

UNIVERSITY GRANTS COMMISSION

AGENDA AND PROCEEDINGS

PART-I

NO-179

29TH APRIL 1976

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

MINUTES OF THE 179TH MEETING OF THE UNIVERSITY
GRANTS COMMISSION HELD ON APRIL 29, 1976.

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The following were present:

Professor Satish Chandra	- Chairman
Shri K.N. Channa	- Member
Professor R.P. Bambah	- Member
Professor S.S. Saluja	- Member
Professor (Miss) A.J. Dastur	- Member
Professor J.B. Chitambar	- Member
Professor Maqbool Ahmed	- Member
Professor B.M. Udgaonkar	- Member
Dr. Chandran D.S. Devanesen	- Member
Shri R.K. Chhabra	- Secretary

Dr. Ajit Mozoomdar and Professor S. Gopal expressed their inability to attend the meeting.

SECRETARIAT

Additional Secretary

Dr. D. Shankar Narayan

Joint Secretary

Dr. J.N. Kaul

Deputy Secretaries

Shri S. Viswanath
Shri I.K. Sangma
Dr. S.C. Goel
Shri S.P. Gupta
Dr. M.L. Moha
Shri Y.D. Sharma
Shri A.B. Gupta
Shri M.P. Balakrishnan

Director (SRC)

Dr. Jagdish Shankar

Finance Officer

Shri R.P. Bhattacharjee

The Chairman welcomed Professor Maqbool Ahmed who was attending the meeting of the Commission for the first time.

Item No. 1 : To receive the minutes of the meeting of the Commission held on 22nd March, 1976.

The minutes of the 178th meeting of the University Grants Commission held on March 22, 1976 were confirmed.

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

(a) The Commission approved the action taken on items listed in Appendix I*. Arising out of this, the following decisions were taken :

(i) Item 2(a)(3) - The Commission, keeping in view of the special needs of the Berhampur University, desired that it may be assisted as recommended by the Visiting Committee for the construction of the workshop building, Herbarium (Botany Department), Animal House (Zoology Department) at an estimated cost of Rs.1,10,000.

(ii) Item 2(a)(14) - The Commission was of the view that the Universities be advised that the teachers of the affiliated colleges located at the headquarters of the university and possessing the requisite qualifications as suggested by UGC be encouraged to participate in the postgraduate teaching in the university departments.

(iii) Item 2(a)(23) - The University may be advised to appoint the staff already agreed to as soon as possible.

(iv) Item 2(a)(25) - The English Summer Institute for 1977 to be organised by the C.I.E.F.L., Shillong for universities in the region may be organised in collaboration with the North Eastern Hill University.

(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 22nd March, 1976.

The Commission approved the grants released after the last meeting of the Commission held on 22nd March, 1976 (Appendix II*).

Item No. 4 : To receive the statement of expenditure incurred by the University Grants Commission during 1975-76 upto 31st March, 1976.

This was noted.

Item No. 5 : To receive the minutes of N.C.C. Committee appointed by the Commission to consider the recommendations made by the Evaluation Committee set up by the Government of India on the working of N.C.C.

The Commission accepted the views of the Committee on the recommendations made by the Evaluation Committee set up by the Government of India on the working of the N.C.C. as given in Appendix III, and desired that the same be communicated to the Ministry of Education.

In this connection it was pointed out that a Committee was being appointed separately to prescribe the guidelines for courses in Defence/Military Studies.

Item No. 6 : To consider the report of the Visiting Committee appointed by the Commission to assess the Fifth Plan proposals of the Jadavpur University.

The Commission considered the Report of the Fifth Plan Visiting Committee on Jadavpur University and generally accepted the recommendations made by the Committee subject to the following:

i) The University may set up an Academic and Planning Board which may develop inter-action between various faculties and formulate new courses on an inter-departmental basis as suggested by the Visiting Committee. The Board may also coordinate and continuously evaluate the progress of the Fifth Plan development schemes and projects.

ii) The question of developing studies in linguistics in the university may be examined with the help of an Expert in linguistics and the recommendation of the Visiting Committee for providing teaching staff in linguistics to the departments of English and Sanskrit may be considered in the light of the views of the Expert.

iii) The specialization for the post of professor in the department of English may be English language teaching.

iv) The post of Reader recommended under 2nd priority for Geology Department may be provided to the Department of Chemistry with specialisation in Photo-Chemistry.

- v) The recommendations of the Visiting Committee about providing additional teaching staff to the departments of Mathematics and Physics may be considered after the views of the University on the various suggestions made by the Visiting Committee with regard to the development of new areas in these departments are available.
- vi) Teaching staff as recommended by the Visiting Committee under first priority in respect of other departments may be provided to the university. The question of providing teaching staff recommended under second priority may be considered after joint courses as suggested by the Visiting Committee have been formulated by the university and examined.
- vii) Posts of two technical assistants may be provided to the department of Geology.
- viii) A grant of Rs.2.5 lakhs as UGC share may be provided to the university on 50:50 sharing basis for campus development and improvement of water supply facilities.
- ix) A grant of Rs.2 lakhs as UGC share may be provided on 50:50 basis for improvement of facilities in the existing hostels.
- x) A grant of Rs.5 lakhs for equipment and posts of one instrumentation engineer and one technical assistant may be provided for establishment of central instrumentation laboratory.

The question of providing staff for central instrumentation laboratory in the universities may be examined with the help of an Expert Committee.

- xi) The financial implications of the scheme accepted by the Commission are indicated in the Appendix IV.

Item No. 7 : To consider the report of the Visiting Committee appointed by the Commission to assess the V Plan proposals of the Calcutta University.

The Commission considered the report of the Fifth Plan Visiting Committee on Calcutta and fully agreed with the views expressed by the Visiting Committee on the suggestion made by the Ghani Committee with regard to declaring Calcutta University as an Institution of National Importance by the Central Government.

The Commission noted the recommendation of the Visiting Committee regarding the de-centralisation to be implemented simultaneously for administrative and academic purposes and agreed that it would be desirable that this de-centralisation be brought up by setting up different campuses of the Calcutta

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University. If this is acceptable to the Calcutta University, the Commission agreed to provide an allocation upto Rs. one crore, as its share, for this purpose and desired that the University be requested to submit its proposals for the consideration of the Commission.

The Commission further noted that the Calcutta University had been informed that an amount upto Rs. 2 crores, as its share, would be available to the University during the Fifth Plan for the colleges within the metropolitan limits of Calcutta for providing inter-institutional facilities at different places and also for establishment of academic centres for improvement of standards of undergraduate education in colleges. It was noted that the University had already been requested to set up a Group for formulating this proposal. The Commission desired that the Calcutta University be requested to take immediate steps in this regard keeping in view the suggestion made above for setting up multi-campus of Calcutta University.

The Commission generally accepted the other recommendations made by the Visiting Committee subject to the following:

- (1) The Commission could not agree with the suggestion for separating Honours courses from M.A./M.Sc. courses in the departments of Psychology, Anthropology and Physiology and for transfer of Honours courses to the colleges.
- (2) The Commission was not in favour of starting postgraduate classes in the colleges affiliated to Calcutta University. The question of strengthening teaching and research programmes in the Presidency College, Calcutta and developing it as an autonomous college may be considered separately.
- (3) The University and the State Government may take immediate steps to either merge the Institute of Basic Medical Sciences with the Postgraduate Institute of Medical Education & Research or provide adequate hospital facilities to the Institute of Basic Medical Sciences. The question of providing assistance to the existing departments in the Institute of Basic Medical Sciences as recommended by the Visiting Committee may be considered only after a decision is taken on this.
- (4) A specific amount be provided every year in the Revenue Budget of the university for the maintenance of the university buildings.
- (5) A certain percentage of seats in the university hostels be earmarked for research scholars enrolled with the university specially for those who come from outside the State.

- (6) The procedure for appointment of teaching staff in the university needs to be looked into by the university and the State Government. The observations made by the Visiting Committee may be kept in view while considering amendment of the University Act.
- (7) The University should take immediate steps to fill all the vacant posts in each department and Commission's assistance for the teaching staff approved for a department be made available only after the existing posts available in that department have been filled.
- (8) The suggestion made by the Visiting Committee for establishing regional offices of the University Grants Commission is a wider issue and will have to be examined in detail separately.
- (9) Fifty Junior Research Fellowships being allocated to the University for the Fifth Plan period may be utilised for development of research facilities in the existing campus as well as in the new campuses to be opened by the university during the Fifth Plan period.
- (10) The teaching and other staff recommended by the Visiting Committee for various departments under first priority may be provided to the University.
- (11) A grant of Rs. 7 lakhs for equipment and posts of four technical assistants including an Instrumentation Engineer may be provided to the University for establishment of a central instrumentation laboratory.
- (12) Grants recommended under first and second priorities for extension of academic buildings may be provided to the University.
- (13) Grant of Rs. 3 lakhs for improvement of facilities in the existing hostels and Rs. one lakh for furnishing the guest house be provided as UGC share to the University on 50:50 sharing basis.
- (14) The financial implications of the schemes accepted by the Commission are given in the Appendix V.

Item No. 8 : To consider the Report of the Visiting Committee appointed by the University Grants Commission for assessing the development needs of the Indian Institute of Science, Bangalore, during the Fifth Five Year Plan.

The Commission generally accepted the recommendations of the Visiting Committee appointed by it for assessing the development needs of Indian Institute of Science, Bangalore, during the Fifth Five Year Plan period, and agreed to provide the grants as indicated in Appendix VI.

The Commission further desired that the Indian Institute of Science, Bangalore, be requested that the details of the essential posts to be created within the total provision of Rs.12 lakhs and also for continuing education within the provision of Rs. 6 lakhs may be sent to the Commission for concurrence.

Item No. 9 : To consider the recommendations made by the Committee set up by the Commission to suggest Guidelines for formulating courses in History of Science and Technology in the Universities and Colleges.

The Commission generally accepted the recommendations made by the Committee and decided :

- (i) A dozen or so universities may be identified for support in teaching and research of history of science and technology. The universities so selected should have attained some level of development in this area.
- (ii) Ten Junior research fellowships may be instituted for supporting research in this area. The fellowships may be administered centrally by the UGC. These fellowships will be normally available to those departments which have already made some provision for teaching and research in this area. It is important that the selected fellows work with guides who have demonstrated their interest and capacity in this field.
- (iii) A non-recurring grant of Rs.25,000/- may be made available to some selected university departments which have already undertaken studies and research in the history of teaching science and technology. This grant will be available to the central library of the university; books and journals to be brought with the help of this grant will be selected by a committee of the concerned department.

Item No. 10: To consider the report of the Committee appointed by the Commission to consider the proposal of School of Planning & Architecture, New Delhi, for declaring it as an Institution deemed to be University under Section 3 of the University Grants Commission Act.

The Commission considered the recommendation of the Committee appointed to consider the proposal of School of Planning & Architecture, New Delhi, for declaring the

School as an Institution deemed to be university under Section 3 of the UGC Act, and accepted in principle to recommend to the Central Government that the School of Planning & Architecture may be declared as an Institution deemed to be University under Section 3 of the UGC Act. The Commission further desired that before this recommendation is sent to the Government of India, views of the Delhi University, to which the School is presently affiliated, may be obtained.

The Commission is further of the view that before a notification is issued in this regard, matters relating to governance of the institution and other related matters may be examined by a Committee to ensure its functioning as a University.

Item No. 11 : To consider the report of the Committee appointed by the University Grants Commission to assess the programme of Continuing Education at Saurashtra University, Rajkot.

The Commission considered the report of the Committee appointed by it to examine the proposal of Saurashtra University, for assistance towards its programmes of continuing education and agreed to provide assistance as detailed below on a sharing basis of 75:25 for the purpose during the Fifth Plan period :

- i) Director of the Centre (Honorary) - Rs.250/- p.m.
- ii) Co-ordinator (Rs.1100-1600) - Revised.
- iii) Programme Officer (Rs.700-1300) - Revised.
- iv) Accountant-cum-clerk (265-465)
- v) Typist (Rs.265-465)
- vi) Messenger (Rs.110-170)

Expenditure on programmes (including honorarium to resource persons, TA and DA, remuneration to part-time assistants, etc. Books and Journals, Publication, miscellaneous expenditure e.g. Publicity, stationery, postage, electricity etc.) ... Rs. 50,000 p.a.

Non-Recurring Expenditure
(Equipment, Furniture etc.) - Rs.20,000

Item No. 12: To consider the recommendations of the Committee appointed by the Commission to examine the Computer requirements of Annamalai University.

The Commission accepted the report of the Committee appointed by it to examine the Computer requirements of Annamalai University, and agreed to provide the following grants for the development of computer facilities:

1. Non-recurring

- a) TDC system including taxes about Rs.27.6 lakhs.
- b) Auxilliary equipment and building modifications etc. - Rs. 2.0 lakhs

2. Recurring (to be provided on net deficit basis)

- a) Technical Staff and maintenance etc. as per general norms to be prescribed.

Item No. 13: To consider the recommendations of the Committee appointed by the Commission to examine the Computer requirements of M.S.University of Baroda, Baroda.

The Commission accepted the recommendations of the Expert Committee and agreed to provide the M.S.University of Baroda the following grants for development of computer facilities:

1. Non-Recurring

- i) Computer phase I = Rs.30 to 32 lakhs
phase II = Rs. 5 lakhs
- ii) Building including air-conditioning and installation of computers = Rs. 3 lakhs

2. Recurring

- i) Rs.50,000/- per annum from 1976-77 for purchase of computer time until the computer centre is established.
- ii) Other recurring assistance to be provided on net deficit basis according to the norms to be determined by the UGC Committee on computer development.

Item No. 14: To further consider the question of increase in the value of the following awards under the scheme of "preparation of University level books by Indian Authors."

The Commission considered a note on the question of raising the value of the fellowship awards under the scheme of the preparation of university level books by Indian authors and decided that the value of the fellowship may be raised from Rs.500 p.m. to Rs.600 p.m. w.e.f. 1.9.1975 for those fellows already working under the scheme and who have a Ph.D. degree. In the case of other fellows working under the scheme as on 1.9.1975, the value of the fellowship may be raised to Rs.600/- p.m. when they complete two years of satisfactory work under the scheme.

The Commission could not agree to the suggestion that retired teachers/scientists who may take up book writing programme without the assistance of a fellow be paid Rs.750/-p.m. as in the case of Retired Teachers Scheme. It was noted that such teachers/scientists would receive Rs.600/-p.m. w.e.f. 1st September, 1975.

Item No. 15: To consider further the question of institution of Readership in Single Faculty Colleges.

The Commission agreed that general criteria for creation of Readerships in Single Faculty Colleges be as follows:

- 1) The college should have satisfied all conditions of affiliation and should have secured permanent affiliation with the university.
- 2) The college should have demonstrated its willingness to initiate change and innovation in teaching and internal assessment.
- 3) The college should have an enrolment of at least 100 in degree classes and above; a faculty of at least ten teachers and student-teacher ratio of 1:10, good staff to be judged by the proportion of teachers with first class postgraduate or research degrees and with research publications, facilities for postgraduate education and research and a library of at least 20,000 books and 10 to 20 research and professional journals. These criteria would apply to Teachers training, Home Science and Physical Education & Fine Arts, Social Work etc. Colleges.

- 4) In the case of Commerce Colleges, the college should have an enrolment of atleast 500 in degree classes and above, a student-teacher ratio of 1:20, good staff to be judged by the proportion of teachers with first class postgraduate or research degrees and with research publication, provision for tutorial system on an institutional basis, good examination results (60% and above), a library of atleast twenty to thirty thousand books and 15 to 20 academic and professional journals and facilities for postgraduate teaching and research.
- 5) The number of Readerships that may be made available in such colleges would be determined on the merits of each case, the assistance for such posts will be on 100% basis.

Item No. 16: To consider a proposal from Government of Madhya Pradesh to create Readership in the universities for their assignment to the Government Colleges.

The Commission generally agreed with the proposal of the Madhya Pradesh Government to create Readerships in the universities and assigning them to the Government colleges. The Commission felt that the number of Readerships to be so created would be in accordance with the guidelines accepted by the Commission.

Item No. 17: To consider the question of granting leave on academic grounds to junior and senior research fellows during tenure of fellowship.

The Commission decided that Junior and Senior Research Fellows working on the various programmes of research fellowships supported by U.G.C. may be granted leave up to one academic year during the entire tenure of the Fellowship for purposes of accepting teaching assignments on a temporary basis provided the post accepted by them is in the same department or in an institution located in the city and would therefore enable the fellow to continue with his research work also. This period would be counted towards the normal tenure of the Fellowship.

Item No. 18: To consider a proposal regarding enhancement of annual allocation made under the scheme of 'unassigned grants' to universities.

The Commission agreed that while determining the total unassigned grants to different universities for 1976-77, the following criteria may be followed:

(i) The amount may be determined on the basis of Rs.30/- per faculty member; Rs.15/- per university research scholar, and Rs.5/- per postgraduate student of the university subject to a minimum of Rs.15,000 and maximum of Rs. one lakh. The numbers of the faculty members, research and postgraduate students are to be taken as on 15th of August of the previous year.

(ii) For the UGC Unit, Rs.12,000/- to a University having less than 50 affiliated colleges and Rs.18,000 to a University having 50 or more affiliated colleges.

Item No. 19: To consider the question of expanding the scope of the Book Bank Scheme to cover the Postgraduate and Professional colleges.

The Commission agreed that the scheme of Book Banks may be extended to all colleges including professional colleges listed under Section 2(f) of the UGC Act. The Commission could not agree for separate book banks for the postgraduate students.

The Commission desired that for purposes of determining enrolment under the Book Bank as well as Rs.5 lakh scheme, the enrolment both at the undergraduate and postgraduate level excluding PUC and Intermediate may be taken into account.

The Commission further agreed that such of the colleges which have fully utilised the assistance already made available under the Book Bank scheme, may be assisted further during 1976-77 and the assistance to be given would be upto. 50% of the grant earlier approved.

Item No. 20: To consider the suggestion to increase the amount of honorarium paid to awardees under the scheme 'USRT' by the institution, where the teacher works.

The Commission decided that under the scheme of utilisation of the services of retired teachers, an institution where the teacher works may be permitted to pay to the teacher concerned from its own funds, if it so desires, an additional honorarium upto a maximum of Rs.6,000/- per annum, subject to the prior approval of the U.G.C., instead of Rs.4,000/- per annum as provided under the rules at present.

Item No. 21: To consider proposals from Jawaharlal Nehru University for additional funds during the 5th Plan period.

The Commission considered the proposals of the Jawaharlal Nehru University for additional funds during the 5th Plan period and decided as follows:

- (a) The University be assisted for augmentation of water resources for horticulture at an estimated cost of Rs.22 lakhs.
- (b) Provision of Vice-Chancellor's residence be agreed to at an estimated cost of Rs.1,25,000/-.
- (c) The proposals relating to purchase of equipment for the School of Theoretical & Environmental Sciences, School of Life Sciences, Central Workshop and Instrumentation, laboratory facilities may be examined by an expert committee in the first instance.
- (d) Requirements of the Computer and System Sciences may be referred to the Standing Committee on Computer Sciences.

The Commission could not, at this stage, accept the proposal of the Jawaharlal Nehru University for provision of additional funds for construction of women's hostel and the second phase of the School building.

Item No. 22: To consider the proposal of Dibrugarh University for the introduction of Postgraduate course in Petroleum Technology.

The Commission noted the non-recurring assistance that may be available from the Ministry of Petroleum to the Dibrugarh University for the introduction of Postgraduate courses in Petroleum Technology. The Commission desired that a committee may be appointed to work out the financial implications for introduction of this course and agreed to provide assistance for recurring expenditure as may be recommended by the committee and accepted by the Commission provided that the State Government would agree to take over this as committed expenditure after the Commission's assistance ceases at the end of 1980-81.

Item No. 23: To consider the proposal of the Rajasthan University for the construction of building for the Institute of Correspondence Courses.

The Commission accepted the proposal of the Rajasthan University for financial assistance towards the construction of a building for the Institute of Correspondence Courses at an estimated cost of Rs.6 lakhs on a sharing basis of 50:50. This is subject to the condition that the University of Rajasthan accepts the guidelines formulated by the UGC for introduction of correspondence courses.

Item No. 24: To consider the amendment proposed by the University of Delhi to its Ordinance relating to Visiting Professors or Lecturers.

The Commission agreed that the guidelines earlier prescribed by it for appointment of Visiting Professors may be revised as given below. These guidelines would apply to the Visiting Professors invited from within the country as well as from other countries except that in the case of persons from other countries a provision may be made for payment of economy-class air-fare by direct route.

1. A Visiting Professor should be an eminent scholar in his subject.
2. The maximum tenure of a Visiting Professor be one year and minimum three months.
3. The Visiting Professor be paid honorarium up to Rs.3,000/- per month.
4. A suitable provision be made to enable the Visiting Professor to travel within the country for approved academic programme and also for reimbursement of medical expenses, if any.

Visiting Appointments

1. The duration of visit should not be less than two weeks and should not exceed four months in a year.
2. The travel expenses would be met by the host institution.
3. In case of a person receiving his salary from the "parent institution", for the period of the visit, the host institution would provide hospitality and pay an honorarium not exceeding Rs.1000 per month.

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4. In the case of a person not receiving his salary from his "parent institution" for a period of his visit, the "host institution" would pay an honorarium not exceeding Rs.2,500/- per month.

In the case of Visiting Fellows appointed in the Centres of Advanced Study, the Commission agreed that such appointments should not be generally less than 3 months and exceed one academic year at the most. The honorarium be fixed within a range of Rs.1500 to Rs.2500 per month depending on the academic standing of the person appointed as a 'Visiting Fellow'.

The Commission desired that the Delhi University be requested to review its Ordinance for appointment of 'Visiting Professors' in the light of the above.

Item No. 25: To consider the proposal of the Gujarat University for setting up a Department of Commerce.

The Commission accepted the proposal of the Gujarat University for setting up a Department of Commerce for providing postgraduate instruction in Commerce and agreed to provide for staff of one Professor, two Readers and three Lecturers within the grant already allocated during the Fifth Plan period.

The teaching of the postgraduate classes in Commerce would be organised by the Department of Commerce and the related departments in the School of Social Sciences and Management Studies.

Item No. 26: To consider the question of reviewing the policy of awarding Scholarships at the Honours and Master degree level in Arabic, Persian, Sanskrit and Pali.

Consideration of this item was postponed to the next meeting.

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Item No. 27: To receive a note on implementation of the revised scales of pay and the conditions attached to these i.e. minimum qualifications, examination, remuneration and code of conduct in different States.

The Commission considered the note on the implementation of the revised scales of pay and the conditions attached to these, and decided as follows:

- (1) The minimum qualifications prescribed for recruitment to the posts of Lecturer in the Faculties of Arts, Social Sciences including Commerce and Science in the Universities be as per Appendix VII.
- (2) The qualifications suggested for the posts of Lecturers at (1) above would also apply to all the Central Universities. It was also decided to ask the Delhi University to consider if they would like to have the same qualifications as suggested above for the teachers to be appointed in its colleges.
- (3) A committee may look into the question of prescribing minimum qualifications for lecturers in the Faculties other than Arts, Science, Social Sciences including Commerce and also for teachers in foreign languages and such other subjects for which adequate facilities for Ph.D. are not available in the country.
- (4) The teachers who are re-employed by the universities after attaining the age of superannuation i.e., 60 years, should not hold appointments as Head of Departments or Dean of Faculties or any other such administrative responsibility.
- (5) The Government of India be requested to impress upon the State Governments to introduce retirement benefits (where not already done) as recommended by the "Sen Committee" and also provision for security of service for the employees of the universities and colleges.
- (6) The Universities be requested to send a copy of the advertisement issued for recruitment to the teaching and academic posts and the qualifications of the persons finally appointed. In this connection, it was noted that the universities have been advised to send their advertisements for recruitment to the Employment News (Rozgar Samachar) being published by the Directorate of Audio Visual Publicity, Government of India.
- (7) The Government of India be advised that condition (vi) for introduction of the revised scales of pay may be amended as follows:

"The existing lecturers in colleges who did not possess at the time of their initial recruitment minimum qualifications as prescribed by the university concerned at the time of appointment should be required to attain these qualifications within five years from the date of placement in the revised scale. If they are unable to do so during this period, they should not be allowed to earn any future increment till they have satisfied this condition."

(8) The Commission could not accept the suggestion of the Government of Meghalaya that marginally lower level of academic performance should be allowed for a person belonging to Schedule Tribe for being eligible for appointment as a lecturer under revised scale of pay.

The Commission desired that the points raised regarding Code of Conduct in the note placed before it may be brought up again at its next meeting.

Item No. 28: To consider the Budget Estimates of the University Grants Commission for 1976-77 (Plan).

It was agreed that this may be brought up before the Commission at the next meeting and in the meantime the proposed estimates may be treated as the interim working budget.

Item No. 29: To consider certain establishment matters of the University Grants Commission.

- (i) Report made by the Committee appointed to examine the question of recruitment of persons belonging to Scheduled Castes and Scheduled Tribes in the office of the UGC.
- (ii) Recommendations of the Departmental Promotion Committee for Class-I posts made at its meeting held on 6th April, 1976.
- (iii) Reappointment of Dr. D. Shankar Narayan as Additional Secretary, University Grants Commission on tenure basis for another term of 5 years.

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(i) The Commission accepted the recommendations contained in the report made by the Committee appointed to examine the question of recruitment of persons belonging to Scheduled Castes and Scheduled Tribes in the office of the University Grants Commission and desired that further necessary action may be taken as early as possible.

(ii) The Commission while noting that there was no eligible candidate belonging to the reserved category of Scheduled Castes and Scheduled Tribes in the cadre of Education Officer, Assistant Education Officer and Section Officer (Grade I) for promotion to the cadres of Deputy Secretary, Education Officer and Assistant Secretary respectively accepted the recommendations of the Departmental Promotion Committee for Class-I posts made at its meeting held on 6th April, 1976 and approved the following departmental candidates for promotion in the order of merit given below in the respective cadres of Deputy Secretary, Education Officer and Assistant Secretary:-

(i) For promotion to the Cadre of Deputy Secretary:

1. Dr. S.C. Goel
2. Shri S.P. Gupta
3. Dr. M.L. Mehta
4. Dr. T.N. Hajela
5. Shri Y.D. Sharma
6. Shri A.B. Gupta
7. Shri M.P. Balakrishnan
8. Shri L.R. Mal

(ii) For promotion to the Cadre of Education Officer:

1. Shri K.N. Bhatnagar

(iii) For promotion to the Cadre of Assistant Secretary:

1. Shri V.M. Seth
2. Shri C.K. Sharma
3. Shri H.N. Kaul
4. Shri C.M. Ramachandran
5. Shri M.R. Gupta (in relaxation of educational qualifications)
6. Shri Inder Lal

(iii) The Commission resolved that as per approved provision relating to the appointment of the post of Additional Secretary, University Grants Commission, Dr. D. Shankar Narayan may be reappointed as Additional Secretary, University Grants Commission, on tenure basis for another term of five years w.e.f. 5th May, 1976.

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Item No. 30: To note the date and place for the next meeting of the Commission.

The Commission agreed that the next meeting be held on 3rd, 4th and 5th June, 1976 at Simla.

Item No. 31: To consider the proposal of the Bombay University for the continuation of the Sabbatical Leave Programme in respect of teachers in Physics from the constituent colleges of the University.

The Commission desired that the Sabbatical Leave Programme which was initiated as on ad-hoc basis at the Bombay University may be discontinued w.e.f. 1976-77, in view of the fact that the Commission has since formulated a detailed programme for Faculty Improvement Programme.

Item No. 32: To consider the question of extension of the two Senior Fellowship of the value of Rs.1,000/- each offered by University Grants Commission to Afghan Scholars by one year.

The Commission agreed that tenure of two Senior Fellowships offered by the UGC to Afghan Scholars be extended by one year.

Item No. 33: To consider the report of the visiting committee appointed to examine the proposal of the Gujarat University, Ahmedabad, for the introduction of postgraduate course in Textile Chemistry etc.

The Commission accepted the recommendations of the Visiting Committee appointed to examine the proposal of the Gujarat University, Ahmedabad, for the introduction of postgraduate courses in Textile Chemistry, Analytical Chemistry, and Polymer Sciences and agreed to provide assistance as under :

Textile Chemistry

Professor	-	1
Readers	-	2
Lecturers	-	3

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Analytical Chemistry

Professor - 1
Readers - 2
Lecturers - 2

Polymer Science

Professor - 1
Readers - 2
Lecturers - 3

The University may be requested to organise these courses on the lines suggested by the expert committee.

It was noted that the establishment of these courses would also help in channelising the students who would otherwise seek admission in Chemistry Department consequent upon the affiliated colleges discontinuing Post-graduate classes.

The Commission further noted that the entire non-recurring requirements for building and equipment for these courses would be met by the University out of the donations received by it. The Commission may be informed of the details of the expenditure incurred for these purposes.

(R.K. Chhabra)
Secretary

(Satish Chandra)
Chairman

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Appendix III to Item No.5

DECISION OF THE UNIVERSITY GRANTS COMMISSION ON THE
RECOMMENDATION OF THE EVALUATION COMMITTEE

Recommendation of the
Evaluation Committee

Views of the University
Grants Commission

1. Attendance at a NCC activity may be treated as academic attendance.

The NCC Cadets should be enabled to derive the benefits for purposes of academic attendance, in the same manner as it available for students participating in the N.S.S. programmes and sports etc.. Any approved NCC activity which makes it necessary for the cadets to miss their academic class work should be treated as valid for purposes of academic attendance. Such concession should however, not exceed, say more than 6 per cent of the minimum attendance required as per university regulations.

2. Universities having Military Studies Departments should offer Military Science as an elective subject, open to NCC Cadets.

It would be more appropriate to designate the existing military studies department in the universities as departments of defence studies and associate in their teaching and field programmes, personal, both active and retired, from the Defence services. Defence studies or military studies should not be considered as an easy elective and alternatives to other courses. Accordingly, the contents to be included should be of university level and for this purpose a model syllabus could be laid down with the help of a Committee and the National Defence College. The syllabus so suggested could be suitably adopted by other universities.

3. The possibility of NCC 'B' Certificate being treated as a subsidiary elective subject should be examined on the basis of a revised syllabus. A revised syllabus has also been attached.

The 'B' Certificate and its contents as at present cannot be accepted as a subsidiary elective subject for university studies. It should not be treated even as a subsidiary for a student offering military science as a major subject of study. The model syllabus to be suggested as indicated above, if it is of the university level, could perhaps be included as one of the subjects at the degree level in due course.

Recommendation of the
Evaluation Committee

Views of the University
Grants Commission

4. Other things being equal a student who has successfully completed NCC training may be given preference for admission to postgraduate and professional studies.
5. The teaching periods should be compressed to 5 days and one day in the week should be designated as Field day to be devoted to NCC activities as well as other youth activities, such as National Service Scheme and N.S.O.
6. The Directors of National Cadet Corps in the States may be given powers to award 'Displeasure' to the Part-time National Cadet Corps Officers with the provision for an appeal to the Vice-Chancellor.
7. The heads of colleges/institutions should have powers of discharge of Senior Division NCC Cadets as the Head-masters exercised those powers in respect of Junior Division Cadets.
8. Enrolment of students in NCC must be voluntary and selective. Rules of attendance must be strictly enforced after they join the organisation.

It may not be appropriate to give preference to students who have completed NCC training for purposes of admission to postgraduate and professional studies. However, only those cadets who have obtained either 'B' or 'C' certificates should be given due weightage as is generally given to outstanding sportsmen in the matter of admission to such courses.

The Committee regretted to accept this decision as it was not practicable.

In the present context it would be more appropriate to deal in such matters of indiscipline through the Heads of the educational institutions.

The Committee was of the view that the powers to discharge the Cadets in the NCC should be vested with the Commanding Officer instead of the head of the Institution.

The Committee accepted the recommendation.

With regard to the reference from the Ministry of Agriculture and Irrigation regarding the guideline for a model Social forestry programme, the Commission was of the view that this should form part of the N.C.C. programme.

Appendix IV to Item No.6

JADAVPUR UNIVERSITY

Schemes accepted by the Commission during the V Plan Period.)
(All figures are in lakh of rupees)

A) NON-RECURRING

<u>S.No.</u>	<u>Item.</u>	<u>Amount approved</u>
1.	Spill over	6.75
2.	Books	11.70
3.	Equipment	15.40
4.	Buildings/Furniture	12.10
5.	Misc. Schemes.	5.38
	Total:	51.33

B) RECURRING

1. 3 Professors, 7 Readers, 5 Lecturers, 8 Tech. posts and 1 Development Officer.
2. 15. Junior Research fellowships of the value of Rs.400/- p.m. at any given time to be operated according to UGC rules.

Details are given in Annexure I to IV.

ANNEXURE - I

JADAVPUR UNIVERSITY

Amount approved for books and equipment during the V Plan period.
(The figures represent UGC share and are in lakhs of rupees. The amount includes basic grants for books (Rs.3.00) and equipment (Rs.5.00) already sanctioned during the V Plan period).

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<u>S.No.</u>	<u>Department.</u>	<u>Books</u>	<u>Equipment.</u>
1.	English	0.30	-
2.	Comparative Literature	0.50	-
3.	Bengali	0.20	-
4.	Sanskrit	0.40	-
5.	Economics	0.50	0.30
6.	International relation	0.50	-
7.	History	0.50	-
8.	Philosophy	0.40	-
9.	Library Science	0.40	-
10.	Geology	1.00	*3.50
11.	Chemistry	1.00	*4.00
12.	Physics	1.00	@2.50
13.	Mathematics	1.00	-
14.	Central Library	4.00	0.10
15.	Central Instrumentation Laboratory	-	5.00
	Total:	11.70	15.40

* including Rs. 0.50 lakh for repair & maintenance.

@ including Rs.1.00 lakh for Solid State Physics Lab.

ANNEXURE - II

Jadavpur University

Amount approved for building/furniture during the V Plan Period
(All figures are in lakhs of Rupees and represent only UGC Share)

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<u>S.No.</u>	<u>Department/Item</u>	<u>Building</u>
1.	Teachers quarters	2.50
2.	Class IV quarters	1.75
3.	Science Block	1.35
4.	Improvement and renovation of existing hostels	2.00
5.	Extension Lib. building including Museum building	2.00
6.	Campus development and improvement of water supply facilities.	2.50
	Total -	<u>12.10</u>

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ANNEXURE III

JADAVPUR UNIVERSITY

Amount approved for Miscellaneous Schemes during the V Plan period
(All figures are in lakhs of rupees and represent UGC share.)

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<u>S.No.</u>	<u>Item.</u>	<u>Amount approved</u>
1.	Seminars (Economics Deptt.)	0.05
2.	Field work and contingencies (Geology deptt.)	0.08
3.	Visiting Faculty	1.50
4.	Publication of Research work	1.00
5.	Use of outstation Research facilities.	1.00
6.	Extension lectures and Seminars.	1.00
7.	Extension of building and equipment for Health Centre.	0.75
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Total:		<hr/> 5.38 <hr/>

ANNEXURE IV

JADAVPUR UNIVERSITY

Staff approved during the V Plan period

S.No.	Deptt.	Posts	Specialisation
1.	English	1P	English language Teaching
2.	Comparative Literature	2L	One in Hindi and the other in Tamil
3.	Bengali	1R	Modern literature
4.	Economics	1P	Public Finance
		2R	One in Public Economics and the other in Industrial Economics.
5.	International relations	1L	Political theory
6.	Philosophy	2R	One in Indian logic and the other in Philosophy of Sciences/Moral Philosophy
7.	Library Science	1L	Open
8.	Geology	1P 1R 1L 2T.P.	Structural Geology Coal Geology Exploration Geophysics 1. Senior draftsman and 2. Photographic Asst.
9.	Chemistry	1R 4T.P.	Photo chemistry Technical Assts. for Lab.
10.	Central Instrumentation Laboratory	2T.P	1. Instrumentation Engineer 1. Tech. Asstt.
11.	Development Officer	1	-
	Total	3P, 7R, 5L, 8T.P. & 1 D.O.	

