectiveness of micro teaching and conventional practice teaching. The effectiveness micro-teaching techniques for developing specific teaching techniques have also been studied.

The Committee noted particularly the fact that on the basis of the research done, the Centre not only found that microteaching and programmed learning techniques were better than the conventional ones, but also introduced these techniques in their own training programme. The Committee was informed of the development of a programme on evaluation and measurement which has been found to be so effective that in the next semester instead of taking classes on this subject, the programmed learning material will be available to the trainees and only a seminar once every month will be held on this subject, thereby making the time available for other work in training. The Committee was also informed that a research methodology programme was being developed for the M.Ed. level. These programmes will be made available very soon for use in other Teachers' Colleges.

4. Innovations and educational Change. In this area, a model has been developed to fit the Indian situation. Some studies have been undertaken into the conditions which promote innovations in Indian schools, factors which influence the diffusion of innovations, the profile innovative schools the factors in resistance to innovations.

Apart from these four major areas, in which CASE has been able to develop some organised work, some work is also being done on organisational climate, leadership and morale of teachers.

The Committee noted with satisfaction that the CASE has come out with a comprehensive survey of educational research in India. A monograph on the model of teacher behaviour, a book incorporating the important studies done at the Centre on teacher behaviour and class-room teaching, book on the work done in programmed learning and some other publications. A list of works published during the past five years by the Centre is attached (Appendix-II).

It was also noted with satisfaction that the University has allowed the Centre to develop a fund out of the sale of these publications which could be used by the Centre for its own research and development work. The research fellows as well as the teacher fellows and members of the staff at the Centre were drawn from all over India to give it an all-India character which is a very commendable feature of the Centre. The Committee found a congenial climate of work and facilities of consultation and of library with which the scholars were highly satisfied.

(B) Training

1. Ph.D. Level Programme - There is no Ph.D. level programme although the Centre is providing a consultative service of research methods and statistical analysis. It has not offered advance courses on important aspects of educational research and methodology. Teacher fellows were found enrolling themselves for the Ph.D. The Centre may like to consider whether such enrolment is desirable in view of the fact that they stay at the Centre for a short period of time. Related to this is the question whether residence requirement for Ph.D. should not be compulsory.

2. M.Ed. and B.Ed. Level Courses - The Centre has been functioning as an all India Centre. It has been attracting students from outside the State and even from foreign countries. About 20% of the students in B.Ed. and about 35% of the students in M.Ed. belong to the other States or foreign countries; A Statement giving year-wise enrolment in B.Ed. and M.Ed. since 1964-65 is attached (Appendix-III).

It was found that the courses are prepared exclusively by the teachers concerned. While this gives flexibility and allows continuous revision and upgrading of the course it raised the question whether such courses are at par with those offered in other universities. It may perhaps be associate some external teachers from other universities in drawing up the syllabus and courses. Something is applicable in the case of internal assessment. The students were

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also not happy with it. In order to be sure that internal assessment is not leading towards gradual decline in standards, it is perhaps desirable to have some system whereby teachers and other universities would also have a look at the scripts and the marking.

It was found that in practice teaching, two innovations have been introduced which are worthy of note. One is the introduction of micro-teaching for specific teaching skills. The other is the introduction of practical workshops to teach the trainees specific aspects of teacher behaviour. The Committee was pleased to note the use of educational technology in B.Ed. and M.Ed. teaching about which mention has been made in the previous section. The Committee, however, found that whereas these innovations have been made in the training programme of teachers, the new ideas of training, as embodied in the Kothari Commission's report, are not much in evidence.

The admission of students was found to be based on the usual method and students of average quality were being admitted and no attempt was being made to use research evidence in improving the selection, such as the use of tests of teaching aptitude, etc.

In the matter of development of new courses, not much has been achieved. A course of educational change and innovation is the only new thing which was brought to the notice of the Committee.

In the matter of modernisation of syllabi etc., the Committee noted the use of educational technology (Programmed learning and micro-teaching) in teacher training.

Physical Facilities.

The Committee noted that the CASE has a fine building and no further addition is indicated or is in demand.

Library, it was found has a stock of about 11,000 books and subscribes to 40 journals. In addition, it gets a number of journals free. It is used by 50 scholars per day on the average and is open only from 10.30 A.M. to 5.00 P.M. with only one Librarian and no other assistance. The Committee felt that the library should have longer hours and one Assistant may be provided to the library so that longer hours could be possible.

The Committee noted lack of equipments like video-tape, teaching lab., Xerox facilities, calculators, etc. The Committee was informed, however, that the CASE was trying to get some video-tape equipment. The Committee would like to recommend that these equipments should be available for further development of the Centre.

Organisation and Administration

The Wadia Committee had noted the lack of integration of the C. with the Department of Education. This Committee was pleased to note that the integration has been achieved since 1971 (vide the Resolution adopted by the University Syndicate given in Appendix IV). The Committee

was also pleased to note that the University has full confidence in the Dean of the Faculty and the Head of CASE so that there is no difficulty on the part of CASE in carrying through its programme of work. It has full support from the University financially as well as administratively and it enjoys considerable autonomy so that the usual restriction which are usually imposed on other Departments have been waived in the case of this Centre.

The present composition of the advisory Committee is given in Appendix-V. It was noted that the Advisory Committee does not meet more than once in a year. It is desirable that the Advisory Committee should meet more frequently in order to give effective guidance to the Centre and its development. It should be considered whether other cognate disciplines from the University should not be brought into the Advisory Committee to make it more broad based. Similarly, the question should also be examined whether other faculty members and some research fellows should not also be members of the Advisory Committee. One of the things which the Committee noted was a lack of development of comparative education, history of education, sociology of education and such other areas in the CASE. Inter-disciplinary research in education could perhaps be developed better if there are some faculty members from disciplines other than education and also if faculty members from other disciplines become members of Advisory Committee. In this context, the Committee noted with satisfaction, the recent Resolution of the University (Appendix-VI) whereby the University has now allowed any student with a Master's degree in any subject to register for Ph.D. in education. Inter-disciplinary research the Committee realises, is not very easy and it noted that efforts are being made by CASE to develop joint work with the Departments of Child Development, Home Science, Mathematics, etc. One would like to see a closer association and collaboration with the Department of Statistics, Sociology and Psychology.

The Committee noted that the CASE has turned out, in these few years, a number of Ph.Ds. in Education. A statement giving year-wise number of students registered for Ph.D. and number of students who completed the Ph.D. have left or are still continuing their college work is attached (Appendix-VII)

Five Year Plan

The Five-Year Plan (1974-79) which has been submitted by the Centre is a logical out-growth of the research results already obtained in the four major areas in which CASE has specialised. It is good to note that now that the CASE has acquired a confidence and has built up the morale of its staff and developed necessary facilities it is opening out in the direction of other areas of research like higher education, sociology of education, organisational climate and teacher morale, etc. The Committee generally approved the programme of work for the five years (1974-79).

The Head of the Centre has very modest demand of Rs. 15,000/- (per annum) additional amount of money for strengthening the library and Rs. 15,000/- (per annum) more for visits of fellows. The only demand for additional staff is for two junior research fellows (per p.t.o.

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annum) to strengthen the research work. The Committee recommends all this.

It was noted that the State Government of Gujarat appreciated, as much as this Committee did, the good work that has been done during the last five years only in this Centre. Five years is not a too long a period for any University Department to have a sizeable impact. It is, therefore, commendable to note that the CASE has already made an impact on the Indian scene and the State Government, in due recognition of that, has expressed its willingness to take the full responsibility of bearing the expenditure of the Centre.

Recommendations.