P Professor
R Reader
L Lecturer
TP Tech. Posts.

Appendix V to item No.7

CALCUTTA UNIVERSITY

Schemes accepted by the University Grants Commission during the V Plan period, (All figures are in lakhs of rupees).

A. Non-recurring

<u>S.No.</u>	<u>Item</u>	<u>Amount approved</u>
1.	Spill-over	22.09
2.	Schemes approved in V Plan before Committee's visit.	3.25
3.	Books & Journals	36.60
4.	Equipment	38.60
5.	Building/Furniture	55.60
6.	Miscellaneous schemes	9.80
		<u>165.94</u>

B. Recurring

- i) Staff: 6 Professors, 20 Readers, 10 Lecturers and 17 Tech. posts.
- ii) Fellowships. Fifty junior Research fellowships of the value of Rs.400 per month at any given time to be operated as per UGC rules.

Details are given in Annexures I to IV.

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Annexure - I

CALCUTTA UNIVERSITY

Grants approved for books & Journals and Equipment during the Fifth Plan period. All figures are in lakhs of Rupees and represent UGC share. The amount includes the basic grants of Rs.7 lakhs for books and Rs.10.5 lakhs for equipment already approved by the Commission during the Fifth Plan Period.

S. No.	Department	Books & Journals	Equipment II
1.	English	0.30	0.20
2.	Urdu	0.10	-
3.	Bengali	0.30	-
4.	Hindi	0.30	-
5.	Arabic/Persian	0.10	-
6.	Sanskrit	0.30	-
7.	Pali	0.05	-
8.	Philology	0.30	0.30
9.	Foreign Languages	0.50	-
10.	Library Science	0.30	-
11.	Education	0.50	-
12.	Economics	0.50	-
13.	History	0.50	-
14.	Ancient Indian History	0.30	-
15.	Islamic History & Culture	0.30	-
16.	Archaeology	0.30	-
17.	Museology	0.25	-

S. No.	Department	Books & Journals	Equipment
		I	II
18.	Philosophy	0.40	-
19.	Political Science	0.40	-
20.	Commerce	0.75	0.10
21.	Law	0.40	-
22.	Botany	1.00	2.00
23.	Zoology	1.00	3.50
24.	Physics	1.00	5.00
25.	Applied Math.	0.30	0.75
26.	Pure Mathematics	0.75	0.20
27.	Statistics	0.50	0.20
28.	Chemistry	1.00	4.50
29.	Physiology	1.00	3.00
30.	Bio-chemistry	1.00	3.00
31.	Geology	1.00	1.75
32.	Pure Psychology	0.50	0.70
33.	Applied Psychology	0.50	0.70
34.	Anthropology	0.30	0.30
35.	Geography	0.60	1.00
36.	Sociology	0.50	0.20
37.	Food & Nutrition	0.50	0.75
38.	Central Instrumentation Labs.	-	7.00
39.	Central Animal House	-	0.75

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S. No.	Department	Books & Journals I	Equipment II
40.	Central Workshop	-	2.50
41.	Central Library & Campus Libraries	18.00	0.20
		36.60	38.60

Annexure II

CALCUTTA UNIVERSITY

Grants approved for building/furniture and miscellaneous schemes during the V Plan period. All figures are in lakhs of rupees and represent UGC share.

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<u>Sr.No.</u>	<u>Item</u>	<u>Amount approved</u>
1.	Sociology Department (furniture)	0.10
2.	Extension of Science building	23.50
3.	Extension of Humanities/ Social Sciences building	19.00
4.	Staff Quarters for teachers	8.00
5.	Improvement of facilities in the existing hostels.	3.00
6.	Furnishing the Guest House	1.00
7.	Shed for Central Workshop	1.00
Total :		<u>55.60</u>

Annexure III

CALCUTTA UNIVERSITY

Amount approved for Miscellaneous schemes during the V Plan period. All figures are in lakh of rupees and represent UGC share.

<u>S. No.</u>	<u>Item</u>	<u>Purpose</u>	<u>Amount approved</u>
1.	English Department	Seminars etc.	0.25
2.	Economics Department	Field work	0.10
3.	Archaeology Department	Excavation and Field trips	0.20
4.	Museology Department	1. Field work 2. M.A. Scholarships	0.30 0.45
5.	Botany Department	Green House and Cold Room	2.00
6.	Applied Maths.	Seminars etc.	0.50
7.	Biochemistry	Seminars etc.	0.50
8.	Geology Deptt.	1. Jeep 2. Field work & contingencies	0.30 (on 50:50 basis) 0.30
9.	Geography Deptt.	Jeep	0.30 (on 50:50 basis)
10.	Faculty Improvement Programme	-	2.00
11.	Visiting Faculty	-	1.00
12.	Use of out-station res. facilities	-	0.50
13.	Seminars, Symposia & Workshops etc.	-	1.00
14.	Contingencies for Central Workshop	-	0.10
Total :			9.80

Annexure -IV

CALCUTTA UNIVERSITY

Staff approved during the Fifth Plan Period

<u>S.No.</u>	<u>Department</u>	<u>Posts</u>	<u>Specialisation</u>
1.	English	1 R	Comparative Literature
2.	Urdu	1 R	Open
3.	Bengali	1 L	Open
4.	Hindi	1 R	Open
5.	Sanskrit	1 L	Open
6.	Foreign Languages	2 L	German/Russian
7.	Education	1 R	Open
8.	Economics	1 R	Public Economics/Industrial Economics
9.	History	1 P	Economic & Social History
		1 L	Open
10.	Museology	1 R	Biological Sciences
11.	Philosophy	1 L	Open
12.	Pol. Science	1 R	Open
		1 L	Open
13.	Commerce	1 P	Accounting
		1 R	Functional areas of business/ Industrial Sociology/Industrial relations/Personnel Management & Marketing.
14.	Law	1 R	Open
15.	Botany	1 R	Molecular Radiation Biology/ Ultrastructure.
		1 T.P	Technical Assistant for Tissue culture/Radiation Lab.
16.	Zoology	2 R	1.Comparative Endocrinology. 2.Protozoology/Parasitology
		3 T.P.	Two Technical Assistants and one Animal keeper.

<u>S.No.</u>	<u>Department</u>	<u>Posts</u>	<u>Specialisation</u>
17.	Physics	2 R	Experimental Solid State/ Practical Solid State/ Biophysics.
18.	Applied Math.	1 P 1 R 1 L	Theoretical Physics Cybernetics/Ocenography/ Operational research. Open
19.	Pure Math.	1 R	Only if an inteegrated course in Mathematics is started.
20.	Statistics	1 L	Open
21.	Chemistry	1 R 2 T.P.	Solid State Chemistry/Photo Chemistry/Organo Metallic Chemistry Technical Assistants - one for Organic and one for inorganic Chemistry.
22.	Physiology	1 T.P.	Technical Assistant
23.	Biochemistry	1 P	Nutrition.
24.	Geology	1 P	Igneous & metamorphic petrology /Micropaleontology.
25.	Pure Psychology	1 T.P.	Animal Keeper.
26.	Applied Psychology	2 T.P.	1. Photographer-cum-Artist. 2. Mechanic.
27.	Anthropology	1 R	Applied Anthropology/Physical Anthropology.
28.	Geography	1 P	Social Geography
29.	Sociology	1 R 1 L	Social Anthropology/Sociometry Open
30.	Food & Nutrition	1 R	Foods
31.	Central Instru- mentation Lab.	4 T.P.	1. Instrumentation Engineer. 2. Three Technical Assistants.

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<u>S.No.</u>	<u>Department</u>	<u>Posts</u>	<u>Specialisation</u>
32.	Animal House	1 T.P.	Animal Keeper
33.	Central Workshop	2 T.P.	1. Supervisor 2. Mechanic
<u>6P. 2OR. 10L & 17 T.P.</u>			

P:- Professor

R:- Reader

L:- Lecturer

T.P:- Technical Posts.

Appendix VI to Item No. 8

Indian Institute of Science

VTH PLAN ALLOCATION APPROVED (U.G.C. SHARE)

	(Lakhs of Rupees)	
1. <u>Recurring</u>	65.00	(Annexure I)
		(For Plan period)
2. <u>Non-recurring</u>		
2.1 Equipment as central facilities (Committed)	106.00	(Annexure II)
2.2 Equipment as Central facilities.	93.00	(Annexure III)
2.3 Equipment for individual departments	80.00	(Annexure IV)
2.4 Buildings and Campus development	108.00	(Annexure V)
	<hr/>	
	387.00	
	<hr/>	
Total Recurring	65.00	
Total Non-recurring	387.00	
Total Outlay on V Plan	452.00	

S. No.	Department	Books & Journals	Equipment
		I	II
18.	Philosophy	0.40	-
19.	Political Science	0.40	-
20.	Commerce	0.75	0.10
21.	Law	0.40	-
22.	Botany	1.00	2.00
23.	Zoology	1.00	3.50
24.	Physics	1.00	5.00
25.	Applied Math.	0.30	0.75
26.	Pure Mathematics	0.75	0.20
27.	Statistics	0.50	0.20
28.	Chemistry	1.00	4.50
29.	Physiology	1.00	3.00
30.	Bio-chemistry	1.00	3.00
31.	Geology	1.00	1.75
32.	Pure Psychology	0.50	0.70
33.	Applied Psychology	0.50	0.70
34.	Anthropology	0.30	0.30
35.	Geography	0.60	1.00
36.	Sociology	0.50	0.20
37.	Food & Nutrition	0.50	0.75
38.	Central Instrumentation Labs.	-	7.00
39.	Central Animal House	-	0.75

S. No.	Department	Books & Journals I	Equipment II
40.	Central Workshop	-	2.50
41.	Central Library & Campus Libraries	18.00	0.20
		36.60	38.60

Annexure II

CALCUTTA UNIVERSITY

Grants approved for building/furniture and miscellaneous schemes during the V Plan period. All figures are in lakhs of rupees and represent UGC share.

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<u>Sr.No.</u>	<u>Item</u>	<u>Amount approved</u>
1.	Sociology Department (furniture)	0.10
2.	Extension of Science building	23.50
3.	Extension of Humanities/ Social Sciences building	19.00
4.	Staff Quarters for teachers	8.00
5.	Improvement of facilities in the existing hostels.	3.00
6.	Furnishing the Guest House	1.00
7.	Shed for Central Workshop	1.00
	Total :	<u>55.60</u>

Annexure III

CALCUTTA UNIVERSITY

Amount approved for Miscellaneous schemes during the V Plan period. All figures are in lakh of rupees and represent UGC share.

<u>S. No.</u>	<u>Item</u>	<u>Purpose</u>	<u>Amount approved</u>
1.	English Department	Seminars etc.	0.25
2.	Economics Department	Field work	0.10
3.	Archaeology Department	Excavation and Field trips	0.20
4.	Museology Department	1. Field work 2. M.A. Scholarships	0.30 0.45
5.	Botany Department	Green House and Cold Room	2.00
6.	Applied Maths.	Seminars etc.	0.50
7.	Biochemistry	Seminars etc.	0.50
8.	Geology Deptt.	1. Jeep 2. Field work & contingencies	0.30 (on 50:50 basis) 0.30
9.	Geography Deptt.	Jeep	0.30 (on 50:50 basis)
10.	Faculty Improvement Programme	-	2.00
11.	Visiting Faculty	-	1.00
12.	Use of out-station res. facilities	-	0.50
13.	Seminars, Symposia & Workshops etc.	-	1.00
14.	Contingencies for Central Workshop	-	0.10
Total :			9.80

Annexure -IV

CALCUTTA UNIVERSITY

Staff approved during the Fifth Plan Period

<u>S.No.</u>	<u>Department</u>	<u>Posts</u>	<u>Specialisation</u>
1.	English	1 R	Comparative Literature
2.	Urdu	1 R	Open
3.	Bengali	1 L	Open
4.	Hindi	1 R	Open
5.	Sanskrit	1 L	Open
6.	Foreign Languages	2 L	German/Russian
7.	Education	1 R	Open
8.	Economics	1 R	Public Economics/Industrial Economics
9.	History	1 P	Economic & Social History
		1 L	Open
10.	Museology	1 R	Biological Sciences
11.	Philosophy	1 L	Open
12.	Pol. Science	1 R	Open
		1 L	Open
13.	Commerce	1 P	Accounting
		1 R	Functional areas of business/ Industrial Sociology/Industrial relations/Personnel Management & Marketing.
14.	Law	1 R	Open
15.	Botany	1 R	Molecular Radiation Biology/ Ultrastructure.
		1 T.P	Technical Assistant for Tissue culture/Radiation Lab.
16.	Zoology	2 R	1. Comparative Endocrinology. 2. Protozoology/Parasitology
		3 T.P.	Two Technical Assistants and one Animal keeper.

<u>S.No.</u>	<u>Department</u>	<u>Posts</u>	<u>Specialisation</u>
17.	Physics	2 R	Experimental Solid State/ Practical Solid State/ Biophysics.
18.	Applied Math.	1 P	Theoretical Physics
		1 R	Cybernetics/Oceanography/ Operational research.
		1 L	Open
19.	Pure Math.	1 R	Only if an integrated course in Mathematics is started.
20.	Statistics	1 L	Open
21.	Chemistry	1 R	Solid State Chemistry/Photo Chemistry/Organo Metallic Chemistry
		2 T.P.	Technical Assistants - one for Organic and one for inorganic Chemistry.
22.	Physiology	1 T.P.	Technical Assistant
23.	Biochemistry	1 P	Nutrition.
24.	Geology	1 P	Igneous & metamorphic petrology /Micropaleontology.
25.	Pure Psychology	1 T.P.	Animal Keeper.
26.	Applied Psychology	2 T.P.	1. Photographer-cum-Artist. 2. Mechanic.
27.	Anthropology	1 R	Applied Anthropology/Physical Anthropology.
28.	Geography	1 P	Social Geography
29.	Sociology	1 R	Social Anthropology/Sociometry
		1 L	Open
30.	Food & Nutrition	1 R	Foods
31.	Central Instru- mentation Lab.	4 T.P.	1. Instrumentation Engineer. 2. Three Technical Assistants.

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<u>S.No.</u>	<u>Department</u>	<u>Posts</u>	<u>Specialisation</u>
32.	Animal House	1 T.P.	Animal Keeper
33.	Central Workshop	2 T.P.	1. Supervisor 2. Mechanic

6P. 2OR. 1OL & 17 T.P.

P:- Professor

R:- Reader

L:- Lecturer

T.P:- Technical Posts.

Appendix VI to Item No. 8

Indian Institute of Science

VII PLAN ALLOCATION APPROVED (U.G.C. SHARE)

		(Lakhs of Rupees)	
1.	<u>Recurring</u>	65.00	(Annexure I)
		(For Plan period)	
2.	<u>Non-recurring</u>		
2.1	Equipment as central facilities (Committed)	106.00	(Annexure II)
2.2	Equipment as Central facilities	93.00	(Annexure III)
2.3	Equipment for individual departments	80.00	(Annexure IV)
2.4	Buildings and Campus development	108.00	(Annexure V)
		<hr/>	
		387.00	
		<hr/>	
Total Recurring		65.00	
Total Non-recurring		387.00	
Total Outlay on V Plan		452.00	

Annexure 'I'

Indian Institute of Science

Recurring

(Figures in lakhs of rupees)

1. Spill-over from IV Plan projects	20.00	
2. Centre for Electronics Design Technology	10.00	
3. Molecular Biophysics Unit	2.00	
4. Working expenses for interdisciplinary Projects	5.00	
5. Additional working expenses	10.00	
6. Provision for essential posts	12.00	
7. Support for continuing education	6.00	
	<hr/>	
	65.00	Lakhs
	<hr/>	
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Annexure II

Equipment as central facilities
(Committed)

Non-recurring

(Figures in lakhs of Rupees)

1. Computer expansion	22.00	
2. Computer expansion II Phase	25.00	
3. Cryogenic facilities	20.00	
4. Single crystal X-ray diffractometer	14.00	
5. Hybrid computer	25.00	
	<hr/>	
	106.00	Lakhs.
	<hr/>	
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Annexure III

Indian Institute of Science
Equipment as Central facilities

Non-recurring

(Figures in lakhs of Rupees)

1.	Library (Books & Equipment)	12.00
2.	Instrumentation Projects	5.00
3.	General Research equipment	25.00
4.	Solid State Electronics and Materials Science Programme	25.00
5.	Workshop facilities	20.00
6.	Graphic Arts facilities	1.00
7.	Molecular Biology and Bio-Engineering	2.00
8.	Central stores (Inventory build-up)	3.00
	Total -	<hr/> 93.00 <hr/>

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Annexure IV

Indian Institute of Science
Equipment for individual departments

Non-recurring

(Figures in lakhs of Rupees)

1. Division of Physics and
Mathematical Sciences:

1.1 Applied Mathematics	0.50
1.2 Central Instruments & Services Laboratory	2.00
1.3 Centre for Theoretical Studies	0.50
1.4 Foreign Language Section	0.50
1.5 Physics	2.50

6.00

2. Division of Chemical and
Biological Sciences

2.1 Biochemistry	3.00
2.2 Inorganic and Physical Chemistry	3.00
2.3 Microbiology & Cell Biology Laboratory	1.50
2.4 Molecular Biophysics Unit	8.00
2.5 Organic Chemistry	2.00
2.6 Central Animal Facility	0.50

18.00

3. Division of Electrical Sciences

3.1 Electrical Communication Engg.	5.00
3.2 Electrical Engineering	5.00
3.3 High Voltage Engineering	5.00
3.4 School of Automation	9.00

24.00

4. Division of Mechanical Sciences

4.1	Aeronautical Engineering	5.00
4.2	Chemical Engineering	5.00
4.3	Civil Engineering	5.00
4.4	Industrial Management	1.00
4.5	Mechanical Engineering	7.00
4.6	Metallurgy	8.00

31.00

5. Health Centre

1.00

Grand Total

80.00

Annexure V

Indian Institute of Science
Buildings and Campus development

Non-recurring.

(Figures in lakhs of Rupees)

I. Spill-over from IV Plan Projects	19.00
II. For new projects as detailed below :-	
(a) <u>Renovation of old Buildings</u>	20.00
Biochemistry, Inorganic & Physical Chemistry, Physics Including stores.	
(b) <u>New Buildings:</u>	
Central Laboratory Complex for materials and electronics	30.00
Molecular Biophysics	8.00
Hostel facilities for students and continuing education	15.00
(c) <u>Campus development:</u>	
Completion of periphery wall and augmentation of water and power supply facilities.	11.00
(d) Student amenities	5.00
Total	<u>108.00</u>

Appendix VII to Item No.27

For future recruitment to the posts of Lecturers in Universities, the minimum qualifications shall be as may be determined by the University Grants Commission which are as follows:

University Lecturers

- (a) A Doctor's degree or research work of an equally high standard; and
- (b) consistently good academic record with 1st or high 2nd class B (in the seven point scale) Master's degree in a relevant subject or an equivalent degree of a foreign university.

Having regard to the need for developing inter-disciplinary programmes, the degrees in (a) and (b) above may be in relevant subjects.

Provided that if the Selection Committee is of the view that the research work of a candidate as evident either from his thesis or from his published work is of very high standard, it may relax any of qualifications prescribed in (b) above.

Provided further that if a candidate possessing a Doctor's degree or equivalent research work is not available or is not considered suitable, a person possessing a consistently good academic record (weightage being given to M.Phil. or equivalent degree or research work of quality) may be appointed provided he has done research work for at least two years or has practical experience in a research laboratory/organisation on the condition that he will have to obtain a Doctor's degree or give evidence of research work of equivalent high standard within five years of his appointment, failing which he will not be able to earn future increments until he fulfils these requirements.

Explanation:

1. Candidates for being eligible for recruitment to the posts of Lecturers must have a 1st or high Second Class B (in the seven point scale) at the Master's level and for determining consistently good record, average of 50-55% or B (in the seven point scale) may be expected at the two examinations prior to the Master's examination.

. The following two examples would illustrate the above:

(1) A candidate who has obtained 52% marks at the Higher Secondary/Pre-University/Intermediate and 58% at the Degree Level would have an average of 55% and as such could be considered.

p.t.o.

(11) A candidate who has obtained 60% at Higher Secondary/Pre-University/Intermediate and 44% at the Degree level would have an average of 52% and as such could be considered.

51

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting:
Dated : 29th April, 1976.
Time : 10.00 A.M.
Place : U.G.C., Office, New Delhi.

A G E N D A

- Item No.1 : To receive the minutes of the meeting of the Commission held on 22nd March, 1976.
- Item No.2 : a) To approve the action taken on certain matters
b) To receive the items of information
c) To receive the statement of proposals which could not be accepted by the Commission.
- Item No.3 : To approve the statement of grants released after the last meeting of the Commission held on 22nd March, 1976.
- Item No.4 : To receive the statement of expenditure incurred by the University Grants Commission during 1975-76 upto 31st March, 1976.
- Item No.5 : To receive the minutes of N.C.C. Committee appointed by the Commission to consider the recommendations made by the Evaluation Committee set up by the Government of India on the working of N.C.C. p 1-8
- Item No.6 : To consider the report of the Visiting Committee appointed by the Commission to assess the V Plan Proposals of the Jadavpur University. p 9-13
- Item No.7 : To consider the report of the Visiting Committee appointed by the Commission to assess the V Plan Proposals of the Calcutta University. p 14-21
- Item No.8 : To consider the Report of the Visiting Committee appointed by the University Grants Commission for assessing the development needs of the Indian Institute of Science, Bangalore, during the Fifth Five Year Plan. p 22-32

p.t.o.

- Item No.9 : To consider the recommendations made by the Committee set up by the Commission to suggest Guidelines for formulating courses in History of Science and Technology in the Universities and Colleges. p 33-39
- Item No.10 : To consider the report of the Committee appointed by the Commission to consider the proposal of School of Planning & Architecture, New Delhi for declaring it as an Institution deemed to be University under Section 3 of the University Grants Commission Act. p 40-75
- Item No.11 : To consider the report of the Committee appointed by the University Grants Commission to assess the programme of Continuing Education at Saurashtra University, Rajkot. p 76-84
- Item No.12 : To consider the recommendations of the Committee appointed by the Commission to examine the Computer requirements of Annamalai University. p 85-89
- Item No.13 : To consider the recommendations of the Committee appointed by the Commission to examine the Computer requirements of M.S. University of Baroda, Baroda. p 90-98
- Item No.14 : To further consider the question of increase in the value of the fellowship awards under the scheme of "preparation of University level books by Indian Authors". p 99-101
- Item No.15 : To consider further the question of institution of Readership in Single faculty Colleges. p 102-104
- Item No.16 : To consider a proposal from Government of Madhya Pradesh to create Readership in the universities for their assignment to the Government Colleges. p 105-108
- Item No.17 : To consider the question of granting leave on academic grounds to junior and senior research fellows during tenure of fellowship. p 109-112
- Item No.18 : To consider a proposal regarding enhancement of annual allocation made under the scheme of 'unassigned grants' to universities. p 113-119
- Item No.19 : To consider the question of expanding the scope of the Book Bank Scheme to cover the Post-graduate and Professional Colleges. p 120-121
- Item No.20 : To consider the suggestion to increase the amount of honourarium paid to awardees under the scheme 'USRT' by the institution where the teacher works. p 122

- Item No.21 : To consider proposals from Jawaharlal Nehru University for additional funds during the 5th Plan Period. p 123-135
- Item No.22 : To consider the proposal of Dibrugarh University for the introduction of Post-graduate course in Petroleum Technology. p 136-139
- Item No.23 : To consider the proposal of the Rajasthan University for the construction of building for the Institute of Correspondence Courses. p 140-141
- Item No.24 : To consider the amendment proposed by the University of Delhi to its Ordinance relating to Visiting Professors or Lecturers. p 142-144
- Item No.25 : To consider the proposal of the Gujarat University for setting up a Department of commerce. p 145-148
- Item No.26 : To consider the question of reviewing the policy of awarding Scholarships at the Hons. and Master degree level in Arabic, Persian, Sanskrit and Pali.
- Item No.27 : To receive a note on implementation of the revised scales of pay and the conditions attached to these i.e. minimum qualifications, examination, remuneration and code of conduct in different States.
- Item No.28 : To consider the Budget Estimates of the University Grants Commission for 1976-77 (Plan).
- Item No.29 : To consider certain establishment matters of the University Grants Commission.
- Item No.30 : To note the date and place for the next meeting of the Commission.

Any other item.

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SLK

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting :
Dated : 29th April, 1976.
Time : 10.00 A.M.
Place : University Grants Commission.

A G E N D A

- Item No. 31 : To consider the proposal of the Bombay University for the continuation of the Sabbatical Leave Programme in respect of teachers in Physics from the constituent colleges of the University. p.153-154
- Item No. 32 : To consider the question of extension of the two Senior Fellowship of the value of Rs. 1,000/- each offered by University Grants Commission to Afghan Scholars by one year. p. 155
- Item No. 33. : To consider the report of the visiting Committee appointed to examine the proposal of the Gujarat University, Ahmedabad for the introduction of post-graduate course in Textile Chemistry etc. p.156-164.

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UNIVERSITY GRANTS COMMISSION

MINUTES OF THE 178TH MEETING OF THE UNIVERSITY GRANTS
COMMISSION HELD ON MARCH 22, 1976.

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The following were present:

Professor Satish Chandra	-	Chairman
Dr. Ajit Mazoomdar	-	Member
Professor R.P. Bambah	-	Member
Professor S.S. Saluja	-	Member
Professor(Miss) A.J.Dastur	-	Member
Professor J.B. Chitambar	-	Member
Professor B.M. Udgaonkar	-	Member
Dr. Chandran D.S. Devanesen	-	Member
Shri R.K. Chhabra	-	Secretary

Shri K.N. Channa, Professor S. Gopal, and
Professor Magbool Ahmed expressed their inability
to attend the meeting.

SECRETARIAT

Additional Secretary

Dr. D. Shankar Narayan

Joint Secretary

Dr. J.N. Kaul

Deputy Secretaries

Shri S. Viswanath
Shri I.C. Menon
Dr. S.C. Goel
Shri S.P. Gupta
Dr. M.L. Mehta
Shri A.B. Gupta
Shri M.P. Balakrishnan

Director (SRC)

Dr. Jagdish Shankar

Finance Officer

Shri R.P. Bhattacharjee

p.t.o.

Item No. 1 : To receive the minutes of the meeting of the Commission held on 16th February, 1976.

The minutes of the 177th meeting of the University Grants Commission held on 16th February, 1976 were confirmed subject to the following:

The following may be added as sub-para (iii) to the general discussions held, on page 2 of the minutes:

"(iii) The Commission should have a mechanism for monitoring various research programmes in the universities in terms of their quality and relevance."

The following changes may be made in Appendix IV to Item No.3:

The first sentence in guideline No.1 may read as follows:

"The fellowship may be awarded to deserving scholars working for Ph.D. degree."

The first sentence in guideline No.6 may read as follows:

"The awards against these fellowships may be made with the help of a Committee appointed by the University and in consultation with the Research Fellowships Committee of the Department concerned and before the end of September each year."

In this connection, the Commission desired that the universities be advised to set up Research Fellowships Committee in the different departments of the universities.

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

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

(b) 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 16th February, 1976.

The Commission approved the grants released after the last meeting of the Commission held on 16th February, 1976 (Appendix II*).

Item No. 4 : To receive the statement of expenditure incurred by the University Grants Commission during 1975-76 upto 29th February, 1976.

. . . . This was noted. In this connection, it was desired that the State Governments be advised to consider the possibility of introducing the block grant system for payment of maintenance grants to the universities.

Item No. 5 : To receive a statement indicating the progress of issue of Utilization Certificates during the period ending 29th February, 1976.

This was noted.

Item No. 6 : To consider the recommendations of the Advisory Committee for Centres of Advanced Study in Humanities & Social Sciences on the report of Committee set up by the Commission to evaluate the working of the Centre of Advanced Study in Education, M.S. University of Baroda.

Consideration of this item was deferred.

* Not enclosed.

p.t.o.

Item No. 7 : To consider the recommendation of the Advisory Committee for Centres of Advanced Study in Humanities & Social Sciences on the report of Committee set up by the Commission to evaluate the work of the Centre of Advanced Study in History, Aligarh Muslim University, and to examine its development proposals for the Fifth Plan period.

The Commission generally accepted the recommendations of the V Plan Visiting Committee in respect of the Centre of Advanced Study in History at the Aligarh Muslim University and agreed to provide assistance as indicated in Appendix III upto the end of 1978-79.

The Commission desired that the Centre should be advised to make special efforts to recruit a suitable proportion of its faculty from other universities and research centres in the country.

The Commission noted that in the case of the State Universities, it had been agreed that the recurring assistance for appointment of staff for Centres of Advanced Study, Area Studies Programme, etc. approved during the V Plan be provided till 1980-81, provided that the State Governments agree to take over this as committed expenditure thereafter. The Commission agreed that the other recurring expenditure sanctioned for proposals under these schemes may also be provided till 1980-81 on the usual terms and conditions.

Item No. 8 : To consider the recommendations made by the Advisory Committee for the Centres of Advanced Study in the Humanities and Social Sciences on the report of the Assessment Committee set up by the Commission to examine the 5th Plan development proposals of the Centre of Advanced Study in Economics, Bombay University.

The Commission accepted the recommendations of the Advisory Committee for Centres of Advanced Study in Humanities and Social Sciences in respect of the further development of the C.A.S. in Economics, University of Bombay, and agreed to provide grants as indicated in Appendix IV. The assistance of the Commission would be available upto 1980-81 subject to the usual conditions.

Item No. 9 : To consider the recommendations made by the Advisory Committee for the Centres of Advanced Study in the Humanities and Social Sciences on the report of the Assessment Committee set up by the Commission to examine the 5th Plan development proposals of the Centre of Advanced Study in Economics, Delhi University.

The Commission accepted the recommendations of the Advisory Committee for Centres of Advanced Study in Humanities and Social Sciences in respect of the Centre of Advanced Study in Economics, University of Delhi, and agreed to provide grants as indicated in Appendix V. The assistance of the Commission would be available for the period ending 1978-79 subject to the usual conditions.

Item No. 10: To consider the recommendations made by the Advisory Committee for the Centres of Advanced Study in the Humanities and Social Sciences on the report of the Assessment Committee set up by the Commission to examine the 5th Plan development proposals of the Centre of Advanced Study in Economics, Poona University.

The Commission accepted the recommendations of the Advisory Committee for Centres of Advanced Study in Humanities and Social Sciences in respect of the Centre of Advanced Study in Economics, University of Poona and agreed to provide grants as indicated in Appendix VI. The assistance of the Commission would be available upto 1980-81 subject to the usual conditions.

In this connection, the Commission desired that the Poona University be requested to consider the question of giving autonomous status to the Gokhale Institute of Politics & Economics, so as to enable it develop good undergraduate and postgraduate courses in Economics.

Item No. 11: To consider the recommendations made by the Advisory Committee for the Centres of Advanced Study in the Humanities and Social Sciences on the report of the Assessment Committee set up by the Commission to examine the 5th Plan development proposals of the Centre of Advanced Study in Linguistics, Annamalai University.

The Commission accepted the recommendations of the Advisory Committee for Centres of Advanced Study in Humanities and Social Sciences in respect of the C.A.S. in Linguistics, Annamalai University, and agreed to provide grants as indicated in Appendix VII. The assistance of the Commission would be available upto 1980-81 subject to the usual conditions.

Item No.12: To consider the recommendations made by the Advisory Committee for the Centres of Advanced Study in the Humanities and Social Sciences on the report of the Assessment Committee set up by the Commission to examine the 5th Plan development proposals of the Centre of Advanced Study in Sanskrit, Poona University.

The Commission accepted the recommendations of the Advisory Committee for Centres of Advanced Study in Humanities and Social Sciences in respect of the C.A.S. in Sanskrit, University of Poona, and agreed to provide grants as indicated in Appendix VIII. The assistance of the Commission would be available upto 1980-81 subject to the usual conditions.

Item No.13: To consider the recommendations of the Advisory Committee for the Centres of Advanced Study in the Humanities and Social Sciences on the report of the Committee set up by the Commission to evaluate the work of the Centre of Advanced Study in Sociology, Delhi University, and to examine its development proposals for the 5th Plan period.

The Commission accepted the recommendations of the Advisory Committee for Centres of Advanced Study in Humanities and Social Sciences in respect of the C.A.S. in Sociology, Delhi University, and agreed to provide grants as indicated in Appendix IX. The assistance of the Commission would be available for the period ending 1978-79.

Item No.14: To consider the recommendations of the Committee set up by the University Grants Commission for proposing ways and means of developing expertise in the field of Archaeology and Museums in the Universities.

The Commission generally accepted the recommendations of the Committee set up by the U.G.C. for proposing ways and means of developing expertise in the field of archaeology and museums in the universities and agreed that 10 fellowships of the value of Rs.500 per month for a period of three months every year be made available to in-service teachers who may like to undertake training in the field of archaeology with the Archaeological Survey of India at their major excavation centres. Each person would avail of this fellowship for a period of three months in two successive years. In addition to the fellowship, the fellow would be paid T.A. in accordance with the rules of the university concerned.

It was noted that the maximum number of fellowships that may be available at any given time would not exceed 20.

The Universities having at least four courses in archaeology at the postgraduate level and with adequate arrangement for practical training may be considered for some assistance outside the plan allocation for development of archaeological studies.

Item No. 15: To consider the recommendations made by the Panel on Law at its meeting held on November 22, 1975 and January 27, 1976 regarding scholarships for full-time LL.M. courses.

The Commission agreed to institute 50 scholarships for LL.M. studies to be administered directly by the UGC to enable merited students to pursue their full-time LL.M. course in universities identified for the purpose with the help of Panel on law. The value of the scholarships would be Rs.250/- per month tenable for a period of two years and where a scholar is enrolled in a university other than from the university from which he obtained his LL.B. degree, he may also be paid travel expenses as in the case of national scholarships.

In the light of the views expressed by the universities on the earlier decision of the Commission that only full-time LL.M. courses be provided by the universities, the Commission desired that the Law Panel may be requested to review its earlier recommendations regarding this, bearing in mind that factors like criteria of admissions, quality of teaching, the prescribed standard for the LL.M. courses, motivation and job opportunities for the candidates and the total period of studies may be more important than the full-time or half-time character of the course.

Item No. 16: To consider the recommendation of forty-second report of the Committee on the welfare of Scheduled Castes and Scheduled Tribes on the Ministry of Education and Social Welfare.

The Commission noted that in the past it had not even been possible to award all junior and senior fellowships reserved for scheduled castes and scheduled tribes. The Commission was of the view that its decision to earmark 50 junior fellowships to be awarded in addition to the 10 per cent already reserved for candidates belonging to scheduled

castes and scheduled tribes would be more advantageous to the students coming from the weaker sections than accepting the suggestion made by the Committee on the welfare of Scheduled Castes and Scheduled Tribes to provide for 22½ per cent reservations for such students in the general pool.

The Commission further desired that the present provision be reviewed after a period of two to three years.

Item No. 17: To receive a Report of the UGC-ICSSR Study Team on Social Sciences in Professional Education.

This was noted. It was also observed that the report of the UGC-ICSSR Study Team on Social Sciences in Professional Education has also been circulated to the universities and professional colleges.

Item No. 18: To consider a reference from the Ministry of Education and Social Welfare regarding recommendations made by the Committee of Writers on travelling fellowships/special Visiting Professorships.

The Commission accepted in principle the suggestion made by the Committee of Writers on travelling fellowships/special Visiting Professorships in the universities and desired that the details of the scheme may be worked out with the help of a Committee. The Commission further desired that such Visiting fellowships should also be available in other creative arts.

Item No. 19: To consider again the report of the M.Phil. Committee about the objectives and working of the M.Phil. Courses in the universities.

The Commission desired that a sub-committee of the Commission may finalise the guidelines for instituting M.Phil. courses keeping in view the discussions held at the meeting of the Commission.

Item No. 20: To consider the report of the seminar on continuing education held at Poona on February 7-9, 1976.

This was noted. The Commission desired that this may be considered by the Committee on Continuing Education.

Item No. 21: To further consider the proposal of the Bhopal University for starting correspondence courses for B.A. and B.Com.

The Commission accepted the proposal of the Bhopal University for starting correspondence courses for B.A. and B.Com. and agreed to provide necessary assistance in accordance with the norms. The Commission desired that the University be advised not to appoint any tutors for the proposed correspondence courses.

It was noted that the M.P. Uchha Shiksha Anudan Ayog has given an undertaking that no other university in M.P. will offer correspondence courses during the current Plan period.

Item No. 22: To consider the question of period of assistance to the affiliated colleges towards the creation of additional posts during Vth Plan.

The Commission agreed that assistance for additional teaching posts, if any, sanctioned under the Rs.5 lakh scheme or under the schemes for assistance of the development of postgraduate facilities in affiliated colleges may be provided for the period ending 1980-81 on the usual conditions. However, while estimating the expenditure on such posts within the overall ceiling for the different schemes, the cost will be worked out for the period ending 1978-79.

Item No. 23: To consider the question of extending benefit of the scheme of Teacher Fellowship to teachers in the affiliated agricultural colleges.

The Commission desired that the I.C.A.R. be requested to consider the desirability of instituting teacher fellowships for teachers from the agricultural colleges affiliated to the Universities.

Item No. 24: To consider the question of providing assistance to the colleges in Bihar which have suffered in floods last year.

The Commission expressed its inability to provide any special assistance to the colleges which were affected by the floods in Bihar last year. The Commission, however, agreed that in case of such colleges, assistance under Rs.5 lakh scheme may not be split in two phases, but, if necessary, the proposals of the colleges may be considered for full assistance in the first instance itself.

Item No. 25: To consider the programmes of academic collaboration between (1) Department of Botany, Calcutta University, and Queen Mary College, University of London, Department of Botany, University of Nottingham, U.K., (2) Department of Metallurgical Engineering, BHU, and Department of Metallurgy, University of Sheffield (UK).

The Commission accepted the programmes of academic collaboration between (1) Department of Botany, Calcutta University, and Queen Mary College, University of London, Department of Botany, University of Nottingham, U.K. and (2) Department of Metallurgical Engineering, B.H.U., and Department of Metallurgy, University of Sheffield (U.K.) and agreed to provide assistance as given in Appendix X.

Item No. 26: To consider the proposal of the Utkal University for change in the specialisation for the posts of Readers approved for the V Plan period.

The Commission desired that the proposals from the universities suggesting changes in specialisation for the posts accepted on the recommendations of the V Plan Visiting Committees may be placed before the Commission for consideration with all relevant information e.g. (a) the Visiting Committee's recommendations, (b) justification given by the University for the change in specialisation, and (c) qualifications and specialisation of the academic staff already in position in the Department.

The Commission further desired that the proposal of Utkal University may be brought before it along with the information indicated above.

Item No. 27: To consider the report of the Visiting Committee appointed by the Commission to examine the proposals of the Calcutta University for the development of University PG Centre at Agartala.

The Commission accepted the recommendations made by the Visiting Committee which examined the proposal of the Calcutta University for setting up a Postgraduate Centre at Agartala and agreed to provide assistance as given in Appendix XI.

In this connection, the Commission desired that a sum of Rs. 50,000. may be provided for use of research facilities by teachers of the Postgraduate Centre at other places.

Item No. 28: To consider the report of the Visiting Committee which assessed the Vth Plan needs of universities in the Madhya Pradesh (except Jabalpur University).

The Commission noted the general observations made in the reports of the Visiting Committee on the development of higher education in the universities in M.P. (excluding Jabalpur). It also noted the discussions which the Visiting Committee had with the representatives of the State Government and the M.P. Uchha Shiksha Anudan Ayog. The Commission made the following general and specific observations in this regard:

GENERAL

1. The Commission agreed that the Uchha Shiksha Anudan Ayog could play a useful role in proper implementation of the development programmes of the universities but it was emphasized that the overall responsibility for coordination and maintenance of standards had been vested with the UGC in the context of development of higher education in the country.

2. The present organisation of the universities in M.P. does not facilitate a proper inter-action with the colleges and the universities concerned. It would, therefore, be desirable to establish such working relationships as well as set up an Advisory Committee to help the colleges affiliated to the universities concerned for their planning and development and utilization of the assistance available from the U.G.C. and the State Government. The Commission would consider providing some assistance to enable such Committees to function in an effective manner.

3. In view of the limited resources available, it would be desirable if the universities could undertake a survey of the stage of development of its colleges and identify one or two colleges in each district which could be assisted and developed as quality institutions in the present plan period in the first instance.

4. Wherever appropriate, some of the colleges located at the headquarters of the University could be made as constituent colleges and the University might take over direct responsibility for their administrative and academic functions. (It was noted that somewhat similar arrangement has been introduced in some of the universities in Bihar.).

5. The constitution of Board of Studies be so modified that the University Departments would be enabled to play a major role in the development of curricula and courses of studies.

The Commission generally accepted the recommendations made by the Visiting Committee which assessed the V. Plan needs of the Universities in M.P. as indicated in Appendix XII subject to the following:

Bhopal University: The proposal of the University for setting up a Department of Law may be considered on merit along with similar proposals from other universities in Madhya Pradesh. The University may establish a Department of Modern Persian and Modern Arabic instead of Department of Comparative Language and Culture with one Professor, two Readers and two Lecturers.

Jiwaji and Vikram Universities: The Universities may develop facilities for the entire history of India including history of medieval and modern periods in addition to the history of ancient period on which they are concentrating at present.

Saugar University: The Commission desired that in order to strengthen the study of medieval history, it would be useful to start postgraduate course in the Department of Urdu and Persian and for this, one post of Reader may also be provided.

A.P.S. University, Rewa: The Commission desired that funds for the proposed Department of Physics may be provided under Priority I. The University may utilize the grants to set up a broad-based department required to meet its teaching needs and need not aim at specialisation in space physics.

Item No. 29: To consider further the report of the Review Committee on Visva-Bharati appointed by the Ministry of Education and Social Welfare in the light of the comments received from the Academic Council and the Executive Council of the University on the report of the Committee.

The Commission considered the report of the Review Committee on Visva-Bharati appointed by the Ministry of Education & Social Welfare and generally agreed with the recommendations made by the Committee. It was felt that the power of the Visitor may, generally, be similar to those in other Central Universities.

The Commission also considered the comments received from the Visva-Bharati on the report and agreed that the observations on these as given in Appendix XIII* may also be communicated to the Ministry of Education.

Item No. 30: To consider the report of the Committee appointed by the University Grants Commission to examine a proposal to declare the School of Planning and Architecture as an Institution deemed to be University under Section 3 of the UGC Act.

Consideration of this item was postponed.

Item No. 31: To consider certain establishment matter of the UGC.

Request from Shri M. Achuthan, Staff-Car-Driver for alteration of his date of birth in the office record.

The Commission in view of the circumstances of the case as represented by Shri M. Achuthan, Staff-Car-Driver, and the affidavit filed by him, agreed, as a special case, that the date of his birth recorded in his service book in the University Grants Commission may be altered to 16th November, 1923.

Item No. 32: To note the date and place for the next meeting of the Commission.

It was noted that the next meeting of the Commission will be held on April 29, 1976.

p.t.o.

Item No. 33: To consider the Budget Estimates for 1976-77 under Plan.

The Commission noted the provision that may be available to the Commission under plan during 1976-77 and desired that the draft budget estimates may be referred to a committee of the Commission for consideration.

Item No. 34: To receive the Annual Accounts of the University Grants Commission for the year 1972-73 as presented to the Parliament under Section 19(4) of the UGC Act, 1956.

The Commission approved the replies to the audit objections on the annual accounts of the UGC for the year 1972-73 as given in Appendix XIV.*

Item No. 35: To consider the question of establishment of a National People's University (Open University).

The Commission welcomed the proposal of the Ministry of Education and Social Welfare for setting up of a National People's University (Open University) on the lines indicated in the note.

Item No. 36: To consider the question of revision of rates of Scholarships payable to National Scholars appointed under the scheme of Centre of Advanced Study.

The Commission agreed that the value of the scholarships may be revised as follows with effect from the next academic year:

- (a) Scholarships instituted by the UGC for pursuing M.A./M.Sc. courses :- From Rs.150 per month to Rs.250/- per month.
- (b) Scholarships for honours courses instituted by the UGC :- From Rs.100 p.m. to Rs.150 p.m.

*Not enclosed.

p.t.o.

In this connection, the Commission desired that the question of awarding scholarships at the honours and master's degree level in Arabic, Persian, Sanskrit and Pali may be reviewed. With regard to the proposal from the Delhi University to increase the value of M.Litt. scholarships from Rs.250 p.m. to Rs.400 p.m., the Commission desired that it may be ascertained in the first instance if the M.Litt. course was in the nature of M.Phil. course as now defined by the Commission. If it be so, the value of the scholarships may be raised to Rs.400 per month.

.....

(R.K. Chhabra)
Secretary

(Satish Chandra)
Chairman

Appendix III to item No.7

Facilities approved by the Commission for Centre of
Advanced Study in History, Aligarh Muslim University
for the period ending 1978-79.

.....

- (a) Post of One Professor, three Readers and two Lecturers. The post of Professor may be either in general medieval history or history of 18th century, while the post of Readers should be in (i) Central Asian History; (ii) Economic History and (iii) Regional History like Rajasthan/Deccan. One of the lecturer's post should be in medieval Archaeology and the other in any field of general Medieval History.
- (b) Two research associates as per UGC rules for undertaking various studies which the Centre proposes to undertake.
- (c) Two technical assistants (one of whom may be draftsman and the other archaeological assistance) for developing medieval archaeology.
- (d) Suitable assistance for employing part-time teachers for undertaking courses in languages.
- (e) Annual grant of Rs.15,000/- for exploration and excavation work.
- (f) A grant of Rs.30,000/- p.a. for organising regional workshops every year for University and college teachers in medieval Indian History from all over the country.
- (g) A grant of Rs.9,000/- p.a. for Seminars, travel and visiting fellowships over and above Rs.21,000/- p.a. already made available for this purpose.
- (h) A grant of Rs.10,000/- p.a. for books and journals over and above Rs.10,000/- already provided for this purpose.
- (i) A grant of Rs.15,000/- p.a. for publication over and above Rs.5,000/- p.a. to enable the Centre to undertake publication of monographs, texts and atlases.
- (j) A grant of Rs.5,000/- for contingencies over and above Rs.5,000/- already provided for the purpose.
- (k) A non-recurring grant of Rs.30,000/- for equipment including, a scanner and cartographic equipments and Rs.15,000/- for essential books and journals over and above Rs.15,000/- for books and Rs.5,000/- for equipment already sanctioned as basic grant during the Fifth Plan period.

Appendix IV to item No.8

Facilities approved by the Commission for Centre of Advanced Study in Economics, Bombay University for the period ending 1980-81.

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RECURRING

1. Research Associate - 1
2. Documentation Officer - 1
3. Visiting Fellows (@Rs.15,000/- p.a.)
4. National Scholarships-4 every year tenable for 2 years
5. Jr. Research Fellowships - 4 every year tenable for 3 years.
6. Teacher Training Fellowships-3 every year tenable for 2 years
7. Sr. Research Fellows-2.
8. Research Assistant - 1 (including Statistical assistance)
9. Publication (@ Rs.10,000/- p.a.)
10. Travels (Rs.5,000/-p.a.)
11. Seminars (Rs.7,500/- p.a.)
12. Contingencies (Rs.5,000/- p.a)

NON-RECURRING

Books & Journals - Rs.50,000/-

Appendix V to item No.9.

Facilities approved by the Commission for Centre of Advanced Study in Economics, University of Delhi for the period ending 1978-79.

.....

Recurring:

(a) Professor of Transport Economics - May be put on a regular basis under the maintenance grant of the university after the end of the fifth plan.

(b) Research Associates & National Scholarships (as in the 4th Plan)

Non-Recurring.

(a) Books	Rs.2,00,000/-
(b) Library Building.	Rs.1,00,000/-
(c) Visiting Fellows	Rs. 75,000/- (For the period ending 1978-79)

.....

Appendix VI to item No.10

Facilities approved by the Commission for Centre of Advanced Study in Economics, University of Poona for the period ending 1980-81.

.....

Recurring.

1. Reader - 2
2. Lecturer - 2
3. Research Associates - 2

Non-Recurring:

- | | |
|----------------------------------|---------------|
| 1. Extension of Library building | Rs.1,00,000/- |
| 2. Library Furniture | Rs. 20,000/- |
| 3. Books & Journals | Rs.1,50,000/- |

Appendix VII to item No.11

Facilities approved by the Commission for Centre of Advanced Study in Linguistics, Annamalai University for the period ending 1980-81.

.....

1. Professor - 1
2. Reader - 1
3. Visiting Professor - 1
4. Documentation Officer - 1 (for the Library)
5. Books and Journals Rs.1,50,000/-
6. Publication Rs. 30,000/-

Appendix VIII to item No. 12

Facilities approved by the Commission for Centre of Advanced Study in Sanskrit, University of Poona for the period ending 1980-81.

.....
RECURRING.

Reader - 2
Research Associates- 4
Jr. Research Fellows - 2
Sr. Research Fellows - 2
National Scholarships - 2

NON-RECURRING

Books - Rs. 50,000/-
Publication - Rs. 1,00,000/-
Equipment
(duplicator gestetner if no
duplicator is available)... - Rs. 10,000/-
Visiting Teachers & Visiting
Fellows. - Rs. 50,000/- (For the period
ending 1980-81).

Appendix VII to item No.11

Facilities approved by the Commission for Centre of Advanced Study in Linguistics, Annamalai University for the period ending 1980-81.

.....

1. Professor - 1
2. Reader - 1
3. Visiting Professor - 1
4. Documentation Officer - 1 (for the Library)
5. Books and Journals Rs. 1,50,000/-
6. Publication Rs. 30,000/-

Appendix VIII to Item No. 12

Facilities approved by the Commission for Centre of Advanced Study in Sanskrit, University of Poona for the period ending 1980-81.

.....

RECURRING.

Reader - 2
Research Associates- 4
Jr. Research Fellows - 2
Sr. Research Fellows - 2
National Scholarships - 2

NON-RECURRING

Books - Rs. 50,000/-
Publication - Rs. 1,00,000/-
Equipment
(duplicator gestetner if no
duplicator is available).... - Rs. 10,000/-
Visiting Teachers & Visiting
Fellows. - Rs. 50,000/- (For the period
ending 1980-81).

Appendix IX to item No.13

Facilities approved by the Commission for Centre of Advanced Study in Sociology, Delhi University for the period ending 1978-79.

.....

Recurring

1. Research Associates - 2
2. Jr. Research Fellowships (upto a maximum of 4 per yr.)
3. National Scholarships (2)
4. One Scholarship for B.A. (Hons.)
2 scholarships for M.A., one scholarship for M.Litt. and one scholarship for Ph.D. till the end of 1978-79 for N.E.H.A. Programme.
5. Steno-typist - 1
6. Seminars, visiting fellows and visiting professorships (including NEHA Programme). Rs. 30,000/- p.a.
7. Field work/Research Projects Rs. 15,000/- p.a.
8. Books and Journals Rs. 20,000/- p.a.

NON-RECURRING.

- a) Furniture for the Centre Rs. 5,000/-
- b) Books & back numbers of important journals Rs. 1,00,000/-

Appendix X to Item No.25

Programmes of academic collaboration between the
Universities in India and U.K. under IBUC

(a) Department of Botany, Calcutta University and Queen Mary College,
University of London/Department of Botany, University of Nottingham, U.K.

- (1) The duration of the programme will be five years.
- (2) Exchange of visits of three scientists per year from India to U.K. and vice-versa.
- (3) The period of stay of a senior scientist would not exceed four weeks and for junior scientist three months. The longer programme is required for detailed acquaintance with and experience of any particular specialised methodology or instrumentation and collection of material from endemic conditions for further stay. The shorter programme will involve holding of seminars and discussions, acquaintance with specialised technology and exchange of observations on the topic concerned.
- (4) Visitors on longer programme may include technical personnel as well.

(b) Department of Metallurgical Engineering, -BHU and Department of
Metallurgy, University of Sheffield (U.K.).

- (1) The programme will be of the duration of five years.
- (2) The programme would involve exchange of academic staff about five on either side over a five year period.
- (3) Roughly half of the visits would be of the duration of 2-12 weeks primarily for the exchange of ideas and to a limited extent for experimental work. The other half of the visits may be of the duration of 3-12 months mainly to prosecute researches in one specified area.
- (4) The short and long visits over the five year period would involve 40-man months at Sheffield and 20-man months at Varanasi.
- (5) A limited number of exchange visits for 25-man days each over the five year period on both sides may also be provided for British/Indian Scientists, who may happen to visit the host, or neighbouring countries in some other connections. Such visits would involve only local hospitality.
- (6) During 1976, the following visits would materialise :-
 - (i) Long visit by Dr. S.N.Tiwari, Reader in Process Metallurgy to Sheffield for one year for work in Solidification.
 - (ii) Short visit by Dr. K.A. Padmanabhan, Reader in Physical Metallurgy to Sheffield for 12 weeks for studies on Mechanical Working.

(iii) Short visit by Dr. C.M. Sellers, Reader in Metallurgy, to Varanasi for 12 weeks for studies on Mechanical Working.

Provision for support for the research expenses of visiting scientists and for the occasional necessity to transfer experimental material between the two departments annual allocation of funds- \$ 500 from U.K. side and Rs.10,000/- from the Indian side to pay for the cost of materials and their transport between the two centres.

- (7) Visits of students of the two departments to the other country from six months a year during the course of their Ph.D. works - two visits in each direction by research students.
- (8) Visit of a senior technician from Varanasi to Sheffield for a period of 3-6 months if the Department of Metallurgical Engineering, B.H.U. decides to automate their analytical facilities by the installation of a direct reading spectrograph or the equipment for X-ray fluorescence analysis.

Appendix XI to Item No. 27

Assistance approved by the UGC for setting up
a PG Centre at Agartala (Calcutta University)
All figures are in lakhs of rupees.

.....

<u>S.No.</u>	<u>Department</u>	<u>Staff</u>	<u>Books</u>	<u>Equipment</u>	<u>Misc.</u>
1.	Chemistry	1P, 2R, 3L, 2TA & Part-time experts.	0.75	3.00	
2.	Life Sciences	1P, 2R, 3L, 2TA	0.75	5.00	
3.	Mathematics	1P, 2R, 2L	0.75	0.50	
4.	Economics	1P, 1R, 2L, 1TA	0.25	0.25	
5.	Bengali	1P, 1R, 2L, 1F; S. Asstt.	0.25	-	
6.	Central Library	1. Asst. Librarian 2 Prof. Assts.	1.00	-	
7.	Workshop Seminars.	-	-	-	0.50
8.	Transport Facilities	-	-	-	0.75
9.	Use of research facilities by teachers at other places.	-	-	-	0.50
		<hr/> 5P, 8R, 12L 6 others and 3 Lib. staff.	<hr/> 3.75	<hr/> 8.75	<hr/> 1.75

A.P. SINGH UNIVERSITY

V Plan allocation approved (UGC Share).

Spill over 1.50 lakhs
Basic Grants (Books) 1.00 lakhs

New Allocation

(i) NR

Books & Journals 10.00 lakhs
Equipment 12.00 lakhs
Building 23.30 lakhs
Others 0.50 lakhs

(ii) RECURRING

Staff

Professors 3
Readers 7
Lecturers 10
Others 3

Junior Research Fellowships = 10(Ten) at any given time
@ Rs.400/- p.m.

Details are given in Annexure I to V.

Annexure I.

Allocation for Equipment.

Department

1. Economics 20,000/-
2. Environmental Biology 6,50,000/-
3. Super Neutron Unit. 2,00,000/-
4. Department of
Physics. 3,00,000/-
5. Language Laboratory 30,000/-

12,00,000/-

Annexure II.

Allocation for Books & Journals.

Department

Central Library Rs.10,00,000/-
(This is in addition to Rs.1,00,000/-
sanctioned as basic grant).

Annexure - III

Allocation for Building.

1. Central Library including furniture & fittings.	6,50,000/-
2. Departments of Environmental Biology.	5,00,000/-
3. Specialised Lab. fittings and furniture.	75,000/-
4. Students Home	1,24,000/-
5. Guest House.	81,000/-
6. Men's Hostel for 50 Students	2,50,000/-
7. Staff quarters (4)	1,50,000/-
8. Department of Physics.	5,00,000/-
	<hr/>
	23,30,000/-
	<hr/>

Annexure IV

Others Schemes.

Visiting Professorships Rs. 50,000/-

Annexure V.

Details of staff approved.

1. Department of Economics. P-1, R-1, L-2.
2. Department of Environmental Biology. P-1, R-4, L4, Tech. Asstts. -3
3. Super Neutron Unit L-1
4. Department of Physics. P-1, R-2, L-3.

N.B.

P Professor
R Reader
L Lecturer
Tech. Asstt. Technical Assistant.

Appendix to Item No. 28

BHOPAL UNIVERSITY

Fifth Plan allocation approved (UGC Share)

Spill over 10.40 lakhs

Basic grants

Books 1.00 lakhs

Equipment 0.60 lakhs

New Allocations.

NON-RECURRING

Books 4.50 lakhs

Equipment 6.00 lakhs

Buildings 7.00 lakhs

Others 2.40 lakhs

Recurring

Staff.

Professors 3

Readers 8

Lecturers 8

Others 7

Details are given in Annexure I to V.

Annexure I.

Allocation for Equipment.

Departments.

Bio-Sciences 3,00,000/-

Regional Planning &
Economic Growth. 25,000/-

Deptt. of Modern
Arabic & Persian 25,000/-

Central Workshop 2,50,000/-

6,00,000/-

Annexure II.

Allocation for Books.

Bio-Sciences 1,00,000/-

....2/-

-:2:-

Regional Planning & Economic Growth	75,000/-
Deptt. of Modern Arabic & Persian	75,000/-
Central Library	2,00,000/-
	<hr/>
	4,50,000/-

Annexure III

Allocation for Building/Furniture.

Department.

Bio-Sciences.	2,50,000/-
	1,00,000/-
	(Animal House).
Central Workshop	1,00,000/-
Humanities Block	2,50,000/-
	<hr/>
	7,00,000/-

Annexure IV.

Others Schemes.

Central Workshop	10,000/- (Contigencies)
Faculty Improvement Programme.	2,00,000/-
Visiting Faculty	30,000/-
	<hr/>
	2,40,000/-

Annexure V.

Staff

Departments

Bio-Sciences	1P, 4R, 4L, 2 T.A. (including 1P, 2R already approved)
3/-

Regional Planning and Economic Growth.	1P,2R,2L (including 1P,2R already approved)
Deptt. of Modern Arabic and Persian	1P,2R,2L
Central Workshop	4. T.A.
Central Library	1 T.A.
	<hr/>
	3P,8R,8L,7T.A.
	<hr/>

N.B.

- P = Professor
- R = Reader.
- L = Lecturer
- TA= Technical Assistant.

Appendix to Item N .28

INDIRA KALA SANGEET VISWAVIDYALAYA

V Plan allocation approved (UGC Share)

Spill-over 7.41 lakhs

Basic Grants

Books 0.72 lakhs

New Allocation

(i) NON-RECURRING

Books	3.00 lakhs
Equipment	5.15 lakhs
Buildings	7.90 lakhs
Others	1.00 lakhs

(ii) RECURRING

Staff

Professor	1
Readers	3
Lecturers	7
Others	9

Junior Research Fellowships = 2(Two at any given time @ Rs.400/- p.m.)

Details are given in Annexure I to V.

Annexure I.

Allocation for Equipment

Department

Musical Instruments	10,000/-
Tools & materials for servicing	10,000/-
Drama Equipment (Dress, decoration, lights, stage, green-room etc.)	2,50,000/-

....2/-

Painting	75,000/-
Folk Music & Art	1,50,000/- (including cost of Jeep)
Physics of Sound	20,000/-
	<hr/>
	5,15,000/-
	<hr/>

Annexure II.

Allocation for Books & Journals Rs. 3,00,000/-

Annexure III.

Allocation for Buildings.

Auditorium	5,00,000/-
Staff quarters (4)	50,000/-
Girls Hostel	2,40,000/-
	<hr/>
	7,90,000/-
	<hr/>

Annexure IV

Others Schemes

Refresher Courses/Workshop	50,000/-
Visiting Professorship	50,000/-
	<hr/>
	1,00,000
	<hr/>

Annexure V

Staff approved.

Department.

Music	1P
Vocal Music	1L , 1T.A.
Orchestration & Group Singing	1L
Instrumental Music	2L (Sitar & Violin) 1F.I., 2 Tech., 1F.I.
Kathak Dance	1R, 1L, 1T.A.
Musicology	1L
Folk Music & Art	1R, 1R. A. 1A. V. Technician; 1Driver . . .
Painting	1R
Hindi.	1L
<u>N.B.</u>	
P = Professor	
R = Reader	
L = Lecturer.	
TA = Tabla Accompanist	
Tech. = Technician	
FI = Flute Instructor.	
RA = Research Assistant.	
TI = Tabla Instrumentor.	

HI
Appendix to Item No. 28

INDORE UNIVERSITY

V Plan Allocation Approved (UGC Share).

Spill-over 3.98 lakhs

Basic Grants.

i) Books 3.00 lakhs
ii) Equipment 5.00 lakhs

New Allocation

(i) NR.

Books & Journals 7.00 lakhs
Equipment 8.45 lakhs
Building 11.40 lakhs
Others 10.15 lakhs

ii) RECURRING.

Staff

Professor 7
Readers 9
Lecturers 17
Others 9

Junior Research Fellowships = 20 (Twenty) at any given time
@ Rs. 400 p.m.

Details are given in Annexures I to V.

Annexure-1

Allocation for Equipment

Department

Physics 2,00,000/-
Chemistry 3,00,000/-
Maths & Stat 50,000/-
Bio-Sciences 2,50,000/-
Economics 20,000/-
Library 25,000/-

8,45,000/-

.....2/-

Annexure II.

Books and Journals Rs.7,00,000/-

Allocation for Building & Furniture

Annexure III

Department

Library 4,00,000/-
Printing Press 1,00,000/-
Airconditioning & Furniture for Central Instruments 50,000/-

Workshop Shed 50,000/-
Cycle shed 15,000/-
Staff Quarters - 6 Unit 1,00,000/-
Chemistry 2,50,000/-
Physics - Furniture 10,000/-
Mathematics & Stat Furniture. 10,000/-
Economics-Furniture 5,000/-
Botanical Garden, Glass House, Tanks etc. 1,50,000/-

11,40,000/-

Annexure IV

Others Schemes
Departments.

1. Central Instruments

- a) Staff 1 Engineer, 3 Technician
1 Artist, 1 Glass Blower
b) Equipment Rs.6.00 lakhs.

2. Central Workshop

- a) Staff Mechanic=4
b) Equipment Rs.1.50 lakhs.

3. Visiting Professor- 1.00 lakhs.
ships.

Annexure V

Staff

Details of Staff

Department

Library	Tech. Asstt.-1, Jr. Professional
Physics	1P, 2R, 4L, 1Tech.
Chemistry	*1P, +2R, 3L, 2Tech.
Math. & Stat.	**2P, 2R, 4L.
Bio-Sciences	1P, 4L, 2R, 3Tech.
Economics	1P, 2L, 1R.
Social Studies	1P, 1L Research Associate.
Centre.	

7P, 9R, 17L, 9 Others.

(Staff indicated under Priority I and II are inclusive of staff already approved by the Commission during V Plan)

- * Analytical/Theoretical Chemistry
- + Organic/Inorganic
- ** 1 each in Maths and Statistics.

N.B.

.....

- P = Professor
- R = Reader
- L = Lecturer
- O = Others.

JIWAJI UNIVERSITY

Fifth Plan allocation approved (UGC Share)

Spill over 3.87 lakhs

Basic Grants.

Books 3.00 lakhs

Equipment 5.00 lakhs

New Allocations.

NON-RECURRING

Books 9.70 lakhs

Equipment 12.00 lakhs

Buildings 4.26 lakhs

Others 5.10 lakhs

RECURRING

Staff

Professors 5

Readers 2

Lecturers 15

Others 4

Junior Research Fellowships = 10 (Ten) at any given time
@ Rs. 400 p.m.

Details are given in Annexures I to V.

Annexure I.

Allocation for Equipment

Department

Botany 2,25,000/-

Chemistry 2,25,000/-

Zoology 2,25,000/-

Physics 2,25,000/-

Economics. 20,000/-

Mathematics. 20,000/-

Central Library 10,000/-

Central workshop 2,50,000/-

12,00,000/-

Annexure II.

Allocation for Books.

...2/-

-:2:-

Hisotory	50,000/-
Botany	1,50,000/-
Zoology	1,50,000/-
Chemistry	1,50,000/-
Physics	1,50,000/-
Economics	60,000/-
Mathematics	60,000/-
Central library	2,00,000/-
	<hr/>
	9,70,000/-
	<hr/>

Annexure III

Allocation for Building & Furniture.

Departments.

Economics.	30,000/-
Mathematics	30,000/-
Central Workshop	1,00,000/-
Men's Hostel	2,66,000/-
	<hr/>
	4,26,000/-
	<hr/>

Annexure IV.

Others Schemes.

History	1,00,000/- (Museum)
Botany	1,60,000/-
(Herbarium-0.85	
Botanical Garden-0.65,	
Field Trips-0.10).	
Zoology	1,60,000/-
(Zoology Museum-0.85,	
Animal House-0.65,	
Field Trips-0.10).	
Central Workshop	10,000/- (Contingencies)
Faculty Improvement Prog. ramme	50,000/-
Visiting Faculty	30,000/-
	<hr/>
	5,10,000/-
	<hr/>

....3/-

Annexure V

Staff

Botany	1P, 2L	
Zoology	1P, 2L	
Chemistry	1R, 3L	
Physics	1R, 2L	
Economics	1P, 2L	
Mathematics	1P, 2L	
Central Workshop		4 Tech. Staff
Commerce (New Department)	1P, 2L	

2R, 5P, 15L, 4 Others

N.B.

P = Professor
R = Reader
L = Lecturer
Tech. Technicians.

Appendix to Item No.28

RAVI SHANKAR UNIVERSITY

Fifth Plan allocation approved (U.G.C. share).

Spill over = Rs.6.24 lakhs

Basic grants

Books = Rs.3.00 lakhs

Equipment = Rs.5.00 lakhs

New Allocations.

Non-Recurring.

Books = Rs.9.70 lakhs

Equipment = Rs.12.05 lakhs

Buildings = Rs.4.50 lakhs

Others = Rs.1.00 lakhs

Recurring.

Staff

Professors = 4

Readers = 6

Lecturers = 11

Others = 14

Junior Research Fellowships = 20 (Twenty) at any given time @ Rs.400/- p.m.

Details are given in Annexure 1 to V.

Annexure I.

Allocation for Equipment.

Departments.

1. Physics. 2,25,000/-

2. Chemistry 3,00,000/-

3. Central Facilities

a) Central

Workshop 1,00,000/-

b) Gas Plant etc. 1,00,000/-

c) Photographic Lab. 30,000/-

4. Biological

Sciences 2,00,000/-

-:2:-

5. Statistics	30,000/-
6. Library	50,000/-
7. Physical Education.	10,000/-
8. Geography	30,000/-
9. Anthropolgy	20,000/-
10. Sociology	40,000/-
11. Linguistics	20,000/-
12. Psychology	30,000/-
13. Economics.	15,000/-
14. History	5,000/-

12,05,000/-

Books

Department

Physics	1,50,000/-
Chemistry	2,50,000/-
Mathematics	50,000/-
Bio-Sciences	1,50,000/-
Central Library	1,25,000/-
Geography	40,000/-
Anthroplogy	40,000/-
Sociology	40,000/-
Economics	50,000/-
Linguistics	25,000/-
Psychology	25,000/-
History	25,000/-

9,70,000/-

Annexure III.

Allocation for Building

Department/Item

Mathematics.	
Bio-Sciences	1,00,000/-
Workshop Shed	50,000/-
Staff Quarters	1,00,000/-
Boys Hostel	1,00,000/-
Class room furniture..	50,000/-
Botanical Garden & Museum	50,000/-

4,50,000/-

....3/-

Annexure IV

Others

Visiting Professorships 1,00,000/-

Annexure V.

<u>Department.</u>	<u>Details of staff approved:</u> <u>Post.</u>
Geography	1L, 1R, 1 T.A.
Anthropology	1L, 1 T.A.
Sociology	1L, 1R, 1T.A.
Linguistics	1P
Psychology	1R
Physical Edn.	1L
Library	2P Asstt.
Mathematics	1P, 2L, 1 T.A.
Bio-Sciences	1P, 1R, 2L
Economics	1P
Physics	1R, 1L, 1 Tech.
Chemistry	1R, 1L
History	1L
Central Facilities	1 Supervisor, 6 Tech.

P = Professor

R = Reader

L = Lecturer

TA = Technical Assistant.

P,Asst. = Professional Assistant.

Tech. = Technician.

SAUGAR UNIVERSITY, SAGAR

V Plan allocation approved (UGC Share)

Spill over 10.02 lakhs (including additional cost of Rs.2.69 lakhs for buildings approved during 4th Plan)

Basis grant

Books 3.00 lakhs
Equipment 7.00 lakhs

New Allocations:

NON-RECURRING

Books & Journals 15.00 lakhs
Equipment 18.12 lakhs
Building 21.55 lakhs
Others 4.77 lakhs

RECURRING

Staff

Professors 10
Readers 16
Lecturers 15
Others 17

Junior Research Fellowships = 25 (twenty five) at any given time @ Rs.400/- p.m.

Details given in Annexure I to V.

Allocation for Equipment

Annexure I.

Applied Geology	1,00,000/-
Physics	2,00,000/-
Maths & Stat	50,000/-
Chemistry	3,00,000/-
Criminology	25,000/-
Botany	1,00,000/-
Anthropology	20,000/-
English	20,000/-
Hindi	6,000/-
Linguistics	10,000/-
Economics	10,000/-

Psychology	25,000/-
Pol. Science	6,000/-
Commerce	10,000/-
Fine Arts	25,000/-
Central Instruments	7,50,000/-
Central Library	55,000/-

18,12,000/-

Annexure II.

Allocation for Books & Journals 15.00 lakhs

Annexure III.

Allocation for Building.

Central Instruments	2,00,000/-
Workshop Shed	60,000/-
Physics	20,000/-
Chemistry	1,50,000/-
Criminology	1,50,000/-
Botany	1,25,000/-
Zoology	1,25,000/-
Anthropology	60,000/-
Ancient History	25,000/-
Water Tank	1,00,000/-
Warden Quarters	40,000/-
Boy's Hotel	5,00,000/-
Common Lecture Theatres	5,00,000/-
Students day home	1,00,000/-

21,55,000/-

Annexure IV.

Others Schemes

i) Scholarships 10 (Ground water Geology)	1,00,000/-
ii) Museum and Herbarium	40,000/-
iii) Botanical Garden Special fitting for	50,000/-

.....3/-

iv) Zoological Museum	15,000/-
v) Collection of Manuscripts	35,000/-
vi) Publication grant	12,000/-
vii) Bus	1,25,000/-
viii) Visiting Professorships	1,00,000/-
	<hr/>
	4,77,000/-

Annexure V.

Staff.

Department.