1. The Committee appreciates the research that has been developed by CASE in the areas in which it has specialised and recommends that it should continue as an advanced centre in these areas of work.
2. The Committee recommends that two more Junior Research Fellowships (per annum) may be given to the Centre to strengthen its Ph.D. programme.
3. Better housing facilities should be provided to its teacher fellows.
4. External experts should be associated in evaluation as well as in the framing of courses in order to maintain standards at par with other universities.
5. The Committee recommends that the CASE may gradually develop new courses and inter-disciplinary work in its training programme.
6. The Committee recommends a grant of Rs. 15,000/- (per annum) for the library and Rs. 15,000/- (per annum) for visits of fellows.
7. The Committee recommends that for equipment, a block grant of Rs. 50,000/- may be made available to the Centre.

At the end, the Committee will like to record its deep appreciation for the hospitality and facilities provided by the University to the members to carry on their work of assessment during their visit to the University and the CASE on 15th and 16th January 1975.

UNIVERSITY GRANTS COMMISSION

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General terms of reference for the Assessment Committees for evaluation of the work of the Centres of Advanced Study in Indian Universities.

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1. The Assessment Committee will visit the Centre concerned and hold discussions with the university authorities, the staff of the department and other research workers as may be considered essential, with regard to the various academic training and research programmes undertaken by the Centre consequent upon the Department being recognised as a Centre of Advanced Study by the UGC.
2. The Committee would look into the organisational and administrative aspects of the Centres particularly regarding identification of the Centre of Advanced Study as an integral part of the Department concerned. It would also examine the aspects relating to measure of autonomy enjoyed by the Centres in implementing various programmes undertaken by them, within the existing university framework.
3. The Committee would examine the stage of development of the area of specialisation selected initially for special support and its impact on the total development of other disciplines within the Department.
4. The Committee would also examine the question relating to the advisory committees appointed for each Centres of Advanced Study with regard to their composition, role and effectiveness in furthering the activities of the Centre, such as (a) functioning of the Centre of Advanced Study as an all India Centre with regard to recruitment of staff, students intake, and interaction with other departments in the subject concerned and possible influence, in raising of standard of teaching and research in the subject concerned; (b) new courses developed either at the post- B.Sc. or Post- M.Sc. level, pre-Ph.D. programmes etc. in addition to the usual undergraduate and post-graduate programmes and (c) steps taken by the Centres to function as focal points of growth, development and modernisation of the academic system.
5. The Committee would also look into the future programmes of work in the next five years and the financial requirements of the Centres in this regard. The continuing assistance from the UGC to the Centres of Advanced Study, after 1973-74 would be subject to evaluation made by the Committee and its recommendations to be considered by the Commission. The assistance would be continued only where the Centres have earned the recognition and have made sustained and continued effort for attaining the highest standards possible in the academic training and research activities.
6. Any other aspect with regard to the functioning of the Centres as may be considered essential by the Assessment Committee.

CASE Publications (1970-1974)

In the course of last 5 years, the CASE has published the following publications:

1. Communication in the Classroom (ed) Buch, M.B. and Santhanam, M.R.
2. Psychology of Teaching- National Lectures - S.K. Mitra
3. Review of Research in Theory of Teaching- S.P. Bhattacharya
4. Research in Teaching - Report of the Third National Seminar
5. Studies in Teaching and Teacher Behaviour (Ed.) Buch, M.B.
6. Microteching in Teacher Education Passi, B.K. and Shah, G.B.
7. Technology Knocks at the Door of Education by Shah, G.B.
8. Handbook of Programmed Learning by Shah, G.B.
9. Studies in Programmed Learning by Shah, G.B.
10. Some Aspects of Muslim Education in India by Quaraisi, M.A.
11. A survey of Research in Education (Ed,) Buch, M.B.

Yearwise distribution of students for B.Ed./M.Ed. courseB.Ed.

(31)

Year	Universities outside Gujarat	Universities of Gujarat excluding MSU	M.S.U.	Foreign Universities	Total
64 - 65	19	38	58	6	121
65 - 66	8	52	57	7	124
66 - 67	17	61	86	12	176
67 - 68	12	61	67	5	145
68 - 69	20	79	48	10	157
69 - 70	23	88	78	6	195
70 - 71	15	64	79	3	161
71 - 72	12	70	83	3	168
72 - 73	21	58	110	4	193
73 - 74	23	62	115	3	203

M.Ed.

Year	Universities outside Gujarat	Universities in Gujarat excluding M.S. University	M.S.U.	Foreign Universities	Total
1964-65	3	7	11	-	21
1965-66	3	8	15	-	26
1966-67	5	9	12	2	28
1967-68	2	12	12	-	26
1968-69	6	8	27	1	42
1969-70	14	19	23	7	63
1970-71	3	8	24	4	39
1971-72	2	4	24	8	38
1972-73	1	6	21	8	36
1973-74	3	5	12	13	43
1974-75	3	5	26	21	55

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The Maharaj Sayajirao University of Baroda

SR(GCU)-66-iii-48

Baroda, 5th April, 1966

Subject : Naming the Centres of Advanced Study

Reference : Letter No. F.4-1(65)/CAS dated 28th February, 1966
from Shri K.L. Joshi, Secretary, University Grants
Commission.

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Under Syndicate Resolution No. 48 dated the 28th March, 1966
it is resolved that as recommended by the University Grants Commission,
following be approved:

1. The present Department of Education be upgraded
as the Centre of Advanced Study in Education'
and the establishment of the Department and the Centre be
merged together.
2. The Head, Department of Education be the Head of the Cent
3. In modification of Syndicate Resolution No. 77 dated
27th June, 1964, the designation of Co-ordinator' and
the 'Director' of the Professor of Educational
Psychology and of the Dean, Faculty of Education and
Psychology respectively be dropped.

G.C. Unit is requested to take further action in the matt

Sd/- xx
B.K. Zutshi
Registrar.

Members of Advisory Committee of the Centre of Advanced
Study in Education, Faculty of Education & Psychology,
Baroda University during 1974-75.

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1. Professor P.J. Madan, Chairman
Vice-Chancellor,
M.S. University of Baroda,
Baroda.
2. Prof. M.S. Patel,
Ex-Dean
Faculty of Education & Psychology,
8, Alkapuri,
Baroda.
3. Dr. N.V. Thirtha,
Professor and Head of the Department of Education,
Bangalore University,
Bangalore.
4. Prof. D.M. Desai,
Dean,
Faculty of Education & Psychology,
M.S. University of Baroda,
Baroda.
5. Dr. M.B. Buch,
Professor and Head,
Centre of Advanced Study in Education,
University of Baroda,
Baroda.
6. Representative of the
University Grants Commission,
New Delhi.
7. Prof. P.K. Roy,
National Council of Educational Research & Training
Sri Aurobindo Marg,
New Delhi-16.
8. Prof. Udai Pareek,
Indian Institute of Management,
Vastrapur, Navrangpura,
Ahmedabad-380015.
9. Prof. V.S. Vyas,
Indian Institute of Management,
Vastrapur, Navrangpura,
Ahmedabad-380015.
10. Director of Education
Gujarat State,
New Mental Hospital, Annexe,
Ahmedabad.

34

The University ordinance for Ph. D. used to be as under :

No candidate shall be permitted to appear for the Ph.D. degree in a subject different from the one in which he has obtained his Master's degree. Provided, however, that the recognised teacher may recommend to the Council of Post-graduate studies and Research admission of a student to the Ph.D. degree in a related subject.

As a result of the representation by the Head, CASE and the Dean, Faculty of Education and Psychology, the university has amended the above resolution and the amended resolution is :-

No candidate shall be permitted to appear for the Ph.D. degree in a subject different from the one in which he has obtained his Master's Degree. Provided, however, that recognised teacher may recommended to the Council of Post-graduate studies and Research admission of a student to the Ph.D. degree in a related subject.

The scholar holding Master's degree in any discipline shall be considered eligible for registration for Ph.D. degree in Education under the Faculty of Education and Psychology of this University, provided they are otherwise eligible for registration for Ph.D. degree in Education.