Applied Geology	1R, 1P (Ground water Geology) 1 Tech.
Physics	1P (Solid State), 1R (X-Rays)
Maths & Stat.	1P (Statistics), 2L
Chemistry	1P (Physical/Inorganic/Analytical) 1R (Organic, 2 Tech.)

Staff.

Departments.

Criminology	1R, 1T.A.
Botany	1P*, 1R*, 1L, 2 T.A.
Zoology	1P (Reproductive Physiology Endocrinology Developmental Physiology Fish and Fishery).
Anthroplogy	1R, 1TA, 2L 1R (<u>Cytogenetics</u>) Social Biology 1L
Law	1P
Yogic Studies	1L
English	1P (Language Teaching), 1R (Comparative Esthetics.)

Hindi	2L
Sanskrit	1R (Pali)
Urdu & Persian	1L, 2R
Linguistics	1R
Philosophy	1P (Indian Philosophy)
Library Science	1R
Ancient History	1R (Arts & Architecture Archaeology)
History	1R (Medieval).
Economics	1TA, 1R (Maths-Economics), 1L Econometrics.
Psychology	2L, 1TA
Political Sc.	1P (Public Administration).
Commerce	1R (Accountancy) 1L
Fine Arts	1L, 2 Instructors.
Central Instruments	1 Engineer, 1 Foreman, 4 Tech.

10P, 16R, 15L, 7Tech., 6TA, 1Engineer,
2 Instructors, 1 Foreman),

N.B.

P = Professor
R = Reader
L = Lecturer
Tech = Technician
TA = Technical Assistant.

* Cytogenetics/Organism Physiology/Cell
Molecular biology.

Appendix to Item No. 28.

VIKRAM UNIVERSITY, UJJAIN.

Fifth Plan allocation approved (UGC Share).

Spill over 1.46 lakhs.

Basic grants.

Books 3.00 lakhs
Equipment 5.00 lakhs
Misc. 0.29 lakhs

NEW ALLOCATION

NON-RECURRING

Books & Journals 10.25 lakhs
Equipment 13.20 lakhs
Buildings 4.63 lakhs
Others 5.55 lakhs

RECURRING

Staff

Professors 5
Readers 8
Lecturers 9
Others 19

Junior Research Fellowships = 15 (Fifteen) at any given time @ Rs.400/- p.m.

Details are given in Annexures I to V.

Annexure I.

Allocation for Equipment.

Departments.

1. Physics	3,00,000/-	
2. Mathematics	20,000/-	
3. Statistics	50,000/-	
4. Chemistry	1,50,000/-	
5. Zoology	2,00,000/-	
6. Botany	2,50,000/-	(including air-conditioning)
7. Geology	1,50,000/-	
8. Economics	20,000/-	
9. Pol.Sciences	20,000/-	
10. History	50,000/-	(Equipment for Archeological excavation).

11. Library Science	20,000/-
12. Central Workshop	50,000/-
13. Central Library	15,000/-
14. University's Press	25,000/-
	<hr/>
	13,20,000/-

Annexure II

Allocation for Books & Journals.

Department.

1. Physics	1,00,000/-
2. Mathematics	75,000/-
3. Statistics	75,000/-
4. Chemistry	1,00,000/-
5. Zoology	1,00,000/-
6. Botany	1,00,000/-
7. Geology	50,000/-
8. Sanskrit	30,000/-
9. English	30,000/-
10. Hindi	30,000/-
11. Economics	40,000/-
12. Pol. Science	40,000/-
13. History	30,000/-
14. Library Science	25,000/-
15. Central Library	2,00,000/-
	<hr/>
	10,25,000/-

Annexure III.

Allocation for Building/Furniture.

Department.

Mathematics	50,000/- (including Stats.)
Zoology	50,000/-
Botany	25,000/-
Geology	13,000/-
Central Workshop	1,00,000/-
University's Press	25,000/-
Staff Quarters	2,00,000/-
	<hr/>
	4,63,000/-

Annexure. V.

Other Schemes.

Zoology (Animal House 0.60, Museum Rs.0.50)	1,10,000/-
Botany (Botanical Garden 0.50, Harbarium/Museum 0.75)	1,25,000/-
Ancient History(Museum equipment & functioning, Audio visual aids & Arts objects.	1,00,000/-
Scindia Instt.	20,000/- (Pub.)
Faculty Improvement	1,00,000/-
Use of outstation Research facilities.	50,000/-
Visiting Faculty	50,000/-
	<hr/>
	5,55,000/-
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Annexure V.

Staff.

Physics	1L, 1R, 1T.A.
Mathematics	1L
Statistics	1P
Chemistry	2L, 1R, 1T.A.
Zoology	2L, 1R, 1 Animal Keep
Botany	1L, 1R, 1T.A.
Geology	1R, 1T.A.
Sanskrit	1P, 1R.A.
English	1P,
Hindi	1R
Economics	1P, 1L
Courses in Environ- mental Science in Zoology Deptt.	1R
Course in Industrial Chemistry in Chemistry Department	1R
Central Workshop Pol. Science.	1 foreman, 2 T.A. 1P, 1L

Scindia Instf.	3 T.A.
Ancient History	1 Mus. Keep.
Central Instrumentations Lab.	6 Others.
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	5P, 8R, 9L, Others 19.

N.B.

P = Professor

R = Reader

L = Lecturer

O = Others.

TA = Technial Assitant.

RA = Research Assistant.

UNIVERSITY GRANTS COMMISSION

Meeting: 29th April, 1976

Item²(a) To approve the action taken on Certain matters

-
- (1) Grants-in-aid released for construction of non-functional building at Allahabad University.
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The University Grants Commission approved the construction of staff quarters for Class IV staff at Allahabad University at an estimated cost of Rs.2,01,794/- on usual sharing basis during the fourth plan period. The approval was conveyed to the university vide letter dated 16.2.1973. Subsequently, on 1.8.1973 the Government of India imposed a ban for one year i.e. 1973-74 on construction of non-functional building as an economy measure.

The university vide its letter dated 13.11.1973 approached the University Grants Commission to lift the ban as all formalities for construction purposes were completed by the university. After careful examination, the university was allowed vide letter No.F.59-4/70(CU/D-2a) dated 21.11.1973 to proceed with the construction work on the specific condition that the university would utilise the matching share of the project from the State Government in the first instance and would approach the University Grants Commission for funds in the fifth plan. This was done on the presumption that the ban would be lifted in 1974-75. However, the Government of India did not do so, but in the meantime, the university had already incurred expenditure amounting to Rs.1,18,400/- upto 31st May, 1974 on the project. The withholding of the grants (UGC share) would have thus resulted in waste of money and delay in the completion of the project. To avoid this loss, grants were released to the Allahabad University from 1974-75 onwards, so as to enable it to complete the project and put the building to use.(vide orders dated 28.3.1976.)

2. Proposals of Colleges under Rs.5 lakhs scheme

The following proposals of colleges have been approved by the Commission for financial assistance under Rs.5 lakh scheme during the 5th Plan period.

Sr.No.	Name of the College	Purpose	Estimated cost	UGC share
<u>Avadh University</u>				
1.	B.N.K.B. Degree College, Akbarpur	Books & Journals Equipment	Rs.26,000/- Rs.31,000/-	Rs.19,500/- Rs.23,250/-

S.No.	Name of the College	Purpose	Estimated cost	UGC share
<u>Banaras Hindu University</u>			Rs	Rs
2.	Vasanta College for Women, Varanasi.	Books Equipment	Rs.80,000/- Rs.48,000/-	Rs.60,000/- Rs.36,000/-
<u>Gorakhpur University</u>				
3.	Jawahar Lal Nehru Degree College, Maharajganj.	Additional teaching accommodation (8 class-rooms)	Rs.2,16,470/-	1,44,313/-
4.	Lal Bahadur Shastri Smarak Degree College, Anandnagar, Gorakhpur.	Extension of class rooms. Library Building Equipment	1,79,444.06 31,104/- 52,846/-	1,19,629/- 20,736/- 39,635/-
5.	National Degree College, Barhalganj	Books Equipment	40,000/- 1,20,000/-	30,000/- 90,000/-
6.	Rattan Sen Degree College, Bansi (Basti)	Additional teaching accommodation	1,98,585/-	1,32,390/-
7.	Kisan Postgraduate College, Bahraich	Books Equipment	25,000/- 75,000/-	18,750/- 56,250/-
<u>Guru Nanak University</u>				
8.	D.A.V. College, Jullundur	Books & Journals	1,13,700/-	85,275/-
<u>Kanpur University</u>				
9.	Bipin Bihari Mahavidyalaya, Jhansi	Equipment	1,00,000/-	75,000/-
10.	A.N.D. Mahapalika Mahila Mahavidyalaya Kanpur.	Equipment Books	45,700/- 1,31,000/-	34,275/- 98,250/-
<u>Kurukshetra University</u>				
11.	Dev Samaj College for Women, Ambala.	Books & Journals	43,000/-	32,250/-

3. Berhampur University-Construction of Teachers Hostel-
12 Teachers Quarters-Fifth Plan Scheme

The U.G.C. fifth Plan Visiting Committee which examined the requirements of Berhampur University recommended assistance of Rs.1,75,000/- (i.e. 50% of Rs.3,50,000/-) for the construction of Staff Quarters (i.e. 10 Lecturers' quarters) under 3rd priority. In view of the limited resources available with the Commission, this proposal could not be accepted by the Commission. In December, 1975, the Berhampur University requested the Commission that it may be permitted to undertake the construction of Teachers Hostel at an estimated cost of Rs.4,60,000/- in place of canteen building, workshop building, Herbarium (Botany Deptt.) and Animal House (Zoology Deptt.) approved by the Commission since the University was in urgent need of staff quarters. The proposal of the Berhampur University for the construction of Teachers Hostel has been accepted (No.F.19-4/74(D-3a) dated the 8th March, 1976) on 50:50 sharing basis, on the condition that the Commission's share for the purpose will be limited to Rs.2,30,000/- or 50% of the actual expenditure, whichever is less, and this amount will be met by the University from out of the provision already approved for the following items during the V Plan period:-

Sr.No.	Name of the building	Amount sanctioned (UGC's Share)
1.	Canteen Building	Rs.1,20,000/-
2.	Workshop Building	Rs. 50,000/-
3.	Herbarium (Botany Deptt.)	Rs. 10,000/-
4.	Animal House (Zoology Deptt.)	Rs. 50,000/-
		<u>Rs.2,30,000/-</u>

4. Bhagalpur University-construction of Superintendents'
Quarters in the hostels-5th plan.

In March, 1976 the Bhagalpur University sent a proposal for construction of 3 Superintendents Quarters at an estimated cost of Rs.47,554/- each - One each for the Postgraduate Men's Hostel, Postgraduate Women's Hostel & 2nd Men's Hostel. In support of the proposal, the University stated that the construction of quarters was necessary as no Senior teacher was willing to accept the Superintendentship of Hostels for want of suitable accommodation. The University further informed that their need was urgent & for supervision and management of hostels, senior teachers are to be persuaded to the Superintendentship of the hostels. Accordingly, the proposal of the Bhagalpur University for the construction of 3 Superintendents quarters at an estimated cost of Rs.1,42,662/- has been accepted

(F.9-4/76(D.3a) dated 30th March, 1976) on the condition that the assistance of the Commission for all the quarters will be limited to Rs. 71,331/- or 50% of the actual expenditure, whichever is less and that the assistance for this project will be within the 5th Plan allocation.

5. Burdwan University Grants-in-aid towards appointment of Trained Coaches - 5th Plan Period.

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The UGC Fifth Plan Visiting Committee which examined the 5th Plan proposals of the Burdwan University recommended the appointment of 2 trained coaches for providing training to students in the field of games and sports. However, in view of the limited resources available with the University Grants Commission, this could not be accommodated within the schemes accepted by the Committee for the current Plan period. In March, 1976, the Burdwan University informed the Commission that the necessity for the appointment of 2 Trained Coaches was being keenly felt and, therefore, requested the Commission to provide assistance towards the appointment of two trained coaches in the Fifth Plan period. Accordingly, the proposal of Burdwan university for the appointment of two trained coaches in the usual scale of pay has been accepted on the condition that the Commission will provide assistance towards the salary of these posts on 75:25 sharing basis upto the end of the 5th Plan period and thereafter these posts will be maintained by the University/State Government. The assistance will be provided for the purpose within the 5th Plan allocation of the University.

6. Basic grant - Calcutta University for the purchase of Library Books and Journals for the 5th Plan period : Enhancement of allocation.

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The Commission had allocated in the beginning of the Fifth Plan a basic grant of Rs. 5.00 lakhs to the Calcutta University for the purchase of Library books & journals for the 5th Plan Period and this amount has already since been released in full to the University. In February, 1976 the Calcutta University informed that the above mentioned Basic Library grant of Rs. 5.00 lakhs has almost been utilised, and requested the Commission to provide an additional basic library grant of Rs. 2.00 lakhs, pending finalization of the report of the Fifth Plan Visiting Committee which examined the Fifth Plan proposals of the University in September, 1975. The proposal of the University has been accepted and a grant of Rs. 2.00 lakhs for purchase of books and journals for various Humanities and Science departments has been approved raising the total 5th Plan basic allocation for Books from Rs. 5.00 lakhs to Rs. 7.00 lakhs.

7. Kalyani University-Sanction of an additional post of Lecturer for the Deptt. of Zoology-5th Plan period:

The UGC fifth Plan Visiting Committee which examined the 5th Plan requirements of the University of Kalyani recommended additional staff of one professor, two readers and two lecturers (i.e. one reader in first priority and one professor, one reader and two lecturers in the 3rd priority) for the Zoology Deptt. In view of the limited resources available with the Commission, the Commission agreed to provide post of one reader for the Zoology Department which was recommended by the Visiting Committee under first priority. In February, 1976 the Vice-Chancellor, Kalyani University requested the Commission to sanction an additional post of Lecturer for the Zoology Department for the fifth plan period. In support of this proposal the Vice-Chancellor informed that the additional post of lecturer was very badly needed in order to fulfil the teaching and research commitments and also that the progress of the department may not be hampered. Accordingly, the proposal of Kalyani University for the creation of an additional post of lecturer for the Department of Zoology has been accepted (No.F.4-3/76(D-3a) dated the 22nd March, 1976) on the condition that the U.G.C. will pay grant towards the salary of the above post on 75:25 sharing basis upto 31st March, 1981 and thereafter it will be the responsibility of the University/State Govt. to maintain the above post. The assistance will be provided for this purpose within the 5th Plan allocation of the University.

8. Development schemes for the Fifth Plan period-
Acceptance of additional schemes within the V Plan allocation in respect of the universities of Patna, Bihar and Magadh.

As per the general policy and in view of the limited resources available with the Commission for the V Plan period, the universities have generally been allocated grants upto 2/3rd of the ceiling on the basis of the recommendations of the V Plan Visiting Committees. In the case of the universities of Patna, Bihar and Magadh, the Commission had approved grants for books and equipment recommended by the V Plan Visiting Committee under priority-1. Grants for purchase of books, journals and equipment recommended by the Committee under 2nd priority ~~have~~ have now been generally approved in respect of the

Scindia Instt.	3 T.A.
Ancient History	1 Mus. Keep.
Central Instrumentations Lab.	6 Others.
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	5P, 8R, 9L, Others 19.

N.B.

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R = Reader

L = Lecturer

O = Others.

TA = Technial Assitant.

RA = Reséarch Assistant.

universities of Patna, Bihar and Magadh as per details given below, since the grants approved so far in respect of these universities were less than the 2/3rd of the ceiling fixed for these universities.

1. Patna University:

The Commission originally accepted the proposals of the Patna University amounting to Rs.119.965 lakhs against Rs.133 lakhs which is 2/3rd of the tentative allocation of Rs.2 crores fixed for the university. The Commission could provide further assistance to the extent of Rs.13.035 lakhs to the university. Additional grants of Rs.3.803 lakhs and Rs.5.44 lakhs for books and journals and equipment respectively, for the existing Science, Humanities and Social Sciences Departments during the V Five Year Plan have therefore been approved for the university. With this, the total allocation made so far for the Patna University would increase from Rs.119.965 lakhs to Rs.129.208 lakhs.

(2. Bihar University:

The Commission originally accepted the proposals of the Bihar University amounting to Rs.87.04 lakhs against Rs.100 lakhs which is 2/3rd of the tentative allocation of Rs.150/-lakhs fixed for this university. The Commission could provide further assistance to the extent of Rs.12.96 lakhs to the university. Additional grants of Rs.5.59 lakhs and Rs.3.65 lakhs for purchase of books and journals and equipment respectively for Science, Humanities and Social Sciences Departments, Central Workshop, Central library and language laboratory during the fifth Five Year Plan have therefore been approved for the university. With this, the total allocation made so far for the Bihar University would increase from Rs.87.04 lakhs to Rs.96.28 lakhs.

(3) Magadh University:- The Commission originally accepted the proposals of the Magadh University amounting to Rs.84.80 lakhs against Rs.100 lakhs which is 2/3rd of the tentative allocation of Rs.150 lakhs fixed for this university. The Commission could provide further assistance to the extent of Rs.15.20 lakhs to the university. Additional grants of Rs.5.17 lakhs and Rs.3.68 lakhs for purchase of books, journals and equipment respectively for the Science, Humanities and Social Sciences Departments, Central Workshop and Central Library during the V Five Year Plan have therefore been approved for the University. With this the total allocation made so far for the Magadh University would increase from Rs.84.80 lakhs to Rs.93.65 lakhs.

- .9: Utkal University - Installation of Air Conditioning in the Central Library - 5th Plan Scheme - Additional grant.

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On the recommendations of the UGC Fifth Plan Visiting Committee, the Commission agreed to provide a grant of Rs.20,000/- on 100% basis to the Utkal University for the installation of Air-conditioning in the Central Library for keeping the valuable manuscripts and rare books etc. In January, 1976 the Utkal University informed that the quantity of materials to be preserved in the Library necessitates a big room and as such one Unit of Air-Conditioner would be inadequate to control the requirements of the Library and, therefore, proposed to install 2 units of Air Conditioners which would cost about Rs.30,000/-. The Utkal University, therefore, requested the Commission to provide an additional amount of Rs.10,000/- for the purpose. It has been agreed to provide an additional grant of Rs.10,000/- on 100% basis to the Utkal University for the installation of 2 units of Air Conditioners in the Central Library within the 5th Plan allocation. The Commission's share on this account will thus increase from Rs.20,000/- to Rs.30,000/-.

p. 50

10: Development Schemes of the Utkal University
for the 5th Plan period - Acceptance of the
schemes by the Commission

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The Commission made a tentative allocation of Rs.150 lakhs to the Utkal University for the 5th Plan period and accepted the proposals amounting to Rs.89.39 lakhs. Assistance is generally provided to the Universities upto 2/3rd of the allocation in the first instance and, therefore, a total amount of Rs.100 lakhs could be provided to the Utkal University.

The proposal of the University for the enhancement of the estimated cost of Women's Hostel for 100 students from Rs.9,00,000/- to Rs.12,93,500/- and the enhancement of the cost of construction of Men's Hostel for 200 students (instead of 100 students approved earlier) from Rs.9,00,000/- to Rs.19,51,800/- only has therefore been accepted by the Commission (No.F.21-5/74(D.3.a.) dated 24th January, 1976), on the condition that the Commission's share would be limited to Rs.9,70,125/- (i.e.75% of Rs.12,93,500/-) and Rs.9,75,900/- (i.e.50% of Rs.19,51,800/-) against Rs.6,75,000/- and Rs.4,50,000/- agreed to earlier respectively for two hostels.

It has also been agreed to, as a special case, to accept the proposal of the University for providing posts of one lecturer each for the Departments of Botany, English and Political Science to Utkal University recommended by the Visiting Committee under third priority, within the V Plan allocation subject to the condition that the Commission would be providing assistance towards the salary of these posts on 75 : 25 basis upto 31st March, 1981 and thereafter these posts would be maintained by the University/ State Government.

The total allocation has now increased from Rs.89.39 lakhs to Rs.98.50 lakhs in respect of Utkal University.

p 70.

11: Utkal University - Grant-in-aid for the improvement of Hostel facilities - 5th Plan

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In December, 1975 the Utkal University sent a proposal for financial assistance towards the extension of dining room facilities in the two Men's Hostels and one Women's Hostel at an estimated cost of Rs.1,54,300/-. In support of this proposal, the University informed that dining room facilities in the University were not adequate, and that the arrangements proposed to be made in this regard would be on permanent basis and further that the State Government had agreed 'in principle' to provide the necessary matching share on this account, if the proposal is accepted by the UGC. The proposal of the Utkal University for the extension of dining room & toilet facilities in the two Men's Hostels and one Women's Hostel at an estimated cost of Rs.1,54,300/- as detailed below, has been accepted, on the condition that the share of the Commission for the purpose will be limited to Rs.89,615/- as indicated and that the same will be a charge on the Fifth Plan allocation of the University :

<u>S.No.</u>	<u>Name of the Hostel</u>	<u>Total estimated cost</u>	<u>U.G.C.Share</u>
i)	Men's Hostel No.1	Rs.52,220.00	Rs.26,110/- @ 50%
ii)	Men's Hostel No.2	Rs.52,220.00	Rs.26,110/- @ 50%
ii)	Women's Hostel	Rs.49,860.00	Rs.37,395/- @ 75%
		<u>Rs.1,54,300.00</u>	<u>Rs.89,615/-</u>

p T O

- 12: Sanction of Students' Aid Fund grant to Mathabhanga College, Cooch-Bihar (North Bengal University) on the basis of student enrolment for 1975-76.

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The Commission's assistance for establishment of Students' Aid Fund is determined on the basis of students enrolment in degree classes for the preceding year. To be eligible for assistance under the scheme a College, providing two-year degree course should have a minimum enrolment of 100 and a College providing three year degree course should have a minimum of 150 students in degree classes. The Mathabhanga College, Cooch-Bihar (providing three year-degree course) was having only 137 students during 1974-75 but has 165 students during 1975-76. In relaxation of the general rule of assisting Colleges on the basis of the previous year's enrolment, the Mathabhanga College has been given a grant of Rs.482 during 1975-76 on the basis of students enrolment for 1975-76 and on the basis of College's own collection (vide order dated 4.3.1976).

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p.t.o.

- 13 : Allocation of additional basic grant of Rs.50,000/- to Gujarat Vidyapith Ahmedabad for the purchase of books and journals.

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The basic grant of Rs.1,50,000/- allocated to Gujarat Vidyapith, Ahmedabad for the purchase of Books and Journals for 1974-75 and 1975-76 was fully utilized by the Vidyapith upto January, 1976. The Vidyapith requested for an additional grant of Rs.50,000/- for books and journals.

The Commission at its meeting held on 7.1.1976 considered the report of the Visiting Committee on the Gujarat Vidyapith, Ahmedabad; and generally accepted the recommendations made by the Committee. It was agreed that the Gujarat Vidyapith may be requested to immediately set up Committees as recommended by the Visiting Committee and make their reports available to the Commission. Pending the availability of these reports, the Commission may accept the immediate requirements of the Vidyapith within the framework of the recommendations of the Visiting Committee for Postgraduate education and research and other facilities in the existing campus.

A further amount of Rs.50,000/- has been sanctioned to Gujarat Vidyapith, Ahmedabad for the purchase of books and journals in the light of the Commission's resolution mentioned above.

The additional allocation mentioned above will be adjustable against the amount which may be provided to the Vidyapith for books and journals on the basis of the recommendations of the V Plan Visiting Committee (the approval was conveyed to the Vidyapith, under this office letter No.F.27-1/74(D.4.a.) dated 29.3.1976).

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- 14: Finalization of the V Plan reports of the
Bombay, Shivaji & Marathwada Universities.

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The reports of the Visiting Committee appointed to assess the requirements of Bombay, Shivaji and Marathwada Universities for the Fifth Five Year Plan were placed before the Commission at its meeting held on 27th and 28th October, 1975 and the Commission desired that these may be discussed with the Vice-Chancellors alongwith some members of the Visiting Committees, (Item 21). Accordingly, the reports of the Visiting Committee were discussed by the Chairman, University Grants Commission with the Vice-Chancellors concerned on 28th January, 1976. The following were also present :

1. Professor A.L.Nagar .. For Bombay University
Delhi University
2. Professor A.R.V.Murthy |
Indian Institute of Science |
Bangalore. |
3. Professor S.C.Misra | For Shivaji and Marathwada
M.S.University of Baroda | Universities.
4. Professor K.Seshadri |
Jawaharlal Nehru University |
New Delhi. |

University of Bombay

a) The Vice-Chancellor pointed out that the departments of Science and Social Sciences have already been shifted to the new campus at Kalina. They also propose to shift the departments of languages in due course to the new campus. He said that departments of Biological Sciences and Computer Science will also be located in the new campus. Full development of the new campus will take a long time. The University proposes to provide for expansion of the existing departments in the new campus. The Chairman pointed out to the Vice-Chancellor that in deciding the the location of various departments, consideration should be given to the Physical proximity and inter-action between various departments and the necessary library and laboratories facilities. The Vice-Chancellor said that efforts would be made to strengthen all research activities at the new campus only but the university will have to keep some classes and library facilities in the old campus in order mainly to cater to the needs of employed persons who join morning or evening classes. At present such classes are held in Economics, Politics and Law. It was suggested that the University should make adequate arrangements to provide

administrative services both at the old campus as well as at the new campus, but all section dealing with matters and programmes relating to postgraduate education and research etc. be located in the new campus. A building for this purpose may be constructed in the new campus for which full assistance should come from the State Government. Adequate funds may also be provided by the State Government for the maintenance of the existing buildings and furniture. The Vice-Chancellor agreed that all the new buildings recommended by the Visiting Committee will be constructed at the new campus at Kalina. It was agreed that due to special circumstances of the new campus, Commission's assistance towards expenditure on external services for the buildings to be constructed may be provided upto 10 per cent of the civil cost.

It was agreed that the University may set up a Committee (including a representative of the University Grants Commission) to look into the whole of Postgraduate teaching in the University departments vis-a-vis Colleges. It was also agreed that the University will consider ways of discontinuing the system of awarding M.Sc./M.A. degrees by research only.

It was also agreed that provision for the teaching posts in the Department of Computer Science i.e. 1 Professor, 2 Readers and 2 Lecturers would be made under the Fifth Plan allocation. Assistance for other staff required for the Computer Centre will be determined after the Computer is installed, and the necessary assistance provided outside the Fifth Plan allocation.

Marathwada University:

a) The Vice-Chancellor, Marathwada University agreed that the University would attach highest priority to the consolidation of existing departments.

b) The Vice-Chancellor explained that some posts approved by the UGC during the Fourth Plan remained vacant due to certain unavoidable reasons. He, however, agreed that the new posts approved by the Commission in Fifth Five Year Plan will be filled in only after the posts approved in the earlier plans have been filled in by the University. It was agreed that instead of opening a new department of Biochemistry./ The University will also approach the State Government for financial assistance towards the post of Professor of Biochemistry and some other posts created during the Fourth Plan for which the Commission could not give assistance. The number of intake to M.Sc. classes in different subjects would be related to facilities available.

c) It was also agreed that the proposal relating to the departments of Library Science, Dramatics and Journalism may be considered under priority III. It was also agreed that the first year of the M.Sc. class in Chemistry in all branches should be common. The evening classes in Zoology will be discontinued.

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d) It was also agreed that the contribution of College teachers for conducting Postgraduate classes would be reduced when the existing vacancies in the University departments are filled in.

e) The Vice-Chancellor also agreed to provide facilities for the study of History of Western India instead of Maratha History only.

Shivaji University :

a) The Vice-Chancellor agreed that priority should be given to the consolidation of the existing departments as compared to the opening of new departments.

b) It was agreed that M.Sc. course in Statistics may be given by the Department of Mathematics and Statistics. It may not be necessary to open a new department of Statistics at this stage. To provide leadership to the Education Departments of affiliated Colleges, it was agreed that the university may start a department of Education and give full time M.Ed. course. As for the department of Geology, the proposal may be considered after the Geology panel of the UGC spells out the new areas in which there is need for providing facilities for higher education.

c) The Vice-Chancellor pointed out that there is not much of contributory system of teaching in Shivaji University. The University teaching departments run the courses generally with their own complement of staff. Accordingly intake into M.Sc. classes should be related to the facilities available.

e) The Vice-Chancellor agreed that posts sanctioned by the Commission during the Fourth Plan will be filled in before appointments are made against new posts approved during the Fifth Plan.

f) It was also agreed that the grants recommended by the Visiting Committee for the purchase of books, equipment and for Botanical Garden under 2nd priority may also be approved under the first priority.

The Commission's approval to the recommendations of the Visiting Committee's report and sanction of grants has been conveyed to the Bombay, Shivaji and Marathwada Universities (under *F.1-5/75(D+a) dated 12.3.1976, +F.6-1/76(D+a) dated 25.3.1976 and *+F.2-1/76(D.4.a) dated 25.3.1976) subject to the above.

d)**

It was also agreed that the contribution of College teachers for conducting Post-graduate classes would be reduced when the existing vacancies in the University departments are filled in.

- 15: Approval of revised proposal of the Bhopal University for the Establishment of Printing Press during V Plan.

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During the IV Five Year Plan the Commission approved the proposal of the Bhopal University for the Establishment of Printing Press at an estimated cost of Rs.3,30,503/- (Rs.2,30,503/- for Building and Rs.1,00,000/- for Press Machinery and Equipment). The Commission's share was limited to Rs.1,20,000/- (Rs. 53,333/- for building and Rs.66,667/- for equipment).

The University submitted the revised proposal for Establishment of Printing Press at a cost of Rs.4,49,475/63 (Rs.3,18,274/- for building and Rs.1,31,201/63 for furniture & equipment) and requested for enhancing the Commission's share according to the pattern of assistance for the V Plan period. During Fifth Plan, the Commission's assistance for Printing Press is on 50:50 basis subject to the maximum of Rs.2 lakhs.

Since the proposal of Bhopal University for the Establishment of Printing Press was accepted by the Commission on the last day of the IV Plan viz. on 30.3.1974 and practically the implementation of the project has taken place during the V Plan, it has been agreed to provide assistance to the Bhopal University for Printing Press on 50% basis subject to the ceiling of Rs.2 lakhs both for building and equipment as Commission's share.

The approval has been conveyed to the University under letter No.F.89-1/73(SA/D-4a) dated 22nd March, 1976.

p.t.o.

16: Shivaji University - Construction of Women Students Hostel.

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The Commission had accepted a proposal of Shivaji University for the construction of a hostel for 50 postgraduate women students. The University submitted the plans and estimates for the hostel for an area of 13,500 Sq.ft. at an estimated cost of Rs.4,62,693. The plans and estimates were accepted subject to the condition that assistance from the Commission will be restricted to the proportionate cost worked out for an area of 10688 Sq.ft. according to approved U.G.C. norms. The Vice-Chancellor, Shivaji University represented that as the Commission had, during the Third Plan, approved a similar hostel for 13,500 Sq.ft. / The justification given for the proposal is that the present construction is only for the completion of the whole block consisting of two wings of 50 rooms each and the area has to be kept unchanged. This is also necessary for keeping the architectural symmetry intact.

In view of the justification given by the Vice-Chancellor, it has been agreed, as a special case, to share the expenditure on 75% basis of the estimated cost of Rs.4,62,693/- for the built up area of 13,500 Sq.ft. of Women's Hostel on the condition that the share of the Commission will be a charge on the V Plan allocation of the University. The approval was conveyed to the University under letter No.F.26+9/73(CU-I/D-4a) dated 19.12.1975.

/ area are also shared the expenditure, the Commission may share the expenditure on the construction of Ind Hostel for an area of 13,500 sq.ft.

- .17: Sardar Patel University - Approval of grant for Air Conditioning of the Computer Centre.

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The Commission agreed to the transfer of IBM 1620 Computer and the peripheral equipment from Delhi University to Sardar Patel University in 1973. The Sardar Patel University was required to make the necessary arrangements for packing, transportation etc. of the Computer and meet the expenditure thereon from its own resources. Recurring expenditure of Rs.75,000/- p.a. was approved for staff and maintenance, pending assessment of the requirements of the Computer Centre by an expert committee.

The Sardar Patel University was informed that an expenditure of Rs.30,815/- was incurred on shifting the machine from Delhi and installation at the Sardar Patel University including packing, insurance, upgrading, transport charges etc. In addition, Rs.49,616/- was spent on non-recurring items (air-conditioners, voltage stabilisers and Control Panels) to put the computer in smooth working. The University requested the Commission to sanction and release/by expert committee).

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Since the Sardar Patel University was required to meet the expenditure for packing, transportation etc. of the Computer out of its own resources, a grant of Rs.49,616/- for air-conditioner, Voltage, stabilisers and control Panels has been sanctioned under letter No.F.28-5/73 (Sc.I/D-4a) dated 21st October, 1975.

p.t.o.

18: Nagpur University - Appointment of Development Officer.

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The Nagpur University approached the University Grants Commission for the creation of a post of Development Officer in the rank of Deputy Registrar in the scale of Rs.700-1250 on a permanent basis. The University also reported the appointment of Shri B.Y.Aher, as a Development Officer on a initial salary of Rs.1000/- p.m. in the scale of Rs.700-50-1000-EB-50-1250 w.e.f. 7.4.1975. The Commission has decided that the Universities which have not created the post of Development Officer during the IV Five Year Plan may be assisted during the V Plan provided the post of Development Officer so created is continued on a permanent basis when the assistance of the Commission ceases.

Since the University created the post of Development Officer on a permanent basis, the proposal of the University for the appointment of Development Officer has been accepted and the appointment of Shri B.Y. Aher as a Development Officer has also been noted. The Commission's assistance on 100% basis for the above post would be available to the University for the period ending 31.3.1981 and thereafter the post will have to be maintained by the University/State Government.

The expenditure on the above post will be a charge on the V Plan allocation of the University. The approval was conveyed to the University under letter No.F.20-4/71(CDN/D-4a) dated 31.12.1975.

p.t.o.

19: South Gujarat University - Construction of Men's Hostel.

The Visiting Committee which assessed the V Five Year Plan proposals of the South Gujarat University recommended the proposal of the University for the Construction of Men's Hostel under Second Priority. The Commission, for the present, has accepted the V Plan schemes of the South Gujarat University, falling under the first priority only.

The University requested that an amount of Rs.7 lakhs (U.G.C. share Rs.3.5 lakhs) may be approved during the V Plan for the Construction of Men's hostel. Since the total sanction amounts to Rs.61.40 lakhs only as yet (out of the V Plan allocation of Rs.100.00 lakhs), the proposal of the University for the Construction of Men's Hostel has been accepted at an estimated cost of Rs.7 lakhs./ (The approval has been conveyed to the University under letter No.F.22-6/75(D.4.a) dated 13th February, 1976).

∟ The share of the Commission at 50% will be Rs. 3.50 lakhs.

p.t.o.

20: Gujarat University - Approval for the
Construction of Class IV Staff Quarters.

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The Gujarat University started the Construction of Class IV Staff Quarters approved by the University Grants Commission at an estimated cost of Rs.3,12,000/- (U.G.C. share Rs.1,56,000/-) during the IV Five Year Plan, without prior acceptance of the Plans and estimates by the Commission. In this regard the Vice-Chancellor of the Gujarat University informed the Commission that the Estate Department of the University which had to look after the security of the University buildings and properties forgot to wait for the approval of the U.G.C. because of Nav Nirman trouble started violently on 3rd of January, 1974.

In view of the position intimated by the Vice-Chancellor the plans and estimates amounting to Rs.3,12,000/- (certified by the P.W.D.) for the construction of Class IV Staff Quarters have been accepted subject to the condition that the share of the Commission will be limited to Rs.1,56,000/- or to 50% of the actual cost whichever is less (under letter No.F.32-6/72(Cu-I/D.4.a) dated the 19th February, 1976.

.21: Saurashtra University - Approval of a grant for Books and Furniture for the Students Home.

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The Saurashtra University approached the Commission for a grant of Rs.24,000/- for Books & Furniture for the Students Home Building approved by the Commission during the IV Plan. The Students Home Scheme as per IV Plan pattern of assistance includes provisions for building, furniture and books and for furniture and books a maximum ceiling of Rs.24,000/- was admissible. The grant for the purchase of furniture and books for students Home is normally approved when the building for the purpose is completed in all respects. Since the Students Home building of the Saurashtra University has been completed,

a provision of Rs.24,000/- for furniture and books has been approved as part of continued IV Plan proposal of the University viz. the establishment of Students Home. The approval to this effect was conveyed to the University under this office letter No.F.10-2/69(SA/D+a) dated 7.1.1976.

p.t.o.

- 22: Acceptance of the proposal of the Allahabad University for introduction of correspondence courses at the undergraduate level.

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The Commission at its meeting held on 7th January, 1976 accepted the proposal of the Allahabad University for the introduction of correspondence courses for BA and B.Com. Later the Commission at its meeting held on 16th February, 1976 agreed that the assistance for the different posts sanctioned during the V Plan under other programmes i.e. Centre of Advanced Study, Area Study, Correspondence Courses may be provided till 1980-81. Accordingly it was agreed that the assistance of the Commission for approved staff towards the introduction of Correspondence Courses may be provided to the Allahabad University upto 31st March, 1981 subject to the overall ceiling of Rs.5 lakhs for the scheme. This has been conveyed to the Allahabad University vide this office letter No.F.8-4/75(ER) dated the 3rd March, 1976.

p.t.o.

23 . Procurement of equipment by the University of Hyderabad.

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The Commission while approving in its meeting held on 16.2.1976 the action taken under item 2 a(3) which inter alia provided that a grant of Rs.50 lakhs may be placed at the disposal of the University of Hyderabad for scientific equipment agreed that a committee consisting of Professor S. Gopal, Professor JB Chitambar, Professor BM Udgaonkar, Professor SS Saluja and Professor RP Bambah may be requested to look into the details of the equipment proposed to be procured by the University of Hyderabad. Accordingly a meeting of the Committee was convened on 22 March 1976 at 9 AM. Professor S Gopal could not attend the meeting. The Vice-Chancellor, University of Hyderabad, had also been invited to attend this meeting. In addition, Professor SV Kesar, Professor of Chemistry, Panjab University and currently National Fellow of the UGC was also requested to attend the meeting to advise the committee on matters referred to it. On the basis of the general consensus that since the items of equipment to be imported will be fully utilised by the University as assured by the Vice-Chancellor and that the items of equipment to be imported would form a regional centre facility which is not existing at present at Hyderabad and that the foreign exchange now released by the Government of India will not be debited against the allocation of the UGC, the Committee agreed that the university may at this stage procure equipment out of the list submitted at a cost not exceeding Rs. 50 lakhs. Professor BM Udgaonkar however dissented from this decision of the Committee.

The recommendations of the committee have been accepted and a grant of Rs.50 lakhs has been released to the university.

24: Examination Reform - Regional Workshops on Grading.

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The U.G.C. Implementation Committee on Examination Reforms at its meeting held on 14th May, 1975 in New Delhi suggested the organisation of regional workshops on grading as it felt that there would be many advantages if the grading system is introduced simultaneously by all the universities specially by universities within a particular region. It was agreed that some of the pace within a region in the implementation of Examination Reforms including grading. Accordingly, the Commission sponsored workshops on grading at the following universities and approved expenditure for the purpose according to its norms :

<u>University</u>	<u>States</u>	<u>Dates of the Workshop</u>	<u>Expenditure approved</u>
1. Delhi	Rajasthan, U.P.	(October 14-15, 1975)	Rs. 20,550/-
2. Panjab	Panjab, Himachal Pradesh, Jammu & Kashmir & Haryana.	(December 2-3, 1975)	Rs. 4,500/-
3. Bombay	Gujarat, Maharashtra	(December 16-17, 1975)	Rs. 11,750/-
4. Madras	Tamil Nadu, Andhra, Karnataka and Kerala	(December 22-23, 1975)	Rs. 19,000/-
5. Jabalpur	Madhya Pradesh	(April 3-4, 1976)	Rs. 7,600/-

The recommendations of the workshops mentioned at No.1 to 4 above were placed before the Commission at its meeting held on 7th January, 1976 (item No.31) and a consolidated note on the recommendations of these workshops was circulated to the universities for taking necessary action in the matter. The report of the workshop held at Jabalpur is awaited. It is also proposed to organise a workshop on grading for universities in the Eastern Zone some time in May, 1976.

- 25: Recommendations of the Advisory Committee on
organisation of Short-term (Summer Institutes)
Institutes in English Teaching during 1977.

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The University Grants Commission has been organising Summer Institutes in English for College teachers since 1965 in collaboration with the British Council and the Central Institute of English and Foreign Languages, Hyderabad, with a view to improving their professional competence.

An Advisory Committee with the following members was constituted to consider matters relating to the organisation of Summer Institutes in English in 1977 :

1. Professor Ramesh Mohan
Director
Central Institute of English & Foreign Languages,
Hyderabad.
2. Professor C.D.Narasimhaiah,
Department of Postgraduate Studies in English
Mysore University,
Mysore.
3. Professor S.K.Kumar
Department of English
.c.t.g Osmania University
Hyderabad.
4. Dr.(Mrs.) Kamal Wood
Department of English,
Bombay University
Bombay.
5. Professor Yudhistar
Department of English
South Delhi Campus
Delhi University
New Delhi.
6. Professor A.Bose
Retired Professor of English
Calcutta University
Calcutta.

The Committee met in the office of the Commission on 8th March, 1976 at 10.00 A.M. The following were present :

1. Professor Ramesh Mohan
2. Professor S.K.Kumar
3. Professor C.D.Narasimhaiah
4. Dr.(Mrs.) Kamal Wood
5. Professor Yudhistar.

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Special invitee: Mr.M.Macmillan
British Council Division
New Delhi.

Professor A.Bose could not attend the meeting.

The Committee made the following recommendations :

1. The Committee had a general discussion about the organisation of Summer Institutes in English. The Committee reaffirmed that, in order to make the programme more purposeful and effective, a preparatory course should be introduced for participation in the 1977 programme of Summer Institutes.

2. The Committee recommended that 10 short-term course institutes (Summer Institutes in English) may be held in 1977, in different regions, and these too should be preceded by some preparation of the part of the participants. The Committee also recommended that instead of inviting applications, the Summer Institutes in English may be organised at the following selected Universities :

<u>Centre</u>	<u>Region to be covered</u>
1. M.S.University of Baroda OR Gujarat University	Gujarat
2. Mysore OR Bangalore Univ.	Karnataka, Part of Andhra Pradesh.
3. Panjab University, Chandigarh or Guru Nanak University Amritsar.	Panjab, Haryana, HP, J&K and Delhi.
4. Ranchi University OR Patna University	Bihar, Part of Easter UP and part of Orissa.
5. Rajasthan OR Jodhpur University.	Rajasthan, Part of U.P.
6. CIEFL, Shillong	Assam, West Bengal, Part of Orissa, Manipur, Tripura, Meghalaya, Mizoram, Nagaland.
7. Bhopal OR Jabalpur	Madhya Pradesh
8. Poona OR Shivaji Univ.	Maharashtra, Goa, Daman & Diu.
9. Madras OR Madurai Univ.	Tamil Nadu, Pondicherry
10. Calicut OR Kerala Univ.	Kerala, Part of Andhra Pradesh.

The CIEFL, Hyderabad, and the British Council Division of the British High Commission, New Delhi will continue to provide the services of specialists as may be required for the organisation of the 1977 Summer Institutes.

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3. The Committee recommended that two English Literature Seminars may be held in early January, 1977, one at Madras/Bangalore and other at Rajasthan/Panjab. The Committee also recommended that seminar may be directed towards the 20th Century Literature and that the services of a team of specialists from Britain may be obtained from amongst the names suggested by the British Council. The team leader should be selected from Professor Frank Kermode (Cambridge), Professor John Holloway (Cambridge), Professor Bernard Bergonzi (Warwick), Professor R.A.Foakes (Kent).

A copy of the report of the UGC Advisory Committee on Summer Institute in English Language teaching is attached as Annexure .

The recommendations of the Advisory Committee have been accepted for implementation.

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26 Development of Museums and provision of Audio-Visual Aids in the Universities - allocation of funds for.

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The University Grants Commission, at its meeting held in May, 1975, considered the recommendation made by the Panel on History at its meeting held in January, 1975 for developing museums and providing audio-visual aids to the universities. The Commission agreed to assist the universities to acquire audio-visual aids e.g. transparencies, plaster casts and epidiascopes etc. for the departments of History and Archaeology and agreed to provide a grant up to Rs.15,000/- to selected departments for the purpose in the 5th Plan period. It was further agreed that a grant upto Rs.20,000/- may be provided to the universities which have already working museums in History and Archaeology for further development of such museums during the 5th Plan period. The Commission desired that proposals may be invited from the universities and examined. The proposals received from the universities were considered by the Panel on History at its meeting held on November 26, 1975. On the basis of the recommendation of the Panel, the following universities have been selected for assistance to establish and/or develop museums and for obtaining audio-visual aids :

<u>Name of the University</u>	<u>Amount approved</u>	
	<u>Audio-Visual Aids</u> Rs.	<u>Museums</u> Rs.
1. Dibrugarh	15,000	20,000/-
2. Utkal	15,000	20,000/-
3. Andhra	-	15,000/-
4. Saugar	15,000	20,000/-
5. Gauhati	14,850	19,260/-
6. Kurukshetra	15,000	20,000/-
7. Deccan College Poona University	15,000	20,000/-
8. Allahabad	15,000	20,000/-
9. Mysore	15,000	-
10. Delhi	15,000	20,000/-
11. Sardar Patel	-	20,000/-
12. Visva Bharati	15,000	20,000/-
13. Calcutta (Deptt. of Archaeology)	-	20,000/-
14. Sambalpur	15,000	20,000/-
15. M.S. University of Baroda	14,500	18,000/-

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Subsequently it was decided that the department of History Jodhpur University may also be included in the list of universities selected for assistance under the above scheme. Accordingly, the proposal of the department has been examined and an amount of Rs.30,000/- has been approved (Rs.10,000/- for audio-visual aids and 20,000/- for development of museums.)

The matter is reported to the Commission for information.

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Item No.27: Proposals of the Colleges accepted under COHSIP.

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In addition to the proposals of 49 colleges selected under COHSIP already reported to the Commission at its meeting held on October, 1975 and January, 1976 under Item 2(a), the proposals received from the following colleges have been processed and grants approved for initiating COHSIP are indicated against each college :

S.No.	Name of the College	Grants approved p.a. for a period of 3 years.	Date of Approval
1.	Christ Church College, Kanpur	Rs.49,500/- (R+NR)	19.12.1975
2.	S.S.V.P.Sanstha's Art Q.M.F.M.A.Commerce College, Dhulia.	Rs.50,200 (R)	19.12.1975
3.	Rajaram College, Kolhapur	Rs.32,400 (R)	3.2.1976
4.	Ferguson College, Poona	Rs.70,500 (R+NR)	9.2.1976
5.	Khalsa College, Amritsar	Rs.43,200 (R)	5.3.1976
6.	Kamraj College, Tuticorin	Rs.35,700	5.3.1976
7.	Ahmednagar College, Ahmednagar.	Rs.54,400 (R)	26.3.1976

The following additional grants have also been approved to the Colleges indicated against each :

S. No.	Name of the College	Grants already approved	Additional grant	Purpose of Additional grant.	Date of Approval
1	2	3	4	5	6
1.	Jawahar Bharati	Rs.51,500 (NR)	Rs.6,003.77	For electrically operated Duplicator	12.12.1975
			Rs.19,800.00 (R+NR)	a) <u>History Deptt.</u> Rs.4,200/-p.a. b) <u>Hindi Deptt.</u> Rs.4,600/-p.a. c) <u>Economics Deptt.</u> Rs.5,000/-p.a. d) <u>Clerical Assistance for all the Deptt.s.</u> Rs.5,000/-p.a.	17.2.1976

1	2	3	4	5	6
				e) <u>English Deptt.</u> Record player & 10 tapes Rs.1,000/- (NR)	
G.M.College Samalpur.	Rs.52,000 (R+NR)	Rs.1,200 (R)		For appointment of part-time staff in the Deptt. of Library in the Commerce Department.	16.12.1975
Smt.N.C.Gandhi Mahila College, Bhavnagar.	Rs.34,000 (R)	Rs.12,000 (R+NR)	Rs.10,000/- Rs.30,750	For Duplicating Machine Rs.2,000/-p.a. for 1. Rs.20,750 orientation of teacher, Audio-Visual extension lectures by Aids eminent persons. 2. Rs.10,000 Equipment for Geography Deptt.	22.12.1975
St.Joseph's College for Women, Waltair.	Rs.40,000 (R)	Rs.3,700 (NR)		For Audio-Visual Equipment.	December, 1975.
F.1-33/74(HR) Agra College, Agra	Rs.36,000 (R+NR)	Rs.7,200		1. <u>Hindi Deptt.</u> Rs.1,200/- (R) 2. <u>Psychology Deptt.</u> Rs.2,400/- (R) 3. <u>Economics Deptt.</u> Rs.2,400/- (R) 4. <u>Sanskrit Deptt.</u> Rs.1,200 (R)	7.1.1976
St.Xavier College, Ahmedabad.	Rs.26,100 (R+NR)	Rs.6,000 (R+NR)		For Reading Club for Arts students	22.1.1976
D.A.V.College Muzaffarnagar	Rs.49,500 (R+NR)	Rs.1,812.40 (NR) & Rs.5,000.00 (R)		Towards the cost of Duplicator Drawing & Painting Deptt.	Jan.1976 Feb.1976
A.P.D.M.Mahila Mahavidyalaya, Kanpur	Rs.63,500	Rs. 823.89 (NR)			Jan.1976
Andhra Loyola College, Vijayawada	Rs.37,000	Rs.13,000 (NR)		Audio-Visual Equip. for all the Deptts.	Jan. 1976.

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1	2	3	4	5	6
10.	Ewing Christian College, Allahabad.	Rs. 32,200	Rs. 17,000	1. Misc. Rs. 4,000 (R) 2. Audio-Visual Aid Rs. 2,000 3. Student Work Aid Rs. 2,000	11.2.1976.
11.	Ragunath Girls College Meerut.	Rs. 45,000 (R+NR)	Rs. 25,995	1. Audio Visual Equipment Rs. 21,795 2. Geography Deptt. Rs. 400/-p.a. 3. Home Science Deptt. Rs. 2,800/-p.a.	18.2.1976
12.	Multanimal Modi College Modinagar.	Rs. 43,200	Rs. 1,854.27	For Duplicating Machine	12.3.1976
13.	Wilson College, Bombay.	Rs. 56,500	Rs. 2,064.08	-do-	13.3.1976

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p.t.o.

- .28 : College Science Improvement Programme -
University Leadership Project - Approval
of additional grant for follow-up activities
to the Department of Physics, Rajasthan
University.

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The Commission on the recommendation of the expert committee which evaluated the work done by the Department of Physics, Rajasthan University, during the first phase of the U.L.P. agreed to provide to the Rajasthan University further grants amounting to Rs.3.50 lakhs for taking up follow-up activities under COSIP-ULP during the next two years. This was reported to the Commission in its meeting held on 24+25th November, 1975 under item No.2(a)3.

Professor B.L.Saraf, Head of the Department of Physics, Rajasthan University, has made a request to the Commission for providing transport facilities to enable them to set up a mobile laboratory for taking the new instruments fabricated by the Department of Physics under ULP to the affiliated colleges of the University. This request has been accepted and an additional grant of Rs.75,000/- for the purchase of a Vehicle has been approved. (vide orders dated 24.3.1976).

p.t.o.

- .29: Nominations of teachers to visit U.S.A. under the India-U.S.Exchange of Scientists Programme.

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Under the Programme of 'India-United States Exchange of Scientists' which is being co-ordinated by the Council of Scientific and Industrial Research, New Delhi with the U.S. National Science Foundation, the University Grants Commission has been allocated upto 400 mandays for visit by University teachers in India to U.S.A. for short periods ranging from two weeks to two months for purposes of collaborative research work etc. According to the terms of the programmes, the sponsoring organisation i.e. the University Grants Commission or the University concerned in India is required to meet the cost of International travel round trip to U.S.A. whereas the cost of living expenses and travel in U.S.A. is to be met by the United States National Science Foundation. The programme does not involve any foreign exchange.

Nominations were invited from the members of the Science Panels for selecting persons to be deputed to U.S.A. under the programme for the year 1976-77. The nominations thus received were considered by the Convenors of the Science Panels who have recommended the names of the following six teachers to visit U.S.A. under India-U.S.Exchange of Scientists Programme. These names have been approved (vide orders dated 12.3.1976) and the same have been forwarded to the C.S.I.R. for further necessary action.

1. Professor C.K.Majumdar
Department of Physics
University of Calcutta
Calcutta.
2. Professor R.D.Tiwari
Department of Chemistry
Allahabad University
Allahabad.
3. Professor B.Bhatia
Professor of Life Science & Environmental Sciences,
Jawaharlal Nehru University
New Delhi.

4. Dr.T.S.Soundararajan
Reader
Department of Mathematics
University of Madurai
Madurai.
5. Dr.Nasiruddin Ahmed
Department of Geology
Aligarh Muslim University
Aligarh.
6. Dr.Aijazuddin Ahmed
Associate Professor in the Centre for
Study of Regional Development,
Jawaharlal Nehru University
New Delhi.

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.30: COSIP - Approval of grants for follow-up activities to colleges

The approval of grants to 24 COSIP colleges for undertaking follow-up activities during the next two years have already been reported to the Commission at its meeting held on 7th January 1975 (Item No.2a(6)). The follow-up proposals from 6 COSIP colleges could not however be accepted.

Proposals from the following 2 colleges have since been examined and grants approved for undertaking the follow-up activities during the next two years.

<u>Name of the College</u>	<u>Affiliated to University</u>	<u>Grant approved</u>	<u>Date of approval</u>
Khallikote College Berhampur	Berhampur	Rs. 2,00,000	23-12-75
Virudhnagar Hindu Nadar Senth Kumara Nadar College, Virudhunagar	Madurai	Rs. 2,00,000	29.1.1976

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31: Approval of grants to additional COSIP colleges.

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The Commission at its meeting held on 10.2.1975 (Item No.19) accepted the recommendation made by the Standing Committee for COSIP for inviting proposals from colleges who fulfill the norms laid down by the committee. It was also decided that about 50 colleges could be approved for taking up COSIP. It was decided by the Standing Committee on COSIP that only those colleges which have an enrolment of atleast 300 in three years B.Sc. course and 200 science students in two years B.Sc. course could be considered for taking up the programme.

Accordingly the proposals from about 170 colleges who fulfil the condition have been invited. The proposals from the following colleges have been examined and grants recommended for a period of 3 years for participating in the college science Improvement Programme. The other proposals are being examined.

S.No.	Name of the college.	Affiliated to University	Grant approved	Date of approval.
1.	Govt. College, Ratlam.	Vikram	Rs.2,50,000 (including Physics proposals)	4.3.1976
2.	Yogeshwari Mahavidyalaya, Ambajogai.	Marathwada	Rs.2,40,000	-do-
3.	S.S.V.P. Sanstha's Science College, Dhulia.	Poona	Rs.3,00,000	-do-
4.	Pratap College, Amalner.	Poona	Rs.2,00,000	-do-
5.	Rajah Sarfoji Govt. College, Thajjavur-5.	Madras	Rs.2,40,000	-do-
6.	Almora College, Almora.	Kumaon	Rs.2,00,000	-do-

- 32: Applicability of the Government of India orders regarding expenditure on Committees, Commissions and Boards of Enquiry - Allowances to Members (including Members of Parliament and State Legislatures).

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The Government of India orders contained in the Ministry of Finance (Department of Expenditure) Office Memorandum No. F.19020/2/75-E.IV(B) dated the 17th January, 1976 regarding expenditure on Committees, Commissions and Boards of Enquiry - Allowances to Members (including Members of Parliament and State Legislatures) have been made applicable in the University Grants Commission with effect from the 17th January, 1976 (vide orders dated the 31st March, 1976).

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- 33: Extension of the tenure and filling up the temporary posts for the work relating to the Third National Survey (Higher Education Sector) at the headquarters level.

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The tenure of the posts of Coordinator(1) and Senior Statistical Assistant (2) created and filled for a period of six months with effect from 21st May, 1975(FN) out of the sanctioned posts for the Third National Survey (Higher Education Sector) as reported to the Commission at its meetings held on the 14th & 15th July, 1975 Item No.2(a)-19 and 7th January, 1976 Item No.2(a)-10 has been further extended upto 30th June, 1976 (vide orders dated the 23rd January, 1976 and 6th March, 1976).

The sanctioned posts of Chief Coordinator (1), another Coordinator (1) Statistical Assistant (2) and LDC/Typist (2) have also been filled up upto the 30th June, 1976 (vide orders dated the 23rd September, 1975, 23rd January, 1976 and 6th March, 1976). Vide orders dated the 23rd January, 1976, a temporary post of Junior Stenographer has also been created in the scale of pay of Rs.330-10-380-12-500-EB-15-560 upto the 30th June, 1976 for the Survey work.

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p.t.o.

- .34: Extension of the tenure of the temporary post of Deputy Secretary in the University Grants Commission.

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Pending the report of the Staff Inspection Unit, the tenure of the temporary post of Deputy Secretary in the University Grants Commission which was last extended upto the 31st March, 1976 and reported to the Commission vide Item No.2(a)(28) at its meeting held on the 29th September, 1975 has been further extended for a period of six months from the 1st April, 1976 to the 30th September, 1976 (vide orders dated the 19th March, 1976) as the necessity for which it was created still continues.

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UNIVERSITY GRANTS COMMISSION

Minutes of the meeting of the Advisory Committee on Summer Institutes in English Teaching.

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The Advisory Committee on Summer Institute in English Teaching met in the office of the Commission on 8th March, 1976 at 10.30 A.M. with Professor Ramesh Mohan in the Chair. The following were present:-

1. Prof. (Mrs.) Kamal Wood
Department of English
Bombay University.
2. Prof. C.D. Narasimhaiah
Deptt. of Postgraduate studies in English
Mysore University.
3. Prof. S.K. Kumar
Department of English
Osmania University
4. Prof. Yudhister
Deptt. of English,
South Delhi Campus,
New Delhi.
5. Mr. M. Macmillan (by special invitation)
British Council
New Delhi.

Professor A Bose. could not attend.

Item No. 1. To consider the programme of Summer Institutes on English Teaching during 1977.

The Committee had a general discussion about the organization of Summer Institutes in English. The Committee reaffirmed that, in order to make the programme more purposeful and effective, a preparatory course should be introduced for prospective participation in the 1977 programme of Summer Institutes.

The Committee was of the view that, to start with, the preparatory course for 1977 should be centralised and the CIEFL be entrusted with the responsibility of conducting this preparatory course on an experimental basis in 1977, involving the UGC Cell in this programme. The CIEFL will prepare the lessons for these courses. The preparation of lessons will have to be completed by the end of July/August 1976. This preparatory course will be

administered by the Directors of the Summer Institutes for the participants intending to join their respective Summer Institutes. The Directors will be responsible for the despatch of lessons prepared by the CIEFL to the participants and for their subsequent evaluation before the next lesson is sent, under the general guidance of the CIEFL. The UGC will augment, as necessary, the facilities available at the CIEFL for fulfilling the responsibilities.

The Committee felt that the success of the Summer Institutes in English would depend largely on the motivation of the Directors and their colleagues, and on the particular Centre having at least the basic minimum expertise and physical facilities for organising such a course for the benefit of the teachers from affiliated colleges. The Committee agreed to recommend the following Centres for the organisation of Summer Institute in English during 1977:

<u>Centre</u>	<u>Region to be covered.</u>
1. MS Univ. of Baroda, OR Gujarat University.	Gujarat
2. Mysore Or Bangalore University.	Karnataka, part of Andhra Pradesh.
3. Panjab University, Chandigarh Or Guru Nanak Dev University, Amritsar.	Punjab, Haryana, HP, J &K, and Delhi.
4. Ranchi Or Patna University.	Bihar, part of eastern UP and part of Orissa.
5. Rajasthan Or Jodhpur University.	Rajasthan, part of UP.
6. CIEFL, Shillong.	Assam, West Bengal, part of Orissa, Manipur, Tripura, Meghalaya, Mizoram, Nagaland.
7. Bhopal Or Jabalpur University.	Madhya Pradesh.
8. Poona Or Shivaji University.	Maharashtra, Goa, Daman & Diu.
9. Madras Or Madurai University.	Tamil Nadu, Pondicherry.
10. Calicut Or Kerala University.	Kerala, Part of Andhra Pradesh.

The Centres mentioned above may be requested to submit formal proposals for the organisation of Summer Institutes in English Teaching in 1977 as per UCC norms intimating the names of the Directors concerned.

The CIEFL, Hyderabad, and the British Council Division of the British High Commission will continue to provide the services of specialists as may be required for the organisation of the 1977 Summer Institutes.

Item No.2: To identify two Centres for the organisation of Seminars in English Literature during 1977.

The Committee discussed the organisation of seminars in English Literature during 1977. It was agreed that two seminars may be organised at the following Centres:-

1. For the Southern Region : The University of Madras
.....OR the University of Bangalore. The seminar at the Southern Centre may be held for about 10 days between 2-12 January 1977.
2. For the Northern Region: Rajasthan University, Jaipur
OR Punjab University, Chandigarh. The seminar may be held from 15 to 24 January 1977.

The Committee decided that the theme of the two seminars may be 20th Century Literature.

The Committee considered the list of UK specialists submitted by the British Council Division of the British High Commission in India and decided that the British Council Division be requested to provide the services of the UK specialists mentioned below in order of preference, who would act as leaders of the team for the seminars in 1977.

1. Prof. Frank Kermode
(Cambridge)
2. Prof. John Holloway
(Cambridge)
3. Prof. Bernard Bergonzi
(Warwick)
4. Prof. R.A. Foakes
(Kent)

The Choice of the other members of the team from UK may be left to the leader.

The Committee felt that it would be appropriate if for each centre two Indian scholars are also nominated to conduct the seminar along with the UK specialists. The selection of the Indian specialists may be made with the help of a Committee consisting of Professor Ramesh Mohan, Professor S.K. Kumar and Professor C.D. Narasimhaiah.

The Universities mentioned above may be requested to organise the seminar as per schedule.

Item No.3: To consider a letter received from the Registrar, University of Poona regarding invitation to teachers of affiliated colleges not located in a particular zone where a seminar is held on English Literature.

The Committee noted that the difficulty in case of teachers from Poona University arose because Poona University was included in the area covered by the Seminar at the northern centre which was held at Delhi and this centre admitted teachers only from Delhi. The centre at Osmania did not consider the teachers from Poona University on the ground that they were not included in their area.

The Committee was of the view that although these seminars are held at two centres, one in the north and the other in the south, they are held on an all India basis, and the centres may, in special circumstances, subject to availability of places, also consider the cases of teachers who may not belong to the area covered by a particular centre, but who may desire to participate in the seminar at that centre. There should also be some coordination between the two centres in the selection of participants for the seminar.

Sd/- Ramesh Mohan
Chairman.

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CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting:

Dated : 29th April, 1976.

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

- (1) To receive a statement showing the availability/
utilisation of foreign exchange for the period
ending 31.3.1976.

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..... The Commission at its meeting held on 10.2.75 desired
(Item 4) that a six monthly statement be placed before the Commission
with regard to the availability/utilisation of foreign exchange.

During the period October, 75 - March 76 the applications
received from the various universities/institutions were recommended for
the release of necessary foreign exchange. In addition, import licences
requiring enhancement of the c.i.f. value, due to rise in prices etc.,
were also recommended to the Government of India. Accordingly the
requirements of universities and colleges to the extent of Rs.125990-00
from Rupee area countries & Rs. 1,10,04,631-00* from General Currency
area (including credits) could be met during the period October'75 - March'76.

Unesco coupons worth \$ 46,804.97 (Rs.3,80,905) were also
made available to the universities and colleges during the last six months
to enable them to meet their urgent import requirements.

*Free Foreign Exchange : Rs.37,86,968.00

Foreign Credit Rs.72,17,663.00

Total-Rs.1,10,04,631.00

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SLK

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting:

Dated: 29th April, 1976.

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

The following proposals of the colleges have not been approved for financial assistance under Rs. 5 lakh schemes during the Fifth Five Year Plan period due to the non-fulfilment of the eligibility conditions indicated below :-

S.No.	Name of the college	Project	Estimated cost	Date of order	Reason.
<u>Guru Nanak University</u>					
1.	G.N.Khalsa College for Women, Model town Ludhiana.	Book & equipt. Art Block, Staff qrs. Principal's residence, NRSC Lib. block, Addl. room for staff common room.	Rs.6,88,779/-	10.2.76	Condition of minimum enrolment & staff strength not fulfilled.
<u>Kurukshetra University.</u>					
2.	S.D. Mahila Maha vidyalaya, Hansi.	Students Hostel	Rs.7,62,535/-	8.1.76	-do-
3.	Maharana Pratap College for Women, Mandi Dabwali.	Const. of Lib. cum-reading room.	Rs.2,12,156/-	8.1.76	-do-
4.	Adarsh Mahila vidyalaya, Bhiwani.	Women's Hostel.	Rs.9,00,004/-	1.1.76	-do-
5.	Maharaja Agrasen Mahavidyalaya, Jagadhari.	Lib. building class room & Lib books	Rs.3,95,695	8.1.76	Condition of minimum staff not fulfilled.

p.t.o.

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|---------------------------|--|--|----------------|---------|--|
| 6. | S.D. Kanya
Mahavidyalaya,
Mansa. | Class rooms
& lecture
theatre &
purchase of books
& journals. | Rs.1,50,548/- | 10.1.76 | Condition of
minimum number
of students
& staff not
fulfilled. |
| 7. | S.D. College,
Palwal. | Construction
of Lib. Bldg., &
staff quarters. | Rs.4,42,863/50 | 2.2.76 | Condition of
minimum enrolment
not fulfilled. |
| <u>Meerut University.</u> | | | | | |
| 8. | Jain Girls
Degree
College,
Muzaffarnagar. | Women's hostel
Principal's
residence,
purchase of books
& construction of
class room. | Rs. 4,27,130/- | 19.1.76 | Condition of
minimum staff not
fulfilled. |
| 9. | A.K.P.Degree
College,
Kaurja. | Principal's
residence, staff
quarters, extension
programme &
student hostel | Rs. 7,48,000/- | 23.2.76 | Condition of
minimum
enrolment. |

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SLK

Confidential

UNIVERSITY GRANTS COMMISSION

Meeting:
Dated : 29th April, 1976
Time : 10.00 A.M.
Place : U.G.C. office, New Delhi.

Item No.3: To approve the statement of grants released after the last meeting of the Commission held on 22nd March, 1976.

P L A N

<u>S.No.</u>	<u>Name of the University</u>	<u>Purpose</u>	<u>No. of Instalments</u>	<u>Amount paid</u>
1	2	3	4	5
1.	<u>AGRA UNIVERSITY</u>	Purchase of Books and Journals during 5th plan		1,00,000
		Construction of Lady Teachers Hostel		1,50,000
		Indo-USSR Cultural Exchange Programme - Appointment of Russian language teachers		1,831.69
		purchase of books and journals during 5th plan period		1,00,000
		Utilisation of Services of Outstanding Retired teachers		
		Dr. Ran Bilas Shama		7,250
		Purchase of books & Journals during 5th plan period		40,000
	<u>AFFILIATED COLLEGES</u>			
	R.E.I. Degree college Dayalbagh, Agra	Grants towards the loan of books to students		
		up of Book-Banks.	Ist	5,625
	Agra college, Agra	College Humanities and Social Sciences Development Programme		5,000
	Swami Shukdevananda College, Sahanjhanpur Agra college, Agra	Expansion of Science education	Final	3,780
		Research fellowship in Social Sciences, to Kn. Rashmi Jain		1,500
	-do-	-do-		6,278.57
	Narain college, Shikohabad	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences		1,750

1	2	3	4	5
St. John's college, Agra	Seminar on 'Impact of Man on Mountain Ecosystem'			12,000
Basu Shivnath Agrawal college, Mathura	Students Aid Fund			3,750
Narain college, Srikohabad	-do-			3,750
Kishori Ramani College, Mathura	-do-			4,250
D. E. I. Engineering college, Dayalbagh	-do-			4,127
Shri Brij Behari Degree College, Kosi-Kalan	-do-			750
Total				4,51,642.26

2. ALIGARH MUSLIM UNIVERSITY

Award of Scholarship for Km. Yasin Mukhtar		1,200
Scholarship to postgraduate diploma course in Computer Science - 1975-76 award		30,000
Research fellowship - payment of contingent grant.		1,500
-do-		750
-do-		6,393.55
-do-		4,090.32
-do-		6,000
Organisation of Regional Workshop in Economics		18,000
Utilisation of Service of Outstanding Retired Teachers		11,580.65
Development of Area Studies Programme		30,000
Construction of building for the deptt. of Business Administration - Furniture	Ist	10,000
Grant-in-aid for increase in intake of the Engineering college 19th		5,000
Requirement of the University arising out of the equipment acquired under U.S. 12 Million Dollar loan scheme Purchase of Equipment.		75,000
Providing a generating set and internal wiring of emergency light in Hospital attached to Jawaharlal Nehru Medical college Final		5,562-93

ALIGARH MUSLIM UNIVERSITY CONTD.

1	2	3	4	5
		Assistance for the research project entitled 'A study of Microfossils from the shelf Regions of Goa and Kerala - Dr S.N. Bhalla. VI South East Asia P.G. Nematology Course - Centre of Advanced Study in History Release of Adhoc grant for equipment & Publication during V plan		4,800 5,000 20,000
		Unassigned grant for 1975-76		9,270
		Construction of a Non-resident students centre at Women's college		25,000
		Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Sciences Ist		1,200
		Recurring grant for the Centre of Advanced Study in History		3,00,000
		Construction of Library buildg. at the Women's college		50,000
		Construction of 100 Women's Students Hostel		1,00,000
		Visit of Dr. Mohd. Zafar, Lecturer in Physics to U.K. under the Programme of Exchange of Visits by Younger Scientists between India and U.K.		8,724
		Holding of 5th Indian Colloquium on Micropaleontology and Stratigraphy from 16th to 18th February, 1976.		2,000
		Construction of Electrical Engineering Block for Z.H. Engineering College	10th	60,000
		Part-time degree course in Engineering for diploma holders		57,232-75
		Basic grant for the purchase of library books and journals during 5th plan for the development of Engg. & Technology	IIInd	15,000
		Development of New Teaching Methods, material and Aids for Physics Education.		50,000
		Jr. Research Fellowship in Sc.		900
		Construction of Road	IXth	75,000
		Total:		9,89,204.20

1	2	3	4	5
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3. ALLAHABAD UNIVERSITY

Assistance for the Research Project entitled 'Kinetics and Mechanism of Oxidation of Sugars by some less Familiar Oxidants' of Dr. S.P. Mishra, Deptt. of Chemistry.				10,000
Purchase of equipment for science facilities during 5th Five year plan				2,00,000
Basic grant for the purchase of Library books & Journals during the V plan period	2nd			10,000
Utilisation of services of Outstanding Retired teachers				11,000
-do-				5,050
-do-				3,293-09
Students Aid Fund 1975-76				24,068
Construction of two tube wells with overhead tank Hostels				35,000
Construction of overhead tank & tubewell in the Deptt. of Chemistry.				65,000
Construction of Annexe to the A.N. Jha Hostel (50 Room Boys Hostel)				4,000
All India Advance level Summer Institute in Microwaves for college teachers' during 1974				
sanction of grant	2nd			2,779-20
Research Fellowship				1,604-45

AFFILIATED COLLEGES

Allahabad Degree college, Allahabad	Setting of Book-Bank	Final	5,625
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Total 3,77,419.74

4. ANDHRA UNIVERSITY

Grant-in-aid for the purchase of Equipment for Humanities/ Science Departments during 5th plan period	P.G. Centre	Ist	2,66,000
Construction of Gymnasium		4th	10,000

1	2	3	4	5
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ANDHRA UNIVERSITY CONTD.