Comments of Professor S. Shukla on the report of the assessment committee which evaluated the working of the Centre of Advanced Study in Education, M.S. University of Baroda.

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I am generally in agreement with the report. However, as pointed out in the report itself of the Centre started functioning effectively only from 1969. The present assessment therefore, pertains to a 5-years period as contrasted with the 10 years life of most advanced centres. I feel, therefore, that the Commission may consider sending a fresh assessment committee by about 1978-79 to confirm that the present development has been sustained and strengthened sufficiently.

My further comments on the report are as follows :

1. Page 5:

We met the Head of the Department of Mathematics also who is undertaking some work in modern mathematics education. From my report with the Fifth Plan Visiting Committee which visited Baroda on January 27-28, 1975 this was considered to be a very weak department.

2. Page 6, para 2, line 3:

I should add the survey as far as a good bench mark for future. However, it is to be noted that this is essential documentation work which the NCERT or some similar agency should have done. Also this survey is based on summaries prepared by fellows of the Centre; in some cases with no specialised competence in the areas concerned. Future editions of the survey would require to rectify this.

3. Page 8(1) Ph.D. Level Programme:

There is no course work as part of this. The Centre also enrolls for Ph.D. without any residence requirements. The desirability of this may be examined by the Centre and by the U.G.C. Further the whole schemes of teacher fellows may be reviewed by the U.G.C. The intention of the scheme was that teacher fellows would improve their general understanding of the discipline and improve the quality of work in the colleges and universities from which they come on return.

(2) M.Ed. Course

The number of students from other parts of India is not very high. Steps may be taken to increase this number.

4. Page 11:

We should add a paragraph to say that there is need for rationalisation of the areas of academic specialisation between the different departments in the faculty. The Department of Education specialists in areas already mentioned while other aspects of education namely History of Education and Comparative Education are dealt with by the Department of Educational Administration. This leads to a lack of

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emphasis on these areas in the work of the Centre. Besides there has also occasionally been inadequate specialisation for Ph.D. supervision.

5. Pages 11-12:

It is to be noticed that there is serious danger of low quality contributions from other discipline where inter-disciplinary research is organised. Such appears to be the fear in the case of mathematics education here. The centre should take particular care to interest departments of the universities which have a high academic standing in inter-disciplinary research in Education. It is to be noticed also in the case of Home Science candidates who could not have registered in that faculty for Ph.D. were enabled to do so in the Centre because there are no residence requirements here. Special care requires to be taken that the quality of research grows rather than declines through indisciplinary co-operation or through the recent modification of Ph.D. regulations permitting holders of Master's degrees other than Education to enrol for Ph.D. with the Centre.

6. Page 13:

At the end of the first recommendation we might add "namely teaching in its various aspects."

Recommendation 3: The very low provision for contingency namely Rs.100/- per annum needs to be looked into. The question of Teacher Fellows registering for Ph.D. may be re-examined.

Recommendation 4: We must continue to maintain the essentiality internal character of assessment while ensuring that the level and contents of courses remain at a high level.

Recommendation 8: A fresh assessment committee should be sent in 1978-79 or 1979-80. Meanwhile the Centre may be encouraged to further strengthen its all India character.

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Annexure III to Item No. 8

38

Comments of Dr.H.S. Asthana Professor and Head,
Department of Psychology, University of Saugar, Saugar.

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I have looked into the draft report circulated by you. I feel that it is very well drafted and covers all the points we made. However, I would like to make a suggestion.

We noted that while the case was seeking collaboration with Departments of Child Development, Home Science and Mathematics, the more cognature disciplines which have shown for greater impact on education in recent times remain unassociated. This point has been raised in the draft at the end of p.11 and at the beginning of p.12. It should, in my opinion, be a major recommendation (to be put between points 5 and 6 on page 13 of the draft) that - cognature disciplines: Statistics, Sociology and Psychology be represented not only on the Advisory Committee but that in research and teaching these departments should be more actively associated with the case.