Introduction of Correspondence Courses.				1,25,000
Unassigned grant for the year 1975-76			Ist	25,000
Utilisation of Services of Outstanding Retired teachers				2,000
Purchase of equipment				3,00,000
Payment of Unassigned grant for the year 1974-75.				9,000
Financial assistance to teachers in the universities and colleges for undertaking research of learned work in Humanities and Social Sciences/Sciences.			Ist	1,250
Assistance for the research project entitled 'Cytogenetic Mapping of Mutant Phenotypes and Cytochemistry of B - Chromosomes in Pennisetum				14,000
Purchase of Books and Journals for Humanities/Science deptts.			Ist	1,33,000
Writing of University level books/monographs				2,000
Award of Jr. Fellowship to P.G. students admitted into M.E.				2,00,000
Writing of University level books/Monographs.				3,666
Programme of Special Assistance to Selected Departments.				
Deptt. of Geology				65,000
Research Fellowship				1,193-55
-do-				1,500
-do-				1,500
-do-				2,467.74
-do-				2,596.77
-do-				3,525.81
-do-				3,366.29
-do-				6,000
-do-				4,800
Setting of Book-Bank			Ist	11,250

AFFILIATED COLLEGES

SVK Degree college, Nidadavole	Students Aid Fund			816
Govt. college for Women, Guntur	-do-			1,000

1	2	3	4	5
	Dharma Apparao College	Students Aid Fund		732
	Muzsid			
	SVAM college, Narayana	-do-		616
	SYN college, Nagarpur	-do-		1,447
	SRV BSJB Mhz Hance			
	college, Peddapuram	-do-		1,021
	SCIM college, Tanuku	-do-		1,000
	Govt. college, Tokbali	-do-		758
	JKC college, Guntur	-do-		3,260
	VRS & YRN College, Chatrala	-do-		1,431
	Andhra Jateeya Kalasala,			
	Machilipatnam	-do-		1,750
	AS Govt. college for			
	Women, Kakinada	-do-		1,728
	S.B. & N College,			
	Narasarapoet.	Grant for purchase of Library		
		Books and Journals and Lab.		
		Equipment Vth plan period		
		Improvement of Under graduate		
		educational facilities.		45,000.
	A.M.A.L. college,			
	Anakapalli	Financial assistance to		
		teachers in the universities		
		and colleges for undertaking		
		research or learned work in		
		Humanities including Social		
		Science	Ist	1,500
	A.M.A.L. College,			
	Anakapalli	-do-	Ist	500
			Total:	12,56,674.86

5. ANNAMALAI UNIVERSITY

Research fellowship		4,800
Centre of advanced study		
in Marine Biology		5,000
Assistance for the research		
project entitled 'Studies		
on the Marine Hlagonistic		
Streptomycetes of Dr. J.		
Chandemohan, Centre of		
Advanced Study in Marine		
Biology.		15,000
Construction of students Hostel	6th	30,000
Assistance for research work		4,800
Const. of P.G. Block	6th	30,000
Purchase of Equipment for		
P.G. Course.	Final	5,000
	Total:	94,600

6. A.P. SINGH UNIVERSITY

AFFILIATED COLLEGES

Govt. Girls College, Rewa.	Book grant for 1970-71	2nd	1,124.81
Motilal Nehru Law college, Chhatarpur	Students Aid Fund		138
Maharaja college, Chhatarpur	Construction of Teachers's Hostel	4th	50,000
Total:			<u>51,262.81</u>

7. AVADH UNIVERSITY

Bajrang Mahavidyalaya, Kunda Pratapgarh	Grant towards the loan of books to students - setting up of Book-Bank	1st	5,625
Total:			<u>5,625</u>

8. BANGALORE UNIVERSITY

	Utilisation of services of Outstanding Retired Teachers		4,556.45
	Award of Junior Fellowship to the students of post-graduate courses in Engineering and Technology Research Fellowships		1,00,000 4,800
	Assistance for the research project entitled "Stability of conducting and non-conducting flows ii. waves in conducting fluid - incompressible and compressible. iii. Flow problems including lubrication problems".		9,600
	Writing of University level books/ monographs.		924.43
	Organisation of Summer Institute in English for college Teachers		30,000
M.E.S. Teachers College, Malieswara	Students Aid Fund		167
S. Nijalingappa college, Bangalore.	College Science Improvement Programme.	3rd	33,000
Acharya Pathasala college of Arts Commerce, Science, Bangalore	Construction of Library Building	Final	29.57
Christ College, Hosur	Development Schemes under 5th plan period - purchase of lab. equipment	1st	25,000
Viswaswarapura college of Arts, Sc. and Comm. K.K. Road, Bangalore	Establishment of Book-Bank	Final	2,750
A. Veeriyar Vandayar Memorial Sri Pushpan college, Poondi	Development of Postgraduate studies in Science subjects during 4th plan period.	Final	6,000
Total:			<u>2,16,827.45</u>

9. BANARAS HINDU UNIVERSITY

Research Fellowship in Sciences		3,219-35
-do-		4,580-64
-do-		600
-do-		4,800
-do-		1,500
-do-		1,499-97
-do-		1,500
-do-		1,500
-do-		1,494-94
-do-		1,500
-do-		2,000
-do-		1,080-65
-do-		2,141-19
-do-		2,141-94
-do-		2,241-94
Award of Scholarship for P.G. studies to the students belonging to Hill Areas of North Eastern Region & Ladakh.		2,000
-do-		2,000
Assistance for the research project entitled ' Structural Teopography of the Ribosomes and their sub Units' of Prof. O.P. Burma, Head of the Deptt. of Biochemistry.		2,500
Programme of Special assistance Programme to Selected Departments Department of Metallurgy.		70,000
Assistance for the Research Project entitled 'Studies on the causes and Prevention of ageing of mammalian terrus' Prof. M.S. Kanungo.		2,400
Improvement of Swimming Pool, Sport Facilities etc. under Students Amenities Programme.		15,000
Writing of University level books / Monographs.		2,000
Construction of twenty two Ministerial staff quarter during 4th plan period	4th	8,608.30
Construction of 10 quarters for Class IV staff during 4th plan period.	4th	11,056.51
Construction of 4 staff quarters for Supdt./Asstt.Suptd. and one quarter for P.A. to Vice-Chancellor	Final	77,603-19
National Scholarships - Centre of Advanced Study in Philosophy		250-07
Utilisation of Services of Outstanding Retired Teachers.		1,250
Construction of college building for Music and Fine Arts Deptt.	Final	1,826.32

BANARAS HINDU UNIVERSITY CONTD.

Writing of University level books/ monographs.		690-93
Payment of Recurring grant for staff - Setting up of an Industrial Complex.		44,224.83
Additions & alterations of the Poultry shed.		20,000
Assistance for the research project entitled 'Chemical and Pharmacological evaluation of Psychoactive substances occurring in Indian Medical Plants.'		
Dr. S. Ghosal.		6,000
Centre of Advanced Study in Philosophy		87,000
Financial assistance to teachers for undertaking research work.		1,250
		<hr/>
Total:		<u>3,87,460.77</u>

10. BERHAMPUR UNIVERSITY

Assistance for the research project entitled 'A study of boundary value problems for functional differential equations' of Dr. Narhari Parhi, Deptt. of Mathematics.		2,400
National Associateship Scheme		188-50
Setting up of a Research in Muriono Science.	Ist	10,000
Unassigned grant during 5th plan	2nd	10,500
National Associateship scheme	Final	476
Financial Assistance for Research work or learned in Humanities including Social Sciences/Sciences	Ist	600
Visit of Dr. B.K. Patnaik, Reader in Zoology to U.K. under the Prog. of exchange of visits by Younger Scientists between India and U.K.		10,737
Assistance for the research project entitled 'Harmonic Analysis' and Some aspects of summability in the Sequence and function spaces'		2,400
Establishment of Students-aid fund		571

AFFILIATED COLLEGES

S.K.C.G. College, Paralkhemundi	Establishment of Book-Bank.	2nd	3,250
D.A.V. College, Koraput	-do-	Final	1,500
Khallikote college, Berhampur	Students Aid Fund		<hr/>
			2,389
			<hr/>
		Total:	<u>45,011.50</u>

11. BHAGALPUR UNIVERSITY.

Support for advanced research in the Humanities and Social Sciences	III	15,000
Assistance for the Research Project entitled 'Studies on the Morphology and Physiology of the Respiratory organs of Commercially Important Fishes of India in Relation to Habitat' of Prof. J.S.Datta	4yh	12,000
University Grants Commission Assistance for the research project entitled 'Physiological and Biochemical Studies on seed Microflora'		3,600
College Science Improvement Programme	4th	50,000

AFFILIATED COLLEGES

S.K. Mahila college, Begunarai	Construction of Non-Resident Students Centre.	Final	5,000
Marwari College, Bhagalpur.	Support for advanced research in the Humanities and Social Sciences.	2nd	4,000
	Deoghar College, Deoghar	Ist	5,500
Total:			95,100

12. BHOPAL UNIVERSITY

Financial assistance to teachers for undertaking research or learned work in Humanities including Social Sciences/Sciences	Ist	2,500
Establishment of Printing Press		50,000
Publication of Research works including Doctoral Theses during IV Plan period.		2,000
Annual Session of the National Science Academy at Bhopal		5,000
Junior Research Fellowship in Sc.	Ist	8,000
Students Aid Fund		1,500

AFFILIATED COLLEGES

Maulana Azad College of Technology, Bhopal	Students Aid Fund grant for 1975-76		1,037
	Utilisation of Services of Outstanding Retired Teachers		1,000
Total:			71,125

13. BIHAR UNIVERSITY
AFFILIATED COLLEGES

Gopeshwar College, Hathua.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences/sciences.	Ist	1,750
L.S.College, Muzzarpur	-do-		1,500
JLN Memorial College, ghoranahan.	Construction of Library Bldg.	3rd	12,000
Total:			14,250

14. UNIVERSITY OF BOMBAY

The Third International Conference on Culture collections and the Regional Training Course in Culture Collections.			30,000
Research Fellowship in Humanities			3,451-61
-do-			8,096-55
Post-graduate Course in Chemical Engineering & Chemical Technology			16,564-50
-do-			45,000
College Science Improvement Prog.	Ist		12,300
Senior Research Fellowship			5,403-25
Students Aid Fund			5,000
Publication of Research work Programme of British Assistance to Centres of Advanced Study			28,298-58
Publication of Research Work including Doctoral Theses.			5,513-30
15th Refresher course in Nuclear Physics & Solid State Physics			45,367-82
Centre of Advanced Study in Applied Chemistry.			29,000
Establishment of Students Aid Fund.			15,000
P.G. Course in Chemical Engg.			20,000
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences/Science.			48,000
	Ist		750

AFFILIATED COLLEGES

H.N. College of Commerce & Economics Churchgate, Bombay	Students Aid Fund		2,250
Khalsa college, Matunga	-do-		2,750

BOMBAY UNIVERSITY CONTD.Affiliated colleges contd.

Central college of Arts and Science for Women, Nuven.	Students Aid Fund		868
Maharashi Dayanand College of Arts and Science, Parel.	Establishment of Book-Bank	Final	4,152
K.J.Sonya college of Science, Bombay	-do-	Ist	5,000
Sophia college, Bombay	College Humanities and Social Sciences Development Programme Assistance for the research project entitled 'Studies of the Neuroendocrine control of Moulting and reproduction in Lobsters' by Dr. D.V. Rangnekar	2nd	10,000
Institute of Sc., Bombay.			5,000
S.L.U.J college of Arts and S.M.V. college of Science, Bombay	Utilisation of Services of Outstanding Retired teachers.		5,000
Maharashtra college of arts and science, Bombay	-do-		2,048-39
Seth G.S. Medical college, Pabel, Bombay	-do-		6,000
Sophia college, Bombay	College Humanities and Social Sciences development Programme	3rd	6,000
Wilson college, Bombay	-do-		20,000
D.G. Ruparal college, Senapati Bapat Marg, Bombay.	Basic grant for the development of P.G. studies in Humanities and Social Sciences - Purchase of Lib. Books and journals scientific equipment for p.g. departments	Ist	30,000
Rammiranjan Jhunjhunawala Arts and Science college, Ghatkopar.	-do-	Ist	45,000
St. Xavier's college, Bombay	-do-	Ist	60,000
-do-	-do-	Ist	45,000
R.K. Talreja College of Arts, Science and Commerce, Ulhasnagar	-do-	Ist	15,000
Total:			5,81,814.00

15.4. BURDWAN UNIVERSITY

Unassigned grant		5,000
Grant-in-aid towards the development of Health Centre	Ist	10,000
Grant-in-aid towards indoor games, booksets in hostels	Ist	25,000
Grant-in-aid towards the purchase of furniture.	Final	5,000
Grant-in-aid Use of out-Station research facilities.	Ist	25,000
Grant-in-aid Development of Museum and Art Gallery	Ist	15,000
Grant-in-aid for the purchase of Scientific equipment.		3,00,000

AFFILIATED COLLEGES

Kalna college, Kalna	Students Aid Fund		3,750
Bankura Christian college, Bankura	-do-		2,431
Bankura Sammilani college, Bankura	-do-		2,750
Sambhunath college, Labpur	-do-		1,750
Banwarilal Bhalotia college, Asansol	-do-		1,500
Suri Vidyasagar college, Suri Birbhum	-do-		2,229
Ramananda college, Bishnupur	Laboratory equipment and furniture	Final	6,587
Vivekanand Mahavidyalaya, Burdwan	Financial assistance to teachers for undertaking research or learned work in Humanities including Social Sciences/Sc.	Ist	2,100
Asansol Girls college, Asansol	Establishment of Book-Bank	Ist	8,000
Bankura Christian college, Bankura.	-do-	Ist	11,000

Total: 4,27,097

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16. University of Calicut

	Construction of Language block Ist stage during Vth Plan Period.	Ist	2.00 Lakhs
	Grant-in-aid for the purchase of equipment for Science faculty Vth Plan period.	Ist	3,29,000/-
	-do-		2,41,000/-
	Construction of Radiation Research lab. for the Physics department.		20,000/-
	Construction of Library Building		25,000/-
	Grant in aid for the development of Teacher Education- Payment of Grant of Staff Salary.		45,000/-
	Assistance towards the study Centre.		8,000/-
	Senior Research Fellowship in Science payment of fellowship.		6,774.19
<u>AFFILIATED COLLEGE</u>	Financial assistance to teachers in universities and colleges for undertaking research or learned work in Humanities including Social Sciences/Science payment of Ist instalment of grant.	Ist	1,600/-
Pazhassi Raja N.S.S. College, Mattampur	-do-	Ist	1,000/-
Shyampur Siddheswari College, P.O. Ajodhya (Hawrah)			
Government College Madapally-Kerala State	Purchase of Library Books.	Final	89.95
Christ College, Irinjalakuds (Kerala)	Basic grant for the purchase of equipment during the fifth Five Year Plan Period.	Ist	5,000.00
Farook College, Farrook College P.O. Calicut (Kerala).	Construction of Gymnasium	Vth	5,000.00
Government College Kasargod (Kerala)	Utilisation of services of outxtending retired Teachers		3,293.10
Farook College, Farook, Calicut (Kerala)	payment of grant in respect of Sri K.S.V. Shenoy		
	Grant for purchase of books and equipment-Vth Plan period Improvement of undergraduate Educational facilities.		67,500.00
Sirsyed College, Taliparamba Kerala	-do-		30,000.00

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Affiliated College Contd..

M.S.S.College, Manjeri- Kerala	Book Bank Release of 2nd & final Instalment.	2,500.00
Marcy College, Palghat- Kerala	Grants Towards the loan of books to Students- Release of final instalment.	2,500.00
St. Mary's College, Sultan's Battery, Kerala,	Grant towards the loan of books to students- Setting up of Book Banks.	8,000.00
Nirmalgiri College, Nirmalgiri, Kerala	Students Aid Fund in the Colleges- Grant for 1975-76	975.00
M.E.S.Mampak College Mampak, Kerala	-do-	1,000.00
Farook College, Farook, Calicut	-do-	1,223.00
N.S.S. College Manjeri- Kerala	-do-	679.00
St. Joseph's College, Devagiri, Calicut	-do-	970.00
Providence Womens College, Calicut, Kerala.	-do-	1,086.00
Guruvayurappan College, Kozhikoda- Kerala	-do-	1,134.00
Total		10,08,324.24

CALCUTTA UNIVERSITY

Organisation of Workshop in Economics.	20,000.00
Grant in-aid for the Implementation of N.S.S. in Universities-1975-76	8,000.00
-do- 1974-75	4,000.00
University Grants Commission Assistance for the research proj. entitled High Field Surface Carrier Mobility in Semiconductors".	1,10,000.00
Basic grant for the purchase of IInd equipment during the 5th Plan period for development of Engineering & technology.	1,25,000.00
University Grants Commission Assistance for the research project entitled "Valuations-in universal Algebra" by Dr. S.P.Bandyo padhyay. Reader. Deptt. of Pure Mathematics.	3,900.00

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		UGC Assistance for the research proj. entitled "Studies on the Aphids of Nagaland and Manipur with special reference to Biology and Control of some of the Economical Important Aphid Species".		8,700.00
		UGC Assistance for the research proj. entitled "Molecular Biology: Biophysical Aspects "of Dr. R.K.Poddar, Deptt. of Physics,		25,000.00
		Holding of 2nd Annual Conference from 10-12th April, 1976 at Calcutta.		2,000.00
		Holding of Seminar(i) Code of Professional Ethics for college and University Teachers (ii) Education for the needs of India to be held on the occasion of the Golden Jubilee Conference.		5,000.00
		Writing of university level books/monographs.		2,600.00
		Basic grant for the purchase of library books & Journals during the Vth Plan period.		2,00,000.00
		Organisation of All India Summer Institute Short term course in Electronics for Post Graduate colleges 1976.		30,000.00
		Utilisation of Services of outstanding retired teachers- payment of grant in respect of Dr. R.M.Datta.		1,000.00
		-do- Prof. Ankul Chandra Banerjee		3,293.10
		Financial Assistance to teachers in Ist the universities and colleges for undertaking research or learned work in Humanities including Social sciences - payment of first instalment of grant.		1,200.00
		-do- Ist		2,500.00
		-do- Ist		1,500.00
		-do- Ist		450.00
		Junior Research Fellowships in Sciences payment of contingency grant		749.48
		-do-		1,500.00
		-do- to Shri B.K.Chaudhary		1,194.92
		-do-		4,129.03
		-do-		3,277.42
		-do-		1,900.00
		-do-		6,600.00
		-do-		4,800.00

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AFFILIATED COLLEGE : CALCUTTA UNIVERSITY

Tamralipta Mahavidyalaya P.O. Tamruk Midnapore	Financial Assistance to Teachers for research/learned work in Humanities and social Sciences- payment of II instalment.			1,500.00
St. Paul's C.M College, Calcutta.	-do-	Final		1,000.00
Y.S.Palpara Mahavidyalaya, P.O.Palpore, Distt. Midnapore	-do-	Ist		1,125.00
M.S.S. College, Agartala (Tripura)	-do-	Ist		1,250.00
-do-	-do-	Ist		300.00
Nabadwip Vidysagar College, Nabadwip (WB)	-do-	Ist		1,000.00
Krishnath College, Berhampore Distt. Murshidabad, (W.B)	-do-	Ist		1,800.00
Shairab Ganguly College Calcutta-5	-do-	Ist		1,000.00
S.A.Jaipuria College Calcutta-6	-do-	Ist		1,200.00
R.K.Mission Vidyamandir, P.O. Belur Math Distt. Howrah.	-do-	Ist		555.00
New Alipore College Calcutta-63	-do-	Ist		1,200.00
Taki Govt. College Taki (24 Parganas)	-do-	Ist		550/-
Lal Bada College - 117, G.T.Road P.O. Belmath, Howrah, (WB)	-do-			900.00
Krishnagar College	-do-	Ist		500.00
Krishnagar Nadia. Women's College Agartala (Tripura)	Grants to college libraries for loan of Books to Students during 5th plan.	Ist		16,000.00
Bir Bikram Evening College, Agartala (Tripura)		Ist		11,000.00

1	2	3	4	5
Behala College of commerce Parnagree, Bohala Calcutta.		Grants to college libraries for loan of books to Students Book Bank during 5th Plan.	Ist	8,000.00
Kidderpore college 2, Pitambar Sircar Lane Kidderpore (WB)		-do-	Ist	8,000.00
Vidyasagar College 39, Sankar Ghosh Lane, Calcutta. -6		-do-	Ist	11,000.00
Chittaranjan College 8A, Beniátola Lane, Calcutta-9		-do-	Ist	4,500.00
Belda College, P.O.Belda Dt. Midnapore (WB)		-do-	Ist	5,500.00
Netaji Nagar College, Netaji Nagar Park, Calcutta		-do-	Ist	8,000.00
Gurudas College of Commerce Calcutta-53		-do-	Ist	4,500.00
Charuchandra College, 22, Lake Road, Calcutta		Establishment of Book Bank in college during 4th Plan.	IIInd	5,500.00
Vivekanda Contenary College Roharat Distt. 24 Parganas (WB)		-do-	IIInd and Final	11,250.00
Behala College of Commerce, Parnasree, Calcutta.		Students' Aid Fund in the Colleges- Sanction of Grant for the year-1975-76		600.00
K.K.Das College of Commerce, Baishmalghata P.O.-Garia (24 Parganas (West Bengal)		-do-		1,000.00
Kidderpore College, 2, Pitamber Sircar lane, Kidderpore (WB)		-do-		1,178.00
Bidhanchandra College, Asansol (WB)		-do-		5,000.00
Sudhiranjan Lahiri Mahavidyalaya P.O. Majdia, Nadia (WB)		-do-		1,000.00
Surendranath College, Calcutta (WB)		-do-		2,995.00

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Affiliated Colleges Contd.				
	Lal Baba College, 17, Grand Trunk Road, Babur, Howrah (WB)	Students Aid Fund in the Colleges Sanction of grant for the year 1975-76 regarding.		1,500.00
	Bangabasi College, Calcutta-9	-do-		1,828.00
	Uluberia college, Ulberia, Distt. Howrah.	-do-		2,396.00
	Sabag Sayanikanta Mahavidyalaya Village- Temathani, Lutunis	-do-		1,000.00
	Muralidhar Girls College, Ballygunge, Calcutta.	-do-		6,750.00
	Susil Kar College, Ghoshpur, P.O.Champathi, Distt. -24 Parganas (WB)	-do-		1,186.00
	Bond Hooghly College of Commerce, 111/2, Barrackpore Trunk Road. Hooghly.	-do-		500.00
	Vivekananda College for Women, Barisha- Calcutta.	-do-		1,175.00
	Maharaja Manindra Chandra College, 20, Ramkanto Boso Street. Calcutta.	-do-		1,400.00
	Vidyasagar Evening College 39, Sankar Ghosh Lane, Calcutta.	-do-		1,576.50
	K.K.Das College of Commerce, Baishnabghata, p.o.Garia 24 Parganas	-do-		1,000.00
	Deshbandhu College for Girls 58/A Sadananda Road, Calcutta.	-do-		680.00
	Acharya Prafulla Chandra College, New Barrackpore, 24 parganas, (WB)	-do-		1,600.00
	Sri Shrikasyatan College, Calcutta	-do-		2,750.00
	Harimohan Ghose College, j-206, Paharpur Road, Calcutta.	-do-		413.00
	R.K.S. Mission Vivekananda Vidybhavan, 33, Nayapatti Road. Dum Dum Calcutta.	-do-		299.00

1	2	3	4	5
Affiliated College Calcutta University Contd.				
Vijaygarh Jyotish Ray College, Calcutta.	Students Aid Fund in the Colleges Sanction of grant for the year 1975-76 regarding.			970.00
Bengabasi Evening College, 19, Scolt lande, Calcutta.	-do-			3,078.00
			Total	<u>7,47,298.45</u>

18. Cochin University

Grant-in-aid for the payment of Salaries to additional Staff for Science Departments- Fourth Plan Scheme- Release of final instalment.		4,730.14
Grant-in-aid for the purchase of books and journals (Science) Vth Plan period		85,000/-
-do-		1,95,000.00
College Science Improvement third programme- Selected Colleges Project Grant-in-Aid.		50,000.00
		Total -
		<u>3,34,730.14</u>

19. University of Delhi

Junior Research Fellowships in Humanities including Social Sciences payment of Contingency grant to Smt. Saroja Sreedhar.		911.35
Senior/junior Research Fellowships in Sciences/Humanities including Social Sciences/Research Fellowships in Engineering & Tech. payment of contingency grant.		1,500.00
Junior Research Fellowships in Humanities including Social Sciences payment of contingency grant to Shri. V. Annamalai.		996.14
-do- To Sh km Kanta rani Bhatia		4,300.00

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		Junior Research Fellowships in Humanities including Social Sciences/Research fellowships in Engineering & Technology. to Km. Kanta Rani Bhatia -		4,300.00
		Award of Scholarship for P.G. Studies to the students belonging to hill areas of North Eastern Region of India.		2,000.00
		Indo-Hungarian Cultural Exchange programme- Payment of salary to Mr. G. Bethlenfalvy.		1,772.85
		Faculty of Arts- study of Non-persian sources of Mediaeval Indian History- Payment of grant of securing source Material- Development schemes during II five year plan		12,704.28
		Schemes of Assistance for the publication of learned Research work including Doctorate Thesis.		40,000.00
		Indo Polish Cultural ezchange Programme sanction of grant towards the salary of Dr. A. Kero.		10,000.00
		International symposium on the psychology of cognition.		5,865.00
		Delhi University- University College of Medical Sciences Maint. Grant for 1976-77		3,30,750.00
		Support for advanced research in the Humanities and Social Sciences.		1,500.00
		All India Principal's Conference held on 4th to 5th October, 1975		52,463.00
		Re-prographic Unit- V Plan Proposal		80,000.00
		Support for Advanced Research in the Humanities and Social Science- IInd		10,000.00
		Release of grant.		
		Delhi- University- University A IIIrd College of Medical Sciences.		1,25,000.00
		University grants Commission assistance for the research proj. entitled Thermodynamics and Electrochemistry of Melton Salts of Prof. H.C. Gaur.		5,000.00
		-do-		7,000.00
		-do-		12,000.00
		Utilisation of services of outstanding retired teachers - payment of grant in respect of Prof. D Sharma.		1,250.00
		South Delhi Campus- Release of grant of purchase of furniture and equipment.		1,12,561.00
		Creation of post for non-academic staff.		20,000.00

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		Financial Assistance to teachers in the universities and colleges for undertaking research or learned work in humanities including social sciences.	Ist	900.00
		Delhi University - University college of Medical Sciences.		3,68,000.00
		Allocation of Rs. 7.20 lakhs for fellowships awarded by the University out of its maintenance grant consequent upon the enhancement of the value of regarding.		2,75,000.00
		Sanction of Contingency grant to Shri S.K. Jairath - People's Friendship University Moscow- Training in India through U.G.C.		1,000.00
		Scheme of assistance for the publication of learned Research work including doctorate thesis.	Ist	50,000.00
		Basic grant for purchase of scientific equipment during Vth Five year Plan	4th	3,75,000.00
		Centre of Advanced Study in Chemistry- Univ. of Delhi- Release of recurring grant- awards of National Scholarship during 75-76		5,500.00
<u>Affiliated college</u>		UGC Assistance for the research proj. entitled the Chemistry of Some Metal Chelate Compounds" of Prof. R.D.Singh		3,800.00
School of Corresp. Courses.-N.D.		Financial Assistance to teachers in the universities and Colleges for undertaking research work in sciences.		1,500.00
-do-				
Sri Venkateswara College	-do-			1,000.00
Dhaura Kuan, N.D.	-do-			3,000.00
St. Stephen's College, N.D.	-do-			
Ramjas College, N.D.	-do-		Final	231.00
	-do-		Ist	1,500.00
S.C.T.B.Khalsa College. N.D.	-do-		Ist	1,750.00
Delhi College, Delhi	-do-		Ist	1,000.00
Daulat Ram College, N.D.	-do-		Ist	2,500.00
Dayal Singh College, N.D.	-do-		Ist	1,000.00
Shri Ram College		All India Seminar on Commerce Education of Commerce, Delhi, and the Challenge of the eighties.		5,000.00
Deshbandhu College, Kalkaji, New Delhi.		Transfer of B.Sc. (Hons) Botany and Zoology courses to colleges.		4,000.00
-do-	-do-			10,000.00
Mirunda House, Patel Ghest Marg, Delhi.	-do-			40,000.00

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Affiliated Colleges Contd. (Delhi University)				
	Kirori Mal College Delhi.	Transfer of the teaching of Botany and Zoology (hons) to the colleges.		10,000.00
	-do-	-do-		1,998.25
	Ramjas College, Delhi	Award of scholarship for PG Studies to the students belong to hill areas of North Eastern Region & Ladakh.		2,000.00
	Maitrayi College Netaji Nagar.	Purchase of furniture for for additional class rooms.		200.00
	Deshbandhu college Kalkaji, Delhi.	Construction of Lectures rooms in the Science Block of the College.		5,000.00
	-do-	Additions and alternations in the buildings.		20,000.00
	Lady harding Medical College and Hospital, New Delhi.	Travel Grant to Dr. Mrs. K Prakash Assistant Prof. of Microbiology		3,222.50
	I.P. College, Delhi.	Development of play field & purchase of assessories for games & sports.	Ind	1,500.00
	School of Corresp. continuing Edu. Delhi.	Grants to Schools/Institutes / Directorates of Correspondence courses	Ist	30,000.00
	Maitrayi College Netaji Nagar, N.D.	Purchase of Library Books for B.A. Hons. Pol Sce and B.A. Pass Course.		1,500.00
	Ram Lal Anand College Anand Niketan Marg N.D.	-do-		3,000.00
	Lady Sri Ram College for Women, Lajpat- nagar. N.D.	Purchase of furniture & equipt.		8,106.00
	Satyawati Co-educational College Timarpur.	-dp-		900.00
	Miranda House Delhi.	-do-		474.65
	Lady Shri Ram College for women, Lajpat Nagar N.D.	Fixing of Iron Grills and Jalies to the office and extended library.		2,308.74

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Affiliated Colleges (Delhi University)				
Shivaji College, Karampura, N.D.	Construction of College Buildings,			2, 00, 000.00
St. Stephen's College Delhi-	Expenditure to the Lahul and Zanakar areas of Himachal & Ladakh.			4, 000.00
Ram Lal Anand College, Anand Niketan Marg, New Delhi.	Purchase of furniture for staff room Common Room and Library Block.			30, 000.00
Satyawati Co-Education College, Timarpur. N.D.	Purchase of land for the college Building.			60, 000.00
Jankidevi Maha- Vidyalaya, Delhi.	Financial Assitance to College/ for development of play field.& purchase of accessories for games & sports.	Univ.	Ind	1, 500.00
College of Vocational studies, 7, Booter's Lane, Gole Market N.D.	Purchase of library books			401.40
Hastinapur College Day Moti Bagh. N.D.	Purchase of a duplicator machine.			427.82
Swami S. College, Alipur, Delhi.	Purchase of furniture and equipment			17, 000.00
Bhagat singh College Kalkaji N.D.	Purchase of library book			4, 500.00
Vivekanand Mahila College, DELHI.	Introduction of BA (Pass) courses in education w.e.f. 74-75 purchase of library book.			1, 500.00
SG.T.B. Khalsa College, Karol Bagh, New Delhi.				18, 000.00
Lady Shri Ram-College for Womens L.P.Nagar, N.D.	Lighting arrangements on the front and boundary lawns.			10, 000.00
S.Venkateshwara College, Dhaura kuana, N.D.	Purchase of library Books			10, 000.00
-do -	-do-			20, 000.00
Lady Shri Ram College Womens L.P.Nagar, New Delhi.	for Financial Assistance to college for development of play fields and purchase of accessories for games and supports.	Ind		1, 500.00

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Affiliated Colleges of Delhi Univ.

Bharti Mahila College Link-Road, N.D.	Purchase of furniture and equipment			5,000.00
Shri -do-	Colleges affiliated to the Delhi Univ. Provision for the purchase of water coolers.			109.00
College of Education Vocational Studies, Dr. Lande Cole Market N.D.	Purchase of furniture and equipment for general use of the college.			5,000.00
Shri V. College Dhaura Kuan, N.D.	Purchase of library books			16,000.00
-do-	-do-			15,000.00
Kamla Nehru College, Panchshila Park Marg, N.D.	-do-			1,500.00
-do-	-do-			1,500.00
Miranda House, Patel Chest Marg, ND.	Transfer of the teaching of botany and Biology (Hons) to the College w.e.f. 73-74.			2,000.00
Shri. V. College, Dhaulakuan, New Delhi.	Purchase of library books and Lab.			78,000.00
Hastinapur College, Moti Bagh, N.D.	Establishment of Students Aid Fund Payment of grant.			3,780.00
-do-	-do-			7,500.00
Dr. Zakir Hussain Memorial College, Ajmeri Gate, Delhi, P.O.S.A.V. College, Mehru Nagar, R. Rd. N.D.	-do-			4,500.00
Maitrayi College Netaji Ngr. N.D.	-do-			5,140.00
Lakshmi Devi Collge, Ashok Vihar, Delhi.	-do-			6,320.00
Shivaji College, Karampura, N.D.	-do-			8,000.00
R.A. Kaur College of Nursing, N.Delhi.	-do-			5,556.00
				480.00

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	Hastinapur College Day Class, -- Moti Bagh, N.D.	Grants to affiliated colleges Delhi Univ. for loan of books to students. setting up of B/Bank		4,651.88
	Shyam Lal College, Day Shahdara Delhi.	-do-		11,350.00
	P.G.D.A.V College, Nehru Nagar, -- Ringh Road, N.D.	-do-		3,750.00
	Ram Lal Anand College, Evening, Anand Niketan Marg.	-do-		7,750.00
Total -				26,55,480.86

20. Dibrugarh University,

Grant in aid for the purchase of equipments for Humanities deptts. during the 5th Plan period. 15,000.00

Affiliated colleges

D.H.S.K.Commerce
College, Dibrugarh.

Student's Aid Fund in the Colleges
Sanction of grant for the year
1975-76 regarding. 1,000.00

Dibrugarh H.S.Kanoi
College, Dibrugarh,
Assam

Utilisation of Services of out-
standing Retired Teachers payment
of grant in-respect of Dr. J.Basu. 1,250.00

Majuli college,
P.O.Kamalbai
(Sibasagar, Assam

Students' Aid Fund in the colleges
sanction of grant for the year 75.-76. 300.00

Total- 17,550.00

21. Central Insititute of
English & Foreign
Languages.

Organisation of Summer Institute in
English for College Teachers. 30,000.00

Junior Research Fellowship in
Humanities allocation of funds
implementation of Scheme. 13,500.00

Award of UGC Fellowships of Rs.
300/- p.m. to outstanding
participants of the Summer
institute in English. 1,200.00

Total - 44,700.00

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2. Gauhati University

	Grant-in-aid towards the construction of 2nd Readers and 6 Lecturers Quarters.		25,000.00
	-do-		4,000.00
	Assesment of the work of Junior Research Fellow so as to become eligible to receive fellowship.		503.23
	Grant in aid towards the construction of 2nd Block of Teachers Hostel- 4th Plan scheme.		30,000.00
	Junior Research Fellowships in Sciences		413.79
	Humanities Extension in Fellowship tenure.		
	-do-		2,090.32
	Grant in aid for the purchase of Computer-time 5th plan scheme		5,545.00
<u>Affiliated Colleges</u>			
D.M.College Imphal	Financial Assistance to teachers in the universities and colleges for undertaking research or learned work.	Ist	2,500.00
Ravindra Sadan Girls College, P.O. Karim Ganj Assam	-do-	Ist	2,500.00
G.C. College, Silchar.	-do-	Ist	1,500.00
Pragjyotish College, Gauhati	Establishment of Book Bank	2nd	3,250.00
Bilasipara College, Bilasipara Goalpara (Assam)	-do-	Ist	4,000.00
Gohati College, Gauhati.31	Student's Aid Fund in the colleges- Sanction of grant for the year 75-76		317.00
Assam Engg.College, Gauhati, Assam	-do-		1,750.00
Arya Vidyapeeth College, Gauhati.	-do-		2,107.00
Tejpur College, Tejpur, Assam	-do-		503.00
Dakshin Kamrup College, Mirza Assam.	-do-		750.00

Total.	<u>86,729.24</u>
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<u>23. University of Garhwal</u>				
	Birla Govt. Post-Graduate College, Srinagar, P. Garwal	University Grants Commission Assistant for the research project entitled "Study of impurities in metals"		5,000.00
	Swami Ram Tirtha Govt. Degree College Tehri (Tehri Garhwal)	Students Aid Fund in the Colleges for 1975-76		307.00
	M.K.P. College, Dehradun (U.P.)	-do-		2,650.00
			Total	7,957.00
<u>24. University of Gorakhpur</u>				
		Establishment of Study Centre- Sanction of grant 1975		850.00
		Purchase of library books & Journals (Humanities).		25,000.00
		-do-		25,000.00
		College Science Improvement programme- University leadership Project in Chemistry; Grant in aid.	1, third	50,000.00
		Establishment of Study Centre Sanction of grant for.		10,000.00
		Purchase of library books & Journals		50,000.00
		Junior Research Fellowships in Humanities including Social Sciences, Engineering and Technology.	4,	800.00
		-do-		2,800.00
		-do-		1,500.00
		Unassigned grant 75-76 Sanction grant of		7,734.26
<u>Affiliated Colleges Gorakhpur</u>				
	L.B.S.S. Degree College, Anandnagar, Gorakhpur (U.P.)	Construction of Additional Teaching Accommodation.		1,07,000.00
	-do-	Purchase of Geography equipment		38,000.00
	Shivpati Degree College, Sohrat Garh Basti.	Book Bank	Final	2,813.00
	Jawaharlal Nehru Smarak Degree College, Maharaj ganj. Gorakhpur.	Construction of additional teaching accommodation.	Ist	1,20,000.00

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1	2	3	4	5
Affiliated College Gorakhpur University (Contd.)				
	Budh Vidyapeeth Degree College, Nowgarh (Basti)	Student Aid Fund in the colleges- Grant for 1975-76		1,750.00
	B.B.D. Medical College, Gorakhpur.	-do-		350.00
	Budha Degree College, Kusiinagar, Deoria	-do-		4,250.00
	Baba Raghav Das Bhagwan Das Degree College, Ashram E erhaj, Deoria.	-do-		1,000.00
	Madan Mohan Malvia Degree College, Kalkankar, Pratapgarh (U.P.)	-do-		1,000.00
	Satish Chandra College, Balia	-do-		2,646.00
	Kamla Nehru Instt. of Sce. and Tech. Sultampur.	-do-		1,420.00
	Udai Pratap College, Varanasi	-do-		4,250.00
	Udit Narayan Post-graduate Degree College, Padrauna (Dt. Deoria)	-do-		2,250.00
	S.G.R. Degree College, Dobbi Jaunpur			2,700.00
	L.B.S.S. Degree College, Anandnagar.	-do-		1,750.00
	S.S.S.V.D. College, Ghazipur	-do-		600.00
	Dig Vijai Nath Degree College, Gorakhpur.	-do-		1,408.00
	Shri M.M. Degree College, Ballia.	-do-		3,750.00
	K.B. Degree College, Dubhar, Ballia.	-do-		6,000.00
	L.B.S.S.D. College, Anandnagar.	Regarding setting of book Bank.		8,437.00
	Swami D.D. College, Mathlar, Deoria	-do-	Ist.	8,437.00
	Shiva Degree College, Terali Caitanganj.	-do-	Ist	5,625.00
	Azamgarh .		Total	<u>6,03,120.26</u>

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

1	2	3	4	5
		Release of Grant under Students aid fund for the year 73, 73-74 & 74-75.		5,142.00
		Junior Research Fellowships in Sce.		3,209.68
		Payment of fellowship and contingency,		
		Establishment of a department of Adult/ Continuing education.		25,000.00
		Writing of University level Books/Monogram		3,000.00

Total 36,351.60

26. Gujarat University Ahmedabad

Allocation of Unassigned grant	Final	15,000.00
Proposal of the Gujarat University for starting a postgraduate Centre in Space Sce.		54,500.00
Construction of Class IV Staff Qtrs.		90,000.00
Development of play fields & purchase of accessories for games & sports.	Final	1,250.00
Research Fellowships in Sce.		4109.68
Implementation of Examination Reforms Programme Sanction Grant for.		20,000.00
Construction of Gyamandium.		30,000.00
Purchase of furniture for three hostel building.		30,000.00
Organisation of summer Institute in English for College Teachers		30,000.00

Affiliated College Gujarat University

M.G. Science Instt. Ahmedabad	Construction of the wall and over head tank.	Final	10,000.00
S.L.S. Arts College, Ahmedabad	Financial Assistance to Teachers for research/Learned work in Humanities and social-Sce.	Final	900.00
Borsad Science and Law College, Borsad (Kaira) Gujarat State	Construction of N.R.S.G.	Final	5,000.00
S.B.B.C.College, Relief Rd. Ahmedabad.	Students Aid Fund in the college.		2,750.00

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Affiliated College Gujarat University Contd.

SARDAR Vallabh bhai Commerce College, Relief Road, Ahmedabada.	Students Aid Fund in the Colleges Grant for 1975-76			2,750.00
Seth M.N. Science College and Shri & Smt. P.K.K. Arts College, PATAN, Gujarat.	-do-			2,750.00
S.K.S.A. College, V.N.Parekh Commerce College, Kapadgang Gujarat State.	-do-			1,750.00
Shri Natvarsinghji Arts and Sce. College, Chhota Udepur Baroda	-do-			914.00
Shree Lunawada Arts & Sce College, Lunawada Gujarat.	-do-			1,610.00
C.B.Patel Arts College, NADIAD (Gujarat)	-do-			1,611.00
Smt. B.C.J.College, of Education, Bethak Rd. Kamsay (Kaira)Gujarat.	-do-	750.00		
M.S. Bhagat & C.S. Sonawala Law College, Nadiad- Gujarat.	-do-			507.00
Shri R.K.P.A. & M.K.P.C. College, Petlad, Gujarat	-do-			2,155.00
Shri H.S. Shah College, of Commerce Modasa (Gujarat)	-do-			1,000.00
M.A & C. College, Mehsana (N Gujarat)	-do-			3,250.00
B.A & S. College, Palampur (N.Gujarat)	-do-			1,700.00
Government's Arts & Commerce College, Gujarat.	-do-			1,039.00
B.S. & Law College, Gujarat.	-do-			290.00
P.E.S.S. Sheth D.L. Law College, Gujariat.	-do-			360.00

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<u>Affiliated Colleges : Gujarat University</u>				
	Smt. B.C.J. Sce. College. Gujarat.	Students Aid Fund in the Colleges Grant for 75-76		1,000.00
	Sheth P.T.Arts & Sce College Gujarat.	-do-		2,166.00
	M.N. College, Gujarat	-do-		1,663.00
	S.A. & C. College, Ahmedabad.	-do-		1,750.00
	Sheth S.D.Arts and Shah B.R.C. College, N. Gujarat.	-do-		1,750.00
	C.U. Shah Science College, Ashram Rd. Ahmedabad.	-do-		1,000.00
	M.G.Sce. Institute, Ahmedabad.	-do- and Development of play fields & Purchase of accessories for games & sports.	Ind.	1,500.00
			Total	<u>3,26,775.58</u>
<u>27. Gujarat Agr. University</u>				
	B.A. College of Agriculture Anand Campus Anand.	Students Aid Fund in the College Grant for 75-76		1,164.00
			Total	<u>1,164.00</u>
<u>28. GURU NANAK UNIVERSITY</u>				
		Organisation of Workshop in history		5,000.00
		Grant for Library Books & Journals.		1,50,000.00
		University Grants Commission Assistance for the Research Project entitled "Studies of the Interaction of Metal Ions with Model Biological Molecules "		12,207.00

1	2	3	4	5
		Establishment of Students Aid Fund in Universities -74-75		1,000.00
		Financial Assistance to teachers in the universities and colleges for undertaking research or learned work	Ist	300.00
		Organisation of Workshop in Hisotry.		15,000.00
		Construction of Library Building		4,00,000.00
		Allocation of 'Unassigned Grant'		15,000.00
		College Humanities and Social Sciences Development Programmes.		15,000.00
	B.U.C. College, BATALA.			
	-do-	-do-	II Ird	20,000.00
	Dayanand Amarnath College of Edn.	Development of Teachers Trg. Programmes in Teachers Training Colleges during Fourth Plan period.	Final	6,933.00
	Guru Arjan Dev College, Taran Taran, A Amritsar.	Development of pay field & purchase of accessories for games & sports.		1,500.00
	D.A.V. College, Jullundur	Utilisation of Services of O/S retired Teachers.		2,250.00
	Khalsa College, Amrit Sar,	Students Aid Fund in the College-Grant		4,250.00
	Sikh National College, G.Pur	-do-		1,000.00
	Doaba College, Jullundur	-do-		3,250.00
	B.U.C. College, Batala.	-do-		2,250.00
	R.R.M.K. Arya Mahila Mahavidyalaya, Pathankot	Setting up of Book-Bank.	Ist	5,625.00
	Khalsa College, Amritsar	Financial Assistance to teachers in the universities and colleges for undertaking research or learned work in humanities.	Ist	1,250.00
	-do-	-do-	Ist	1,000.00
			Total	6,62,815.00

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29. Haryana Agricultural University

Writing of university level books/Monographs	258.07
-do -	1,008.00
Total	1,266.07

30. Himachal Pradesh University

Junior Research Fellowships in Sciences.	3,140.00
payment of Fellowship.	
Construction of Women's Hostel for 80 Students	2,50,000.00
Visit of Dr. AR-Khan, Associate professor of History to U.K. under the Programme of Exchange of Vistis by Younger Scientists.	9,822.10

Affiliated Colleges. H. Univ.

Govt. College Nahian H.P.	Establishment of Book Bank.	Final	3,250.00
G.B. Pant Memorial Govt. College. Rampur H.P.	Students Aid Fund in the Colleges		554.00
Govt. College, Solan H.P.	Grant to affiliated Colleges for setting up of Book Bank.	Final	1,875.00
Total			2,68,641.10

31. Hyderabad University

Acquisition of workshop and wood working machine	Ist	3,00,000.00
Construction of Boundry wall H.B.Univ.	Ist	2,50,000.00
Proposal for providing electricity to the six sheds - for teaching purpose.	Ist	3,50,000.00
Purchase of Mini-Diesel Bus.		75,000.00
Purchase of Books and Journals	Final	10,00,000.00

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1	2	3	4	5
<u>Hyderabad Univ.</u> <u>Contd.</u>	Payment of grant of the repair renovation of "Golden Throhold" and "Gopal Clinic"			1,75,000.00
	Purchase of books and Journals	Indist		10,00,000.00
	Purchase of stacks and furniture for lib.			2,00,000.00
	Organising a competition for the design of the layout of the University and other incidental expenses.			1,50,000.00
			Total	35,00,000.00

32. Indira Kala Sangit Vishwavidyalaya.

Unassigned grant for 75-76 10,000.00

Indore University

Total. 10,000.00

33.

Allocation of unassigned grant during 74-75 1,112.00

Release of grant for the purchase of Scientific equipment during 5th plan 1,75,000.00

Financial Assistance for the Pub. of Learned/Research work including Doctoral thesis 5,000.00

Allocation of Unassigned grant 12,500.00

Govt. Arts & Commerce College. Junior Research Fellowships in Humanities including Social Sciences 1,500.00

-do- -do- 1,500.00

P.M.B. Gujarati Students Aid Fund in the Colleges Science College, 2,750.00

Sanyotiganj Indore -do- 1,495.00

Govt. Degree College MHOW -do- 5,000.00

P.M.B.G.A. C& Law College, Indore, MP -do- 5,000.00

Govt. Girls Post Graduate College, Moti Tabala Indore. -do- 4,250.00

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Indore Affiliated Colleges Contd.

Govt. Sanskrit College, Indore.	Construction of Library Building	50,000.00
Govt. Arts and Commerce College INDORE	Utilisation of Services of O/S retired Teachers.	1,080.00
<u>Total 777</u>		<u>2,61,187.00</u>

34. Jabalpur University

Examination reform- Workshop on Grading April 3-4-76.		6,500.00
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Affiliated Colleges

Kanta Prasad Guri Bhasha Bharati, Jabalpur	Grants to College Libraries.(Book Banks)	4,500.00
M.H.College of Home Science for Women Jabal Pur	-do-	17,000.00
G.S.College of Commerce and Eco. Jabalpur.	-do-	16,000.00
Govt. Sce. College, Jabalpur	-do-	4,750.00
Navyug Arts and Commerce College, Jabalpur	-do- & Aid Fund in the Colleges.	330.00
Govt. Tilak College, Katni. (M.P.)	-do-	706.00
Govt. Sce.-College, Jabalpur(M.P.)	-do-	3,306.00
<u>Total</u>		<u>53,086.00</u>

35Jadavpur University

1	2	3	4	5
	Equipment & Furniture -Degree course in Chemical Engg.	5th	10,000.00	
	Financial Assistance to teachers in the Universities and Colleges for undertaking -- research or learned work in Humanities.	1st	1,800.00	
	-do- Research Fellowships		4,109.69	
	-do-		274.19	
	-do-		1,000.00	
	Junior/Senior Research Fellowships in See. Humanities incl. S. Sciences.		624.26	
	-do-		4,800.00	
	-do-		6,812.00	
	Award of scholarship at MasterIs level		240.00	
	Establishment of a Regional Computer Centre		17,00,000.00	
	Equipment- Instrumentation and Electronics Engg.	7th	10,000.00	
	Grant in aid for the purchase of equipt. for degree courses.	7th	30,000.00	
	Construction of Post-Graduate formacy building .	3rd	75,000.00	
	Adhoc grant for equipment & Library books.		14,00,000.00	
	Equipment Degree Course in Mechanical Engineering	6th	20,000.00	
	Furniture- Department of Architecture	Final	2,500.00	
	Grant in aid for construction of students Amenities Centre	IVth	10,000.00	
	UGC Assistance for the research proj entitled Stratigraphy of the Sedimentary Sequence around Ncyveli etc.		2,400.00	
	Furniture- Degree Course in Mech Engineering Fourth-Plan.		8,000.00	
	Books - Post graduate Diploma Course in Engineering.		15,000.00	
	Grant in aid towards the construction of Staff quarter	4th	50,000.00	
	Construction of Gymnasium.	3rd	30,000.00	
	Total		33,82,560.14	

1	2	3	4	5
<u>36. University of Jammu</u>				
		Establishment of a department of Adult Adult/Continuing Education.		15,000.00
		Purchase of Equipment during 5th Plan		7,475.00
		Development of Computer Facilities during 2nd 5th Plan	15,00,000.00	
		Utilisation of services of O/S retired teachers- payment of grant.		1,250.00
		Junior Research Fellowships in Humanities including Social Sces/Research Fellowships.		2,024.14
		-do-		2,622.55
		Award of Scholarship for P.G. Studies to the students belonging to Hill areas		2,000.00
		University Grants Commission Assistance for the research project entitled "Studies on the productivity on Shuian Sar Lake, Jammu"		4,800.00
		Financial assistance to teachers in the Universities and colleges for undertaking research or learned work in Humanities including S/Sces.	Ist	1,800.00
		Total.		15,36,971.69

37. Jawahar Lal Nehru University

	Senior/Junior Research Fellowships in Humanities Enggineering and Tech. Extension in Fellowship.	600.00
	Senior Research Fellowships in Sciences.	3,258.00
	Junior Research Fellowships in Humanities including Social Sciences/Research Fellowships.	2,493.55
	-do-	7,981.29
	Senior/Junior Research Fellowships in Science s/Humanities including Social Sciences/Research fellowships in Engg.	1,500.00
	-do-	2,493.55
	Junior Research Felloships in Humanities including Social Sciences.	2,493.55
	Payment of Scholarships/Junior Research Felloships during Vth Plan.	Ist 6,00,000.00

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Jawaharlal University Contd.

Senior / Junior Research Fellowships in Humanities including Social Sciences.	251.94
Purchase of stationary & other material required for running the computer centre	1st 1,50,000.00
Payment of grant to Jawaharlal Nehru university for the salaries of non-academic staff- Vth Plan	1st 2,00,000.00
Assesment of the work of Junior research fellow so as to become eligible to receive fellowship	900.00
Basic grant for purchase of-Scientific equipment for Univ ersity P.G. Centre at Imphal during 5th plan.	3rd 75,000.00
Appointment of teaching staff during 5th Plan	1st 16,00,000.00
Finance Assistance to teachers in the Universities and colleges for undertaking research or learned owork in Humanities including Social Sciences.	1st 1,250.00
Purchase of library Books & Journals for the development of Library	1,22,803.16
Purchase of Diesel Engine 1997 Wagon.	51,984.94
Construction of B&C type quarters in the jawaharlal nehru university Campus.	3,30,000.00 8th
Total -	31,52,410.04

38. Jiwaji University

Grants for support of research in the universities during V plan period.	25,000.00
Basic grant for the purchase of library books and journals during the 5th Five year plan.	93,500.00
Conference on present status and Scope of Intensive Care nits in the treatment of diseases to be organised in 76.	2,000.00
Confèrence of Principals of Physical education College in India at T.T. State College.	3,000.00

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Jiwaji University Contd.

Affiliated Colleges

Govt. Science College, Gwalior (M.P.)	Senior Junior Research fellowships in Science Humanities including Social Sciences/Research Fellowships in Engineering.		4,800.00
-do-	-do-		4,800.00
Govt. Girls Degree - College, Morar, M.P.	Students Aid Fund in the Colleges.		1,000.00
Ambah Postgraduate College, Ambah, M.P.	-do-		1,750.00
Total			<u>1,35,850.00</u>

39. JODHPUR UNIVERSITY

Junior Research Fellowships in Sciences/Humanities/Engineering and Technology- Extension in Fellowships tenure.		2,400.00
-do-		1,492.74
-do-		4,800.00
-do-		1,500.00
All India Political Science Conference December 1973.		5,000.00

Affiliated Colleges
Jodhpur University

Shri Mahesh Teachers College, Jodhpur. (Raj).	Students Aid Fund in the Colleges	1,750.00
Total		<u>16,942.74</u>

1	2	3	4	5
<u>40. Kalyani University Kalyani</u>				
	Grant in aid for the purchase of equipment for Central Library for the Fifth Plan.	<u>Ist</u>		25,000.00
	Construction of Health Centre Building.			50,000.00
	Sr. Jr. Research Fellowships in Sce/Humanities including S.Sciences/Research Fellowships.			8,588.71
	Sr. Research Fellowships in Sciences.			2,000.00
	Unassigned grant during 5th Plan period.	<u>final</u>		12,500.00
			Total -	<u>98,088.71</u>

41. Kanpur University

Affiliated Colleges.

Janta Mahavidyalaya, Ajitmal, Etawah. U.P.	College Libraries (Book Banks)	<u>IInd</u>	3,250.00
J.L.N.M.D. College, Barabanki (U.P.)	-do-		8,437.00
P.N. College, 96/12 Mahatma Gandhi Marg, Kanpur	College humanities and Social Sciences Development programme.	<u>IInd</u>	10,000.00
Janta Mahavidyalaya, Ajitmal (Distt. Etawah)	Students Welfare Programme.	<u>IInd</u>	4,000.00
-do-	Book grant to affiliated college	<u>IInd</u>	1,375.00
J.L.N.M.P.G. College, Barabanki.	Jnr. Research Fellowships in humanities including Social Sciences.		4,800.00
Dayanand Girls College, 13/394, Civil lines, Kanpur	Utilisation of services of O/S retired teachers.		3,250.00
J.L.N.M. Degree College, Barabanki.	-do-		2,250.00
Y.D. College, Lakhimpur- Khari	Students aid Fund in the Colleges.		3,038.00
P.P.N. College, Kanpur	-do-		3,750.00
Brahmavarta Degree College, Mandhana, Kanpur	-do-		436.00
	Tot	p.t.o.	<u>44,586.00</u>

1	2	3	4	5
<u>42. Karnatak University</u>				
		Utilisation of services of O/S retired teachers.		3,239.80
		Seminar on John Fleet		2,921.00
		College Science improvement programme	1,50,000.00	
		University Leadership Project in Chemistry.		
		6 week short term course in Mathematics.	30,000.00	
		Jnr. Research Fellowships in Humanities including Social Sciences.	4,800.00	
		-do-		7,045.15
		-do-		4,800.00
		Snr. Research Fellowships in Science	3,000.00	
		UGC Assistance for the Research Proj.	2,400.00	
		4th Plan Development Schemes.	80,000.00	
		Development Schemes under Plan Period unassigned grant for the year 75-76	15,000.00	
		Establishment of Book Bank		1,875.00
	<u>Affiliated Colleges</u>			
	S.B.College of Sce, Gulberga (Karnatak)	Financial Assistance to teachers in the University and colleges for Ist undertaking research or learned work in Humanities including Social Sciences.		2,000.00
	Smt. A.S.N. College, for Women, Bellary			
	BLDE Associations Arts and Science College, Jamakhandi Karnatak State.	Establishment of Book Bank Scheme. IIInd		2,750.00
	Lingraj College, Belgaium, Karnatak State.	-do-		IIInd 2,750.00
	Koturswamy College of Education Beilary(Karnatak State)	Development of Teachers Trg. Colleges under 5th Plan.	Ist	10,000.00
	BLDE Association Arts and Sce College, Jawkhandi	Students Aid Fund to Colleges		1,000.00
	Jagadgurm Tontedarya College, S.C. Rly.	-do-		1,750.00
				p.t.o.

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<u>Affiliated Colleges Karnatka Nniversity</u>				
Veers Saiva College, Beilary Karnatak	Students aid fund to colleges for the year 1975-76			2,000.00
Lingraj College, Karnatak State		-do-		2,250.00
Karnatak University Dharwar		-do-		5,000.00
Rajaj Lakshmgonda Law College, Belgam Karnatak State		-oo-		1,580.00
G.I. Bagewadi Arts And Science College, Nipani Karnatak State.		-do-		398.00
S.B. College of Arts, Gulbarga -3 Karnatak State		-do-		1,750.00
Anjuma Arts College, Bijapur (Karnatak State)		-do-		4,500.00
			Total	<u>3,42,808.95</u>

43. University of Kashmir

Financial Assistance to teachers in the
universities and colleges for undertaking
research or learned. Ist. 300.00
Junior Research Fellowships in Sciences. 3rd 928.12

Affiliated Colleges

Govt. Medical College, Srinagar J & K	Financial assistance to teachers in the universities and colleges for undertaking research work in science.	ist	1,250.00
Govt. Degree College, Bemina, Srinagar	Grant towards the loan of Books to students setting up of Book Bank.		7,500.00
Amar Singh College, Srinagar II & K	Utilisation of services of o/S retired teachers.		2,500.00
			Total. <u>12,478.12</u>

1	2	3	4	5
44.	<u>Kashi Vidyapeeth, Varanasi</u>			
	Scheme of Visiting Studentships - end		2,000.00	
	Unassigned grant for the year 75-76		20,000.00	
	Implementation of N.S.S. in Universities		20,000.00	
	Unassigned grant for the year 72-73 and 73-74		1,639.64	
	-do-		10,000.00	
		Total	53,639.64	
45.	<u>University of Kerala</u>			
	Writing of University Level Books/ Monographs.		1,366.22	
	Establishment of Study Centres.		20,000.00	
	Refresher Course in Economics for post graduate College Teachers.		35,000.00	
	University Grants Commission Assistance for the research Proj.		24,000.00	
	-do-		4,200.00	
	Senior/Junior Research Fellowships in Science/Humanities including Social Sciences Research Fellowships in Engg.		6,677.42	
	-do-		3,260.00	
	-do-		3,800.00	
	-do-		1,500.00	
	-do-		1,306.56	
	Organisation of Summer Institute in English for College Teachers during 76.		30,000.00	
	Construction of a students hostel for 50 men post graduate students.	Ist	1,00,000.00	
	<u>Affiliated College Kerala)</u>			
	Sree Kerala Verma College, Trichur	Utilisation of services of O/S retired teachers payment of grant.	3,500.00	

1	2	3	4	5
Affiliated Colleges Kerala University				
Vimla College Trichur Kerala	Utilisation of Services of Q/S retired teachers.			995.30
Maharaja's College, Ernakulam (Kerala)		-do-		775.86
St. Thomas College, Palai Kerala	Basic Grant for purchase of Library books and Equipment (Sciences) Vth Plan.			10,000.00
St. Peter's College, Kolenchery.	Financial assistance to teachers in the 1st universities and colleges for undertaking research or learned work in humanities.			1,500.00
-do-		-do-	Ist	1,000.00
Mar. Ivanice College, Trivandrum	Basic grant for the purchase of eqpt. during the 5th Plan.		Ist	10,000.00
-do-		-do-	Ist	5,000.00
St. Toresa's College, Ernakulam Kerala		-do-	Ist	5,000.00
St. Berchman's College, Changanacherry Kerala		-do-	Ist	25,000.00
-do-		-do-	Ist	7,500.00
Mar Thoma College, Tricalla Kerala		-do-		10,000.00
Union Christain College, Alwaye Kerala		-do-	Ist	5,000.00
-do-		-do-	Ist	10,000.00
-do-		-do-	Ist	5,000.00
-do-		-do-		
Fatma Mata National College, Quilon		-do-	Ist	30,000.00
Maharaja College, Ernakulam.	Students Welfare Programme.			5,793.00
Sanskrit College, Trivandrum.	Grant in aid for purchase of library books and journals (Humanities)		Ist	5,000.00
St. Peter's College, Kolencherry, Kerala	Grants towards the loan of books to students setting up of Books Bank.		Ist	5,000.00
N.S.S. College, Nilamol Kerala	Students' Aid Fund in the Colleges.			1,000.00
St. Thomas College, Ranni Pažnavangadi Kerala		-do-		1,000.00
-do- Trg. College, Pilani.		-do-		750.00

1	2	3	4	5
<u>Kerala University Affiliated Colleges</u>				
Mahtma Gandhi College, Kesvadasapuram	Students' Aid Fund in the Colleges			1,674.00
College for Woman Trivandrum	-do-			2,250.00
Sree Narayana College, Sivagiri Verkala Kerala..	-do-			2,250.00
Milad-E-Sherief Memorial College, Kayamkulam Kerala	-do-			1,750.00
			<u>Total</u>	<u>3,66,248.36</u>

46. KUMAUN UNIVERSITY KUMAUN
~~Kumaun~~

Review of S.A.F. Scheme 226.00

Affiliated Colleges.

Motiram Baburam Degree College, Haldwani.	Diancial assistance to teachers in Ist the universities and colleges for undertaking research or learned work in humanities including Scocial Sce.			2,000.00
P.H. Govt. Degree College, Kashipur Nainital (U.P.)	Students Aid Fund in the Colleges			750.00
Almora College, Almora.	Students Aid Fund in the Colleges.			2,660.00
			<u>Total</u>	<u>5,636.00</u>

47. Kurukshetra University

Establishment of Students Aid Fund in the Kurukshetra University.				2,142.00
Two-day convention of the Heads of the Physics Departments of the affiliated colleges of Kurukshetra				5,000.00
Publication of the Digest Praci Jyoti by the the Department of Sanskrit, Pali & Prakrit, Kurukshetra University.				15,000.00
Basic grant for purchase of scientific equipment for the Kurukshetra University Regional Centre for Postgraduate studies.				1,00,000.00

p.t.o.

1	2	Rs	3	4	5
<u>Kurukshetra University Contd.</u>					
	University Grants Commission Assistance for the research proj. entitled X-Ray Diffraction and Three dimensional Crystal Structure Determination of Substances of Chemical.				4,800.00
	Organisation of Summer Institute in English for College Teachers.				30,000.00
	Research Fellowships in Sciences.				2,786.21
	Junior Research Fellowships in Science/ Humanities including Social Sciences.				4,800.00
	-do-				4,800.00
<u>Affiliated Colleges</u>					
I.B. College, Panipat Haryana	Construction of Library Building and Purchase of Books and Furniture.		Final		1,357.00
S.A. Jain College, Ambala city Haryana	Establishment of Book Bank.				2,813.00
M.P. College for Women Mandi Dabwali Haryana		-do-			1,500.00
G.N. Khalsa College, Yamunanagar, Haryana		-do-	2nd		2,813.00
Regional Engineering College, Kurukshetra	Development of play field & purchase of accessories for games & sports.		Final		1,500.00
D.A.V. College, Sadhaura Ambala		-do-	Final		1,244.00
National College, Sirsa Haryana	Students Aid Fund in the Colleges.				1,750.00
D.A.V. College, Ambala City		-do-			2,250.00
C.R. College, of Education Hissar.		-do-			750.00
N.R.S. Govt. College, Rohtak Haryana		-do-			1,579.00
Kurukshetra University Evening College, Rohtak		-do-			1,000.00

1	2	3	4	5
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Kurukshetra University Affiliated Colleges Contd.

S.D.College Ambala Cantt.	Students Aid Fund in the Colleges	2,750.00
Dev Samaj College, for Girls, Ambala Haryana	-do-	1,750.00
Total -		1,92,384.21

48. Lalit Narayan Mithila University Darbhanga

Affiliated Colleges.

C.M.Science College, Science and Law Darbhanga.	College Science Improvement Programme- Selected Colleges Project.	3rd 60,000.00
Total -		60,000.00

49. Lucknow University Lucknow.

Establishment of Students Aid Fund	2,298.00
Utilisation of services of Q/S retired teachers -Dr. B.P. Yadav.	2,419.35
-do- Dr. R.N.Nagar.	3,262.24
-do- Dr. N.H.Hashmi	1,425.00
Snr./Jnr. Research Fellowships in Science/Humanities including Social Sces/ Research FELLOWships in Engineering.	1,500.00
Junior Research Fellowships in Science.	1,870.97
-do-	3,126.67
Establishment of Students Aid Fund	12,000.00
Publication of Research work including doctoral theses.	30,000.00

Affiliated Colleges Lucknow

Nari Shiksha Niketan Lucknow	Grant towards the loan of books to students setting up of Book Banks.	8,437.00
K.H.M. Girls College, Faizabad Road, Lucknow.	Students Aid Fund in the Colleges.	350.00
Jubilee Girls D.College Lucknow	-do-	509.00
Nari Shiksha Niketan Degree College, Lucknow	-do-	2,250.00

Total		69,448.43
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50. MADRAS UNIVERSITY

Senior Research Fellowships in Science- payment of Fellowship.	6257.14
Junior Research Fellowships in Humanities including Social Sciences- payment of Fellowship.	4800.00
Programme of Special Assistance to Selected Departments- Department of Physical Chemistry-Equipment-Release of Grant.	1, 50, 000.00
Examination reform programme- Organisation of Orientation courses for Postgraduate Teachers.	20, 000.00
University Grants Commission Assistance for the research project entitled-"Organic Photochemistry" by Dr. V.T.Ramakrishnan, Lecturer in Organic Chemistry.	2, 400.00
Workshop in Stereotaxic Surgery at the Institute of Neurology.	4, 000.00
Writing of university level books/monographs.	2, 422.59
National Associateship Scheme- Dr. G.Bhamathi.	1, 500.00

AFFILIATED COLLEGES

Seethalakshmi Rama-Swami College Tiruchirapalli	Improvement of undergraduate educational facilities during 5th plan period- Purchase of Laboratory Equipment.	Ist	50, 000.00
-do-	Improvement of under-graduate Educational facilities during 5th Plan period-purchase of library Books and Journals	Ist	30, 000.00
Agurchand Jain College Meenambakkam, Madras.	Improvement of undergraduate Educational facilities during 5th plan period-purchase of books and Journals	Ist	30, 000.00
-do-	Improvement of undergraduate Educational facilities during 5th plan period- purchase of Laboratory Equipment.	Ist	20, 000.00
Shly Cross College Tiruchirapalli-2	Fifth Five Year Plan- Improvement of undergraduate Educational Facilities.	Ist	50, 000.00
Second Heart College Tirupattur, North Arcot.	Improvement of undergraduate Educational facilities-purchase of Library Books and Journals 5th Plan Period.	Ist	40, 000.00

Contd. from pre. page.

Sacred Heart College, Tirupattur, North Arcot.	Improvement of undergraduate educational facilities during 5th Plan - Purchase of Science Laboratory equipment.	Ist	35,000.00
St. Joseph's College Tiruchirapalli-21	Improvement of undergraduate educational facilities during 5th Plan- purchase of library books and Journals.	Ist	20,000.00
-do-	Improvement of undergraduate educational facilities during 5th Plan -Purchase of Laboratory equipment.	Ist	40,000.00
Voorhers College, Vellore (Tamil Nadu State)	Grants to affiliated colleges for improvement of undergraduate educational facilities during 5th five year-plan.	Ist	30,000.00
-do-	-do-	Ist	50,000.00
Vivekananda College Madras	Improvement of undergraduate Educational facilities purchase of Library books and journals.	Ist	25,000.00
-do-	Improvement of undergraduate Educational facilities purchase of Laboratory Equipment-during 5th plan period.	Ist	40,000.00
Maxilium College Vellore (Tamil Nadu)	-do-	Ist	20,000.00
-do-	Improvement of undergraduate educational facilities during 5th plan period-purchase of Books and Journals.	Ist	20,000.00
Loyola College Madras.	-do-	Ist	25,000.00
Stella Maris College, Madras-600086	Improvement of Undergraduate Educational facilities during 5th plan-Laboratory Equipment.	Ist	20,000.00
-do-	Improvement of Undergraduate Educational facilities during 5th plan- Books and Journals	Ist	40,000.00
Vivekananda College Mylapore, Madras	Utilisation of services of out-standing Retired Teachers- Payment of Grant in r/o Shri N. Bhaktavastisalam Ayyangar		2,982.76
Stella Maris College Madras	Construction of Library Building -Fourth plan Scheme.Final	Ex	5,000.00

Contd from pre page.

P.S.C. College of Technology Coimbatore.	Construction of Gymnasium	2nd	6,250.00
P.S.G. Arts College Coimbatore.	Implementation of National Service Scheme release of grant for.		23,000.00
Vivekananda College Madras	College Humanities and Social Sciences Development Programme- Payment of grant.		10,000.00
Shri Ramakrishna Mission Vidyalya Teachers College Coimbatore.	Development of Teachers Training Colleges during 5th plan period	Ist	15,000.00
-do-	-do-	Ist	25,000.00
Shri Avinashingan Teachers' College for Women, Coimbatore.	Development of Teachers Training Educational Facilities during 5th Plan period.	Ist	30,000.00
St. Christopher's Training College Vepery, Madras.	-do-	Ist	15,000.00
Kalaigal Karunanidhi Govt. Arts College for Women, Tiruvarur, Adiyakkamangalam.	Books Bank grant to affiliated colleges- Regarding.	Final	1,124/-
Ag College & Res. Institute Coimbatore.	Financial Assistance to Teachers in the universities and colleges for undertaking research work in Sciences.	Ist	1,250.00
K.K.Govt. Arts College Tiruvannamalai - 3 NA Distt. Tamil Nadu	-do-	Ist	1,500.00
Govt. Arts College for men. Nandanam (Madras-35)	-do-	Ist	1,250.00
Ramakrishna Mission- Vivekananda College Madras	University Grants Commission Assistance for the research project entitled "Preparation of Dimethyl Sulfoxide From Lignin Waste" of Dr. N.Venkatasubramanian. Deptt. of Chemistry.		25,000.00
P.S.G. College of Technology, Coimbatore.	Writing of University Level Books/Monographs.		800.56

Contd from pre page.