It was surprising to see that the Faculty of Education and Psychology in which case is located does not associate the Department of Psychology which has three senior staff (one professor and two readers) besides other staff. Nor did we meet any from sociology and statistics. It hardly needs emphasising that modern developments in the Sociology of education, experimental designs and analysis in Statistics besides the developments in Psychology have greatly influenced the development of educational theory., research and instruction.

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39

Views of Dr.V. Manuel with comments made by Dr.S.Shukla on the report of the Committee which assessed the work of the CAS in Education at Baroda University.

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(a) Reactions to the further comments of Prof. S. Shukla

1. On the weakness of the Mathematics Department

This remark just cites an observation from Dr. Shukla's committee on the Department of Mathematics. The implication for the present report is worked out only in point 5. Hence my comments are also given there.

2. On the Survey of Education:

I agree that NCERT or some similar agency (I presume that this includes UGC also) should have done this work long ago. But this work has been left undone all these years. CASE has done it and has not even asked for any special support for the purpose to be considered by the Committee. Under the circumstance, I consider that the remark that some other agency should have done it is unnecessary. It is another matter however if the CASE effort has prevented any other relevant agency from working at this task. But such a case has not been put before us. I would quite, welcome the proposal that NCERT or U.G.C. itself should take up such work (not 'should have done' such work). But such proposals can be discussed at that stage by the appropriate agency and need not be anticipated by our committee. The relevant question for us is whether it is appropriate that the centre of Advanced Study should step in to fill a documentary gap neglected by all other agencies, and enable research (both within and outside to the country) to 'advance' from where the previous workers have left it..... My answer is 'Yes'.

The need to use fellows without specialised competence for preparing abstracts also appears to me to be a general sin of the academic community in India. The procedure appears to be that the CASE requests each university to send abstracts of Ph.D. Theses, followed by reminder letters and telegrams. When all these have failed a fellow is asked to go to the spot and do the needful. The tasks of the fellow include: dealing with University Professors who have not responded, libraries and Administrators. Sometimes theses have to be dug out. The specialised skills involved in this situation are at least as much administrative as academic. Besides I do not think it is practicable to send specialists to every University for every area falling under this last stage mopping up observations unless huge amounts are set up for the purpose. I must also note in this connection that with reference to one subject I did discuss with Dr. Buch some cases of abstracts which seemed to contain no worthwhile contributions and specifically asked him whether the abstracts are fair to the thesis. He said that in most

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of the cases the abstracts were sent by the authors themselves or by the Department of the concerned University. Under the circumstance I would hesitate to indicate the fellows for want of specialised competence.

I do agree that further editions of the survey should require to rectify the weakness revealed from the first venture and build up on the strength. (I presume that this is already being done).

3. Ph.D. Programme

I have no objection to a full-scale review of the teacher fellowship scheme and the question of residence requirements for Ph.D. The latter should be done on an all-India level. Personally I think that full residence requirements for Ph.D. in Education is an advantage only in certain types of studies. Where the emphasis is on field work in the local context, partial residence requirements may be even better than full residence.

4. Weaknesses in certain specialisations

It is true that some areas are relatively weak and that there has occasionally been inadequate specialisation for Ph.D. supervision. But I should thank that it is inevitable in our present state of development in Education where even a centre for Advanced Study of Education cannot afford to fortify every sub-area. Comparison of staff strength in an American School of Education would make the position clear. But I must also add that in education some compensatory advantage is gained (and this is particularly relevant in Indian conditions) by the generalist approach also.

5. Possibility of low-quality contributions from other disciplines (to be read with I)

Here Dr. Shukla is drawing a retrospective reference from his Report based on a visit on January 27-28, 1975 in which the Department of Mathematics was found to be very weak. Reverting back to our own committee meeting, if I remember right, three members from the Mathematics Department were present. Most of the questions on inter-disciplinary collaboration in Mathematics education were put by me, and the dialogue was mainly with one member at the other end, who impressed me as one who can contribute to mathematics education. My experience has been that inter-disciplinary dialogue does not commence with full Departments as such but with individual members who can cut across another pattern of thinking, and use it to enrich their discipline. I know of every strong, pure scientists and mathematicians who can be absolutely disinterested in or useless for educational dialogues. I have also come across relatively 'weak' mathematicians whose step by step thinking and concrete illustrations can be very useful in developing universal numeracy. In this case I do not know what is the exact nature of weakness in the Mathematics Department found by Dr. Shukla. It is of an administrative nature or of the nature of number of papers not presented in conferences of abstract mathematics, they may be neutral to our purpose or even be an advantage. A Ramamujam who jumps seven steps at a time may not be the best person for an educational dialogue. I am not insisting

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that educationists can collaborate only with mediocre mathematicians and scientists. (Persons like Einstein and Raman could make excellent members in such teams). But unless the weakness referred to is in the nature of absolute want of logic in every member of the Department, I think the mathematics Department would have resources to make a contribution to mathematics education in school.

As regards Home Science, the attraction to do Ph.D. in education through relaxation of residential requirements can result in lowering of standards as Dr. Shukla suggests. But this relaxation can also result in more relevant and varied topics being studied. Much more than that, it can bring back to 'home science' persons who are actually running a home. Strict residential requirements for Ph.D. in home science tend to encourage women to postpone full participant home management or to neglect the home. It would be worth-while if the U.G.C. makes or helps to support a posteriori study of effect of relaxation of residential requirements on standards of Ph.D. Theses and a survey of the actual position prevailing in various universities.

6. I agree fully with first three points and the second half of the last point. I have no objection to the view that a fresh assessment committee should be sent in 1978-79, or 1979-80, if such a provision is administratively required. But among institutions which have not functioned uniformly well during the 10 years period, there is a difference for the committee between one which is showing a curve of increasing return and one which is showing a curve of decline.

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Copy of letter from Dr. N. Vedamai Manuel,
Prof. & Head of the Deptt. of Education,
addressed to Dr. J.N. Kaul, Joint Secretary,
U.G.C., New Delhi.

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I am herewith enclosing my reactions to the further remarks of Prof. S.C. Shukla. I agree only with the notes of incorporation included under this point 6. The point made out by Dr. Asthana is already there in the Report (p.11 bottom and p.12 top). If at all it is modified, I would prefer that it is in the direction of toning down rather than increasing the directivity in a reference to inter-disciplinarily. I believe in inter-disciplinarity, but I also think that it can only be encouraged, but not imposed, or subjected to a priori criticism. Recommendation No. 5 (p.13), I think, is ideally worded for this purpose. Many of the points raised by Prof. Shukla may indicate areas which University Grants Commission may study carefully as issues in themselves on an all-India Plane rather than get them centred round one institution which our committee has happened to visit - particularly because this institution has probably done its best with a specific deficiency which has been widely pervasive.

I do not have many criticism of my own. There are some typographical errors which I presume, will be checked again. Two minor suggestions are given below :

(1) In page 5, para 2, after Child Development 'and of Mathematics' may be added. We did meet the mathematics representatives.

(2) Recommendation 4 regarding external experts in evaluation is better worded in a more flexible and non-directive manner as in p.9 (para 1). Our recommendation should have the effect of retaining the benefits which have accrued from the internal assessment and add the benefits in terms of comparison of standards.

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Proceedings of the Committee appointed to evaluate the working of the Centre of Advanced Study in Education at M.S. University of Baroda.

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The Assessment committee appointed to evaluate the working of the Centre of Advanced Study in Education at M.S. University of Baroda met twice, first on June 20, and then on September 3, 1975 to consider the observations of Advisory Committee of the Centre of Advanced Study in the Humanities and Social Sciences on the report submitted by the Evaluation Committee. Professor S.B. Adval and Prof. H.S. Asthana could not attend the first meeting and Professor V. Manuel could not attend the second meeting. Dr. S.K. Mitra and Professor S.C. Shukla attended both the meetings.

The Committee noted the comments of the CAS committee as reported by Prof. S.B. Adaval and Dr. J.N. Kaul and the relevant observations made in minutes of the Advisory Committee on Centres of Advanced Study which are reproduced below :-

"The Committee considered the report of the assessment committee which evaluate the working of the CASE in Education at Baroda University and the additional comments made by some members of the Committee. It was felt that as the conclusions drawn by the Committee did not seem to flow directly from the observations made in the body of the report and as there was some divergence of opinion among the members of the Committee, it may be useful to have a meeting of the assessment committee to reconsider the whole matter. The final report of the assessment committee may be placed before the next meeting of the Advisory Committee."

The Committee considered its own report, the comments of the members of different issues raised in the report and the observations made by the CAS Committee, observations and suggestions of the committee are given below.

1. The members of the Committee were informed by the UGC that questions have been raised by the Standing Committee of the UGC on Advanced Centres regarding the report submitted by the Assessment Committee. The members were also informed that the Assessment Committee is not expected to make any recommendations regarding the continuation or otherwise of any advanced centre which, according to the members is one of the privileges of the Assessment Committee following from one of the terms of reference of the Committee which says that the Committee has to make recommendations regarding the next 5 years and particularly about the financial matters. The members felt that the assessment report contained all the views of the Assessment Committee and the UGC could consider those views independently of the recommendations made by the Committee.

44

2. It was noted that the first assessment Committee under the Chairmanship of Prof. A.R.Wadia had made some recommendations and given some guidelines about the working of the CAS in Education at Baroda University. The members felt that it was a definite advantage that the Centre did not implement these recommendations; otherwise it would have lost the concentration of work which it has developed now.

3. Advanced Centre in any subject concentrates its efforts in a specific area of the subject. Likewise, C.A.S.E. has specialised in research on teaching and its contribution as an advanced centre should be judged in that context. This is where it has made an all India impact

4. The performance of the Centre during the first five years was not very good primarily because of the changes that took place in the leadership of the Centre.

5. It was recognised that the impact of the Centre on the teaching programme in the Faculty of Education had not been much because it had to work under very difficult conditions created by the internal organisational set up in the Faculty of Education. The Committee however was pleased to note that this difficulty had, by and large, been straightened out. It is hoped the innovative programmes and research carried on in the Centre will get reflected in the teaching programme of the Centre.

6. Inter-departmental cooperation even within the Faculty has not been possible because of conditions mentioned above and is still more unlikely in the future in view of the recent changes in the position of senior staff in the Faculty of Education. It was noted that two or three senior persons in the Faculty including, the Director of the Centre are due to retire in a couple of years.

7. The Centre needs to develop inter-disciplinary studies and research in cognate disciplines like statistics, sociology and psychology and the Advisory Committee should have representatives from those disciplines. It should be emphasised that inter-departmental collaboration should be preferably with strong departments to avoid the danger of weak departments weakening the centre itself.

8. The question of the Centres' contribution towards an original theoretical frame work for research in its chosen area of specialisation namely Teaching, was discussed. It was recognised that it is too early to judge this issue. Even if the Centre adopted existing models developed these further that should be regarded as a positive contribution.

9. The Centre should retain the benefits accruing from internal assessment of its candidates but while doing so the benefits of standards prevailing in other universities should not be lost sight of

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10. There was considerable discussion on the concept of a dvanced centre and what should be expected of such centres. It was recognised that in spite of difficulties what has been achieved by the C.A.S. in the field of rese~~ar~~ch in education is worthy of appreciation.

11. It has been pointed out in the report that the Centre started functioning effectively only from 1969 although it was set up and recognised as a Centre in 1963. The present assessment therefore, pertains to only five years from 1969. It is, therefore, recommended that another assessment may be made by about 1978-79 to confirm that the present development has been sustained and strengthened sufficiently.