Ramakrishna Mission Vivekananda College Madras.	University Grants Commission Assistance for the research project entitled "Preparation of Dimethyl Sulfoxide From Lignin Waste"	6,000.00
National College Tiruchirapalli-1	Basic grant for purchase of books and journals during the 5th Five Year Plan.	20,000.00
-do-	-do-	20,000.00
Sri Avinashilingam Home Science College, for Women, Coimbatore, Tamil Nadu	National Associateship Scheme Dr. Usha Chandrasekhar	215.33
Vellar College for Women, Erode-4	Students Aid Fund to Colleges for the year 1975-76	750.00
St. Joseph's College Tiruchirapalli-2	-do-	2,810.00
Govt. Arts College for Women North Madras, Madras-1	-do-	1,943.00
Loyola College Madras-34	-do-	5,000.00
Providence College for Women, Coonoor (Nilgiris).	-do-	750.00
Govt. College of Engineering, Salem -11	-do-	1,060.00
The principal D.D.G.D. Veishnav College, Madras-29	-do-	2,250.00
A.A.Govt. Atar Salem Distt.	Grants towards the loan of books to students setting up of book banks	8,000.00
Kandeswami Kander's Velur (Salem)	-do-	Final 2,750.00
P.S.G. Arts College Coimbatore-14	Grant to affiliated college for loan of books to students setting up of Book bank	Final 4,750.00
Govt. Arts College for Men Mannarundi	Grants towards the Loan of books to student setting up of book bank	6,000.00
Nirmala College for Women Red Field, Coimbatore.	Grant towards the loan of books to students setting up of bank Book	Final 3,250.00
Total		<u>9,80,065.38</u>

51. Madurai University

Establishment of Students Aid Fund	9,935.00
College Science Improvement Programme- University leadership Project in Biological Science- Fourth Certificate Course in Biological Chemistry-Grant-in-Aid Development Schemes under IV Plan Final Period-Establishment of Study Centre at Madurai and Palayamkottai	50,000 .00
Development Schemes under Plan Period V Annual Conference of Madurai University Teachers Association on Reconstructing Educational Pattern and Introducing grade system.	1,110.00
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.	30,000.00
-do-	2,000.00
-do-	1,500.00
Unassigned Grant for 1975-76 regarding	1,800.00
II	10,000.00

AFFILIATED COLLEGES

Saurashtra College Grants towards the loan of books to Madurai students setting up of book banks.	15,000.00
Sadakatthullah Appa College Palayamkottai	15,000.00
Tirunelveli-2	-do-
P.N.T College Vsilampatti Madurai	-do-
Ayya Nadar Janki Ammal College, Sivakasi (Tamil nadu)	8,000.00
Mlagappa College, Karaikudi Ramanathapuram	-do-
The Standard Fire- Works Rajaratnam College Women. Sivakasi.	15,000.00
Students Aid Fund to colleges for the year 1975-76.	1,390.00
-do-	750.00

AFFILIATED COLLEGES (MADURAI UNIVERSITY) Contd.

Virudhunagar Hindu Nadar's, Santhikumara Nadar College Virudhunagar	Students Aid Fund to Colleges for the year 1975-76		3,750.00
St. John's College, Palayamkottai, Tirunelveli-2	-do-		2,250.00
Aditnar College of Arts and Science, P.O. Virapandianpatnam Tiruchendur (Tirunelveli)	-do-		1,000.00
Lady Doak College Madurai	Utilisation of Services of Outstanding retired teachers- payment of grant in respect of Miss Lucky thomas.		2,000.00
Sarah Tucker College, Perumalpurem, Palayamkottai, Tirunelvel-7	Purchase of equipment during V Plan Period	Ist	10,000.00
-do-	-do-	Ist	20,000.00
Kamraj College Tuticorin.	College Humanities and Social Science Development Programme Payment of grant.	Ist	10,000.00
Saraswathi Narayanan College, Madurai.	Purchase of Books and Journals during the V Plan Period	Ist	10,000.00
-do-	-do-	Ist	30,000.00
Virudhunagar Hindu Nadar's, Senthikumara Nadar College, Virudhunagar.	College Science Improvement Programme- Selected Colleges Project Grant-in-Aid Follow activities.	Ist	80,000.00
Total			3,30,485.00

52. MAGADH UNIVERSITY

Establishment of Study Centre 10,000

AFFILIATED COLLEGES

Kisan college, Sorsarai Financial assistance to teachers
in the universities and colleges
for undertaking research or
learned work in Humanities
including social sciences. Ist 1,250

S.L.Sinha college,
Jahanabad. -do- Ist 1,250

D.K. College, Dumaraon Construction of Additional
Teaching Accommodation 5th 5,000

Jawaharlal Nehru college,
Rohtas. Establishment of Book-Bank Ist 5,500

Ram Rattan Singh
College, Bihar. -do- Ist 4,500

Total: 27,500

53. MARATHWADA UNIVERSITY

Allocation of unassigned
grant during the 5th plan 18,000

Financial assistance to
teachers in the universities
and colleges for undertaking
research or learned work Ist 2,000

Senior Research Fellowship 6,407.14

Construction of Women's hostel Final 15,000

AFFILIATED COLLEGES

S.C.S.College, Omarga Construction of Men's Hostel 2nd 20,000

R.S.Mahavidyalaya,
Latur Students Aid Fund 1,000

P.J.N.Mahavidyalaya,
Naraligah Establishment of Book-Bank Ist 6,000

Total: 67,407.14

54. MEERUT UNIVERSITY

Junior Research Fellowship		3,136-67
-do-		3,564-52
Assistance for the research project entitled 'Dielectric Behaviour of Liquid Crystals in Magnetic and Electric Fields' Dr. V.K. Agarwal, .		2,400
Award of Fellowship		3,969-68
Senior Research Fellowship		6,257-14
Utilisation of Service of Outstanding Retired Teachers		2,000

AFFILIATED COLLEGES

Meerut college, Meerut	-do-		1,250
J. V. Jain college, Saharanpur	-do-		3,293-10
S. S. V. College, Hapur	-do-		2,000
-do-		Basic grant for the development of P.G. Studies purchase of Library books and journals.	17,500
Dewnagari college, Hapur	Book Bank	Final	3,700-50
S. S. College, Saharanpur	-do-	Final	3,750
B. B. M. Degree college, Roorkee	-do-	Final	2,813
Sanatan Dharam college, Muzaffarnagar	-do-	Final	4,688
-do-		College Humanities and Social Sciences Development Programme	3rd 10,000
S. D. College, Muzaffarnagar	College Sc. Improvement Prog.	Final	4,411-48
D. A. V. College, Muzaffarnagar	Junior Research Fellowship		400
L. R. College, Khibad	-do-	1st	1,500

7. MEERUT UNIVERSITY CONTD.

AFFILIATED COLLEGES

Raghunath Girls college, Meerut.	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences/Science	Ist	600
S.S.V. college, Hapur	-do-	Ist	500
D.A.V. College, Muzaffarnagar	University Grants Commission Assistance for the research project entitled 'Studies on the effect of some of the main air pollution on the Chemicals make up of traches.		8,400
B.S.M. College, Roorkee.	Extension of Library Bldg.	Final	13,989
S.D. College, Muzaffarnagar.	College Science improventn Programme.	Ist	80,000
D.A.V. College, Bulandshahr	Students Aid Fund		1,384
Krishak Degree college Miawana	-do-		556
K.L. Mahaila, Meerut	-do-		308
Anamath Singh College, Lakhauti	-do-		617
Jatan Swarup Degree college, Sikandrabad	-do-		1,000
Total:			1, 83, 988.09

55. M.S. BARODA UNIVERSITY

Financial Assistance to Teachers for Research/learned work in Science- Payment of Second instalment of grant.	Final	995.00
University Grants Commission Assistants for the Research Project entitled "Studies on Citrus Vesicle Callus Maintained in-Vitro with Special Reference to Biosynthesis of Citric Acid".		3,800.00
Publication of Gaiwad oriental series .		8,000.00
Establishment of Model Diploma course at Baroda University Polytechnic- Payment of stipends to students		10,902.70
Sanction of basic grant of Rs. 3.00 lakhs for the purchase of Equipment during the Fifth Period.		3,00,000.00
Organisation of Regional Workshop in History.		20,000.00
Introduction of Post-graduate course in Textile Engineering at M. S. University of Baroda- Release of recurring grant for Staff and Maintenance.		33,100.00
Establishment of Students Aid Fund in the Universities 1975-76- Release of Grant for	Final	3,000.00

Total- 3,79,797.00

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Field Training work in Geology during 1975-76	3,000.00
Development of Department of Teachers Education during IV Plan Period- Salary of staff	40,000.00
Purchase of Books and Journals- Increase intake in P.G. Departments in Science subjects.	2,635.00
-do-	20,000.00
Purchase of Books and Journals to P.G. Centre Mangalore during V Plan period out of Basic Grant	5,000.00
Recurring Grant under increase-in-take Scheme for Science Subjects.	90,000.00
Salary of staff relating to Humanities and Social Sciences departments <u>Final</u> approved under IV Plan Development Scheme	12.61
Purchase of books and Journals-Increase intake in P.G. Departments in Science subjects.	5,884.00
Construction of Physics Radiation Final Laboratory and Radiation Store House for physics Department at Mansa Gangotri, Mysore.	2,200.00
Payment of Recurring grant towards the Salary of staff for Chemistry Department.	292.57
National Associateship Scheme- Dr. B.S. Sreekantaradhya	1,000.00
Course of Karnataka History.	1,200.00
College Humanities and Social Sciences Development Programme- payment 4th of Grant.	10,000.00
Utilisation of services of outstanding retired teachers payment of Grant in Respect of R.Gururaja Rao.	961.83
Utilisation of Services of outstanding Retired Teachers payment of Grant in r/o Shri A.V. Srinivasa Murthy.	1,475.00
Utilisation of services of outstanding retired teachers- payment of grant in-respect of Dr. M ANANTASWAMY RAO	1,443.55
-do- Shri K. SUBBARAMAPPA	1,467.24
-do- Shri H.M.SHANKAR NARAYAN RAO	1,629.03
-do- Sri G.N.CHANKRAVARTHY	12,129.03

Mysore University Contd.

Utilisation of Services of outstanding retired teachers-	1,120.97
payment of Grant in r/o Shri R.Gururaja Rao	
-do- Shri N.NAGAPPA	1,250.00
Purchase of Scientific Equipment to the P.G. Centre, Shinoga.	9,000.00
Purchase of equipment for establishment of University Centre for P.G. Studies at Mangalore during V Plan Period	50,000.00

AFFILIATED COLLEGES

S.J.V.P. College Harihar (Karnataka State)	Grants towards the loan of Books to students- setting up of book banks	8,000.00
Regional College of Education Mysore.	Vth Plan period.improvement of Ist undergraduate educational facilities.	6,000.00
Sarada Vilas Law College, Mysore	Students aid Fund to Colleges for the year 1975-76	1,542.00
Manipal College of Education, Udipi	Aid Fund to colleges for the year 1975-76.	750.00
Sri Poornaprajna College, Udipi	-do-	1,750.00
B.D.T. College of Engineering, Davangere	-do-	1,120.00
Sagrada Vilas College Mysore.	-do-	1,000.00
Municipal First Grade College, Chintamani Karnatak State	-do-	1,000.00
S.J.V.P. College, Harihar (Karnatak State)	-do-	750.00
Govt. College Nassan	-do-	2,750.00
Yuvaraja's Colloge Mysore	-do-	2,250.00
Milagres College Kalliampur (S.K)	-do-	956.00
Shri J.M.College of Arts and Commerce Chitradurga Karnataka state.	Establishment of Book Bank	2,750.00
St. Agnes College, Mangalore.	-do-	2,750.00
Sahyadri College, Shinoga.	Grants to colleges for Laboratory Equipment.	1,300.00

Total 2,96,368.73

57. NAGPUR UNIVERSITY

Utilisation of Services of Outstanding Retired Teachers.		4,661.29
National Associateship Scheme		1,000
Students Aid Fund		2,571
-do-		15,200
Junior Research Fellowships in Sciences		500
Construction of Library Bldg. and purchase of furniture.	Final	9,791

AFFILIATED COLLEGES

Vidarbha Mahavidyalaya, Amravati.	Financial assistance to teachers for undertaking research work in Humanities and Social Sciences.	Ist	1,200
Nagpur Mahavidyalaya, Nagpur	-do-	Ist	500
St. Francis De Sales college, Nagpur	Students Aid Fund		797
Smt. Kusharbai Lahoti Mahavidyalaya, Amravati	-do-		1,000
Smt. L.R.T. College of Commerce, Akola	-do-		205
Smt. Radhave Goenka college for Women, Akola	-do-		1,000
Hislop College, Nagpur	-do-		2,082
Janta Kala Vanijya Mahavidyalaya, Melkapur	-do-		376
M.M. College of Sc., Nagpur	Establishment of Book Bank	Ist	3,250
M.P. Deo Memorial Science College, Nagpur	-do-	Final	3,000
Total:			<u>47,133.29</u>

58. NORTH BENGAL UNIVERSITY

Establishment of Health Centre	20,000
Assistance for the research project entitled 'Organotin Co-ordination compounds.	5,400

NORTH BENGAL UNIVERSITY CONTD.

AFFILIATED COLLEGES.

Kalimpong college, Kalimpong.	Financial assistance to teachers for undertaking research work in Humanities and Social Sciences.	Ist	1,000
Siliguri college, Siliguri	-do-	2nd	500
Balughat college, Balurghat.	Establishment of Book-Bank	Final	4,750
Persanna Dev Women's college, Jalpaiguri	-do-		1,000
Mathabhanga college, Mathbhanga.	-do-		482
Total:			<u>33,182</u>

59 NORTH EASTERN HILL UNIVERSITY

Establishment of Students Aid Fund.			4,000
Travel grant in respect of Shri C. Thanthiangh.			300
Award of scholarship for P.G. studies to the students belonging to Hill Area of North Eastern Region & Ladakh.			2,000
-do-			2,000
-do-			2,000
-do-			2,000
-do-			2,000
-do-			2,000
-do-			2,000
-do-			2,000
-do-			2,000
-do-			2,000
-do-			2,000
-do-			2,000
-do-			2,000
Block Grant.	6th		20,00,000
Travel grant			414
Students Aid Fund			468
Total:			<u>20,31,182</u>

60. OSMANIA UNIVERSITY

Short term Instt. in Geography.		18,000
Jr. Res. fellowships in Sc.		3,140
Organisation of English Literature Seminar held January 2-17, 1976	2nd	6,000
Centre of Exploration Geophysics		4,27,616-39
Establishment of Computer Centre.		19,500
Post-Graduate courses in Engg. & Tech. Deptt. of Electrical Engineering.		1,000

AFFILIATED COLLEGES.

Govt. college of Physical Education, Hyderabad.	Establishment of Book-Bank	Ist	7,500
Arts and Science college, Hyderabad	-do-	Ist	7,500
A.V. College of Arts and Commerce, Hyderabad	-do-	Final	3,750
	Assistance for Research work		2,500
C.S. Memorial Arts and Sc. College, Warangal	-do-	Ist	1,000
Urdu Arts (Evening) College, Himayatnagar	-do-	Ist	1,000
Saifabad Science college, Saifabad	Purchase of library books		124-31
New Science College, Hyderabad.	Purchase Books and Equipment		75,000
Women's College, Hyderabad.	Purchase of Furniture		15,446
R.E.R.R. Women's college, Hyderabad	Purchase of Laboratory equipment	Ist	20,034-78
C.K. Memorial Arts and Sc. college, Warangal	Assistance to teachers for res. work	Final	1,250
Vivekananda Evening college of arts, Gowliguda	Students Aid Fund		925
Dr. B.R.R. Govt. College, Jadcherla	-do-		939

Total: 5,31,225.48

61. PANJAB UNIVERSITY

Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences.	Ist	300
-do-	Ist	600
Organisation of Workshop in Economics.		5,000
Utilisation of Services of Outstanding Retired Teachers		7,250
Development of Business Management	Final	2,500
Assistance for the Research Project entitled 'Radiation Damage to Proteins Irradiated in Dry State'		10,000
Assistance for the Research Project entitled 'Cytogenetics the Mosquitoes of India.'		1,500
Junior Research Fellowship		4,800
Award of scholarship for P.G. Studies to the students belonging to Hill Areas of North Eastern Region & Ladakh.		2,000
Development of Business Management		50,000
Establishment of Students Aid Fund		12,000
Assistance to Selected Departments Support for research programmes '2nd		65,000
Organisation of P.G. Training course		3,10,000
		5,000
Establishment of Study Centre		8,400.25
Organisation of Workshop in Law		5,000
Organisation of Workshop in Economics		10,000
Establishment of Book-Bank.	Est	17,000

AFFILIATED COLLEGES.

Gopinath Arya Mahila college, Abohar.

Establishment of Book-Bank	Ist	5,625
G.K.S. Memorial Govt. college, Tanda Umar.		1,478

PANJAB UNIVERSITY CONTD.

AFFILIATED COLLEGES.

Lala Lajpat Rai Govt. college, Dhudiike.	Students Aid Fund		561
Govt. Training college, Faridkot	-do-		664
M.T.S. Memorial college for Women, Ludhiana	-do-		1,000
G.C. Arya Mahila college, Abohar	-do-		1,000
S.G.G.S. Khalsa college, Mahilpur	Construction non- residential students Centre.	Final	5,000
D.M. College, Moga	Construction of Library Building	4th	25,000
Sri Guru Govind singh college, Chandigarh.	Development of play field	Final	1,500
Satish Chandra Dhawan Govt. college, Ludhiana	Students Welfare Programme	Final	4,000
Total:			<u>5,62,178.25</u>

62. PANJABI UNIVERSITY

Research Fellowships in Science/Humanities	4,800
University Grants Commission Assistance for the Research Project entitled 'Human Antigen Programme'	600

AFFILIATED COLLEGES

Govt. Mahendra college, Patiala.	Students Aid Fund	1,750
Total:		<u>7,150</u>

63. PANJAB AGRICULTURAL UNIVERSITY

Research Fellowship in Sc. 4,800

Total 4,800

64. PATNA UNIVERSITY

Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences. Ist 1,500

Construction of Biology Block end 50,000

Utilisation of Services of Outstanding Retired Teachers 9,556-45

Establishment of Students Home in the University Campus 10,000

Organisation of Summer Instt. in English. 30,000

Purchase of equipment. Ist 25,000

Establishment of Book-Bank Ist 8,000

Total: 1,34,056.45

65. POONA UNIVERSITY

Students Aid Fund 10,000

Organisation of All India Summer Instt. in Electronics 30,000

Allocation of Unassigned grant 19,000

Workshop in Legal Education. 20,000

Utilisation of Services of Outstanding Retired Teachers 3,474-14

Centre of Advanced Study in Economics. 50,000

Travel grant 329

Travel grant 129

Writing of University level books/mnographs. 1,757-75

Establishment of Students Aid Fund 15,000

Junior Research Fellowships in Sc. 3,380

-do- 4,206-45

-do- 3,500

College Sc. Improvement Programme 6th 1,00,000

POONA UNIVERSITY CONTD.

College Science Improvement Programme - University Leadership Project in Physics.	.6th	1,00,000
Organisation of Summer Science Institute in Physics for college teachers during summer 1971.		6,852-11
-do-		17,086-51

AFFILIATED COLLEGES

Deccan college of P.G. & Res. Institute, Poona	Utilisation of Service of Outstanding Retired teachers		1,000
Cultivation of Science Law college, Poona	-do-		4,927-42
MES Abasaheb Garware college, Poona	Establishment of Health Centre	Final	12,848
S.S.V.P. Sc. college, Dhulia	Financial assistance to teachers in the universities and colleges for undertaking research work in Sciences .	Ist	2,500
Gokhale Instt. of Political Sc., Poona.			2,500
M.J. college, Jalgaadh	Construction of Library Building	5th	50,000
Sir Pareshurambhau college, Poona	College Humanities and Social Sciences Development.	2nd	5,000
Arts, Science & Commerce College, Pachora.	Establishment of Book-Bank	Ist	4,500
H.P.T. college for Arts, Nasik.	-do-	Ist	15,000
C.D. Jain College of Commerce, Shri Rampur	-do-	Final	1,500
H.P.T. College, Nasik	-do-	Ist	8,000
M.E.S. Abasaheb Garware college, Karve Road, Poona	Students Aid Fund		2,750
T.B.N. Torvake College, Shri Rampur	-do-		2,174
S.T.D.M. Arts, S.E.B. & S.H.D. Commerce & S.M.A. Science college, Shirpur	-do-		1,000
N.V.P.N. Arts and Commerce college, Laxalgaon	-do-		750

POONA UNIVERSITY COMPD.

S.S.V.P. Arts and M.P.M.A. Commerce college, Dhulia	Students Aid Fund	3,534-10
Tilak College of Education, Poona	-do-	448
Arts, Science and Collegee college, Chalisgaon	-do-	1,200
Law college, Poona	-do-	2,653
J.M. College of Commerce, Poona	-do-	2,514
		<hr/>
		Total: 5,00,913.48
		<hr/>

66. RABINDRA BHARATI UNIVERSITY

Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities and Social Sc.	Ist	750
Grant-in-aid towards the salary of staff appointed in Huamnities and Social Sciences.	Final	11,286
Grant-in-aid towards the establishment of Students-Aid-Fund		4,500
		<hr/>
	Total	16,536
		<hr/>

67. RAJASTHAN UNIVERSITY

Project on Alternation of Furniture	5,000
Junior Research Fellowship	4,800
Regional Workshop in Philosophy	10,000
Purchase of Scientific equipment	1,15,048-63
Utilisation of Services of Outstanding Retired Teachers.	2,145-55
Organisation of Summer Instititute in English for college teachers.	30,000
Laison and dialogue between Philosophy teachers of the University and the Pandit's of Maharaja's Sanskrit College Ist	1,000

RAJASTHAN UNIVERSITY CONTD.

Writing of University level Books/monographs.		1,846-17
Establishment of Book-Bank	Ist	17,000

AFFILIATED COLLEGES

Govt. college, Kota	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences/Sciences.	Ist	2,500
Dayanand college, Ajmer	-do-	Ist	750
S.S. College, Mukundgarh	-do-	Ist	1,500
Govt. College, Ajmer	-do-	Ist	1,500
Govt. college, Kota	-do-	Ist	750
Govt. Teachers Training college, Bikaner	Financial assistance to teachers for research/learned work in Humanities and Social Sciences.	Final	750
	Inter-disciplinary Seminar on Human Settlement.		13,397-50
Ial Bahadur Shastri college, Jaipur	Utilisation of Services of Outstanding Retired Teachers.		1,000
Adarsh Degree college, Ajmer.	-do-		2,750
Govt. college, Ajmer	-do-		3,241-38
Bangar college, Jaipur	Development of Play Field	Final	1,500
	Indo-Czech C.E.P.		133-55
Govt. college, Sirohi	Financial assistance to teachers in the universities and colleges for undertaking research work	Ist	1,500
Govt. college, Ajmer	Students Aid Fund		5,000
Govt. college, Dholpur	-do-		529
Sheth S.R.C. College, Pathepur	-do-		750
Govt. Girls college, Bhanatpur	-do-		750
M.D. college, SriGanganagar	-do-		1,750
Bangar college, Pali	-do-		498
Govt. college, Dungarpur	-do-		468

RAJASTHAN UNIVERSITY CONTD.

Govt. college, Dungarpur	Students Aid Fund	468
Govt. Mahila college, Alwar	-do-	476
B.V. college of Education, Banasthali	-do-	750
Govt. college, Sirahi	-do-	870

Total: 2,31,221.78

68. RANCHI UNIVERSITY

Junior Research Fellowship	5,100
Seminar on Lekhak Apne Parvesh Men's in Hindi	10,000
Establishment of Computer Centre	Final 16,90,000

AFFILIATED COLLEGES

Bila Instt. of Technology, Mesara Ranchi.	Research fellowship in Sc.	7,200
St. Columba's college, Hazaribagh.	Construction of Men's Hostel	Final 20,000
Simdega college, Simdega	Establishment of Book-Bank	Final 3,250
Ganeshilal Agarwal college, Palamau	Construction of additional teaching accommodation.	4th 25,000
K.E. Women's college, Hazaribagh.	Establishment of Book-Bank	Ist 4,500
Sindri college, Sindri	-do-	Ist 5,500
St. Columbia's college, Hazaribagh.	Construction of Men's Hostel	Final 2,240
Girdih college, Girdih	Purchase of Laboratory equip.	Final 5,000

Total: 16,87,790

69. R.V.E. UNIVERSITY

Purchase of Scientific equipment	3,25,000
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RAVISHANKAR UNIVERSITY CONTD.

	Establishment of Study Centre at Bilaspur and Raipur		42,623
<u>AFFILIATED COLLEGES</u>			
P.D. Postgraduate Commerce and Arts college, Raigarh.	Students Aid Fund		1,650
Govt. Degree college, Jagdalpur	-do-		1,545
K. Govt. Arts and Sc. college, Raigarh.	-do-		1,750
Champa Devi Jain Patrikalin Mahavidyalaya, Raipur	-do-		542
Chhattisgarh Mahavidyalaya, Raipur	-do-		988
Govt. College, Bhatapara	-do-		472
Jawaharlal Nehru Degree college, Sakti	Establishment of Book Bank	Ist	4,500
Chhattisgarh Mahavidyalaya, Raipur	Development of P.G. Studies	2nd	12,000
		Total:	<u>3,91,070</u>

70. ROHILKHAND UNIVERSITY

AFFILIATED COLLEGES

Kanya Mahavidyalaya, Degree College, Bhoor	Establishment of Book Bank	Ist	4,500
Sahu Jain college, Najibabad	-do-	Ist	8,437
Comaldas Hindu Girls college, Moradabad	-do-	Ist	11,250
-do-	-do-	Final	3,000
		Total:	<u>27,187</u>

71. ROOZEH UNIVERSITY

Basic grant for the purchase of equipment	Ist	6,00,000
Jr. Res. Fellowship		4,800
	Total:	<u>6,04,800</u>

72. SAMBALPUR UNIVERSITY

University Grants Commission Assistance for the research project entitled ' Studies on Heterocyclic Compounds. '	2,500
Basic grant for the purchase of Books and Journals during 5th plan	82,500
Construction of 3rd Boys Hostel Ist.	1,00,000
Assistance for different schemes	2,25,000
Appointment of Development Officer	25,000
Field Trips for the Department of Biological Sciences.	5,000
Establishment of Health Centre	20,000
Purchase of Scientific equipment 3rd	1,00,000
Const. of Library Building	1,00,000

AFFILIATED COLLEGES

D.A.V. College, Titagarh.	Students Aid Fund		372
Rajendra College, Bolangir	Development of Play Fields	Final	1,492
Gangadhar Mehar college, Sambalpur	Students Aid Fund		3,427
Total:			<u>6,65,291</u>

73. SAMPURNANAND SANSKRIT VISHWAVIDYALAYA?

Junior Research Fellowships	4,800	
Utilisation of Services of Outstanding Retired Teachers.	13,588.71	
Total:		<u>18,388.71</u>

74. SARDAR PATEL UNIVERSITY

National Associateship Scheme	1,200
Purchase of Scientific equipment	80,000

SARDAR PATEL UNIVERSITY

33 India Symposium on Form Structure
and Function in Plants.

1,458.30

AFFILIATED COLLEGES

V.P. Mahavidyalaya, Vallabh Vidyanagar	Development of play fields	Final	1,500
R.P.T. Patel Sc. college, Vallabh Vidyanagar.	Book-Bank	Final	3,250
T.V. Patel Arts College, Vallabh Vidyanagar.	Students Aid Fund		592
Total:			<u>88,000.30</u>

75. SAURASHTRA UNIVERSITY

@ 45th Session of the National Academy of Sciences.			5,000
Assistance for the addl. staff.	Final		13,409
Construction of Humanities Block			1,515
Construction of Library Building	Final		3,295-56
Development of Teachers education and Research in the University Department of Education- Salary of Staff			35,000
Construction of Students Home in Universities.			3,593
Utilisation of Services of Outstanding Retired Teachers			2,827-58

AFFILIATED COLLEGES

Upleta Municipal Arts & Commerce college, Upleta	Establishment of Book-Bank	Ist	12,000
Sh. Sannath college, Veraval	Establishment of Book Bank	Ist	8,000
Ludhbirji college of Engineering, Morvi	Development of play fields	Final	1,438
Samaldas Arts college, Tharagar	Students Aid Fund		1,583
Total			<u>87,661.14</u>

76. SAUGAR UNIVERSITY

National Associateship Scheme	Final	306-93
Commonwealth Academic staff Fellowship.		8,000
Writing of University level Books/Monographs.		1,900
Visit of Younger Scientist to U.K.		117-25
Senior Research Fellowship		1,412-90
Research fellowship in sc.		4,800
-do-		2,516-13

AFFILIATED COLLEGES

S.G.J.Q Men's college of Sc. Burhanpur	Students Aid Fund		600
Motilal Nehru Law College, Khandwa.	-do-		376
Arts & Commerce college, Chaurai	-do-		4,500
S.S. Laxmi Narain Trust P.V. Mahavidyalaya, Parasia.	Establishment of Book Bank	Ist	6,000
S.S.P. Arts and Commerce college Warassori	Students Aid Fund		1,750
Kamla Nehru Mahavidyalaya, Damoh.	-do-		218
Govt. Home Sc. college, Hoshangabad.	Construction of Women's Hostel	IV	60,000
S.P.T. college, Barman	Construction of laboratory Building.	4th	20,000
			Total: 1,12,497.21

SHIVAJI UNIVERSITY

Establishment of Students Aid Fund in Universities.		25,000
Establishment of Main Health Centre		13,800
Establishment of Study Centre		10,000
-do-		10,000
Visit of Younger Scientist to U.K. Jr. Research Fellowship		9,785. 2,120.69

AFFILIATED COLLEGES

Rajaram college, Kolhapur	College Humanities and Social Sciences Development Programme	Ist	10,000
Smt. Kasturbai Walchand College, Sangli	Establishment of Health Centre		4,651.
Balwant college, Vita.	Const. of Students Hostel	4th	20,000
Barai College, Barsi	Const. of Women's Hostel	Final	8,539
Chintamanrao college of Commerce, Sangli	Students Aid Fund		996
Lal Bahadur Shastri college, Satara	Students Aid Fund		1,339
Jayasingpur college, Jayasingpur	-do-		1,750
Vivekanand college, Kolhapur	Grants to college libraries for loan of books to students	Final	3,250
Yashwantrao Bhavan Mahavidyalaya, Kannaia	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences/Sciences.	Ist	1,000
Yashwant Rao Chavan College, Khav v	Grants to college laboratory for equipment	Final	4,300
			Total
			1,26,530.69

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

Purchase of books and Journals	37,000
Students Aid Fund	381
Implementation of Examination Reform Programme.	25,000
Students Aid Fund	5,670
Students Aid Fund	1,540
	<u>£</u>
Total:	<u>69,591</u>

9. SOUTH GUJARAT UNIVERSITY

Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences/Sciences	Ist	4,250
Construction of Science Block		50,000

AFFILIATED COLLEGES

Shri R.S. Mahavidyalaya, Billimora	Students Aid Fund	484
V.T.C.S. Law college, Surat	-do-	604
S.K.M. Law college, Valsad	-do-	528
M.S.K. College of Commerce, Broach.	-do-	1,089
Smt. Jarnnu Phirojsha Shroff Arts college, Tithal Road, Valsad	-do-	2,250
P.R.B. Arts & P.G.R. Commerce college, Bardoli	Financial assistance to teachers for research/learned work in Humanities.	Final 145
S.B. Carda college (Arts) & P.K. Patel college of commerce, Navsari	Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities and Social Sciences/Sciences.	Ist 750
Mayug Co. college, Surat	Book-Bank	Ist 4,500
Smt. Shroff college, Bulsar	-do-	Ist 6,000
	Total:	<u>70,600</u>

SRI VENKATESWARA UNIVERSITY

Educational tour for V.B.E. students of the 1973-74		4,460.95
Basic grant for the purchase of library books and journals sciences and Humanities Departments.	Final	1,50,000
Unassigned grant for 1975-76	Ist	12,500
Starting of part-time B.E. Degree Course for Diploma Holders at S.V. University.	3rd	5,217
Grants for Central Library	Ist	1,00,000
Introduction of Correspondence Courses.		1,75,000
Purchase of Equipment	Ist	3,44,000
Purchase of Books and Journals	Ist	1,80,000
-do-		2,32,000
Students Aid Fund		2,012
Purchase of equipment	Ist	3,13,000

AFFILIATED COLLEGES

Jawahar Bharati, Kawali	Book-Bank	Final	3,250
-do-	Faculty Improvement Programme		397.31
S.K.P. Govt. college, Guntkal	Setting up of Book-Bank	Ist	8,000
B.T. College, Madawapalle	Purchase of Scientific equipment and furniture.	Final	10,034
Govt. Engineering college, Anantapur	Assistance for Research work		30,000
K.V.B. Government college for Women, Kurnool.	Establishment of Book-Bank	Final	252
Jawahar Bharati, Kavali	Students Aid Fund		8,250
D.K. Govt. college for Women, Sollaru	-do-		1,000
-do-	Conference on Andhra History on 8th & 9th February, 1974		3,000

Total: 15,82,373.26

81. UDAIPUR UNIVERSITY

Junior Research Fellowship		4,800
-do-		3,800-
-do-		3,209-68
-do-		3,366-67
-do-		3,895-77
National Associateship Scheme	Final	479-22
Purchase of Scientific equipment	Final	70,000
Assistance for advanced research	Ist	10,000
		<hr/>
	Total:	99,551.34
		<hr/>

82. UTKAL UNIVERSITY

Construction of an Extension to the Arts Block		2,00,000
Establishment of Study Centre		20,000-
Junior Research Fellowship		3,609-31
Installation of the gas plant		7,500
Construction of Men's Hostel	2nd	3,00,000
Assistance for research work		9,800
Writing of University level Books/monographs.		197
Construction of Women's Hostel		6,00,000
Non-Recurring grant for Beds, equipment and Building for the Health Centre.	Ist	50,000
Construction of Women's Hostel	2nd	3,00,000
Construction of additional space for the establishment of Educational Psychology		20,000
Construction of Central Canteen		50,000
Purchase of furniture and accessories the Museum for the Deptt. of Zoology	Ist	10,000

UTKAL UNIVERSITY CONTD.

Publication of learned Research work including Doctoral Theses.	Ist	10,000
Purchase of equipment for sc. Deptt.		1,00,000
Financial assistance to teachers in the universities and colleges for undertaking research or learned work in Humanities including Social Sciences/Sciences.	Ist	1,250

AFFILIATED COLLEGES.

Angul college, Angul	-do-	Ist	500
Fakir Mohan college, Balasore	-do-	Ist	1,000
Vyasanagar college, Jajpur	-do-	Ist	1,800
S.C.E. Medical college, Cuttack.	Utilisation of Services of Outstanding Retired teachers		1,250
Ravenshw College Cuttack.	-do-		1,250-
-do-	-do-		3,034.48
-do-	Construction of Gymnasium	2nd	1,00,000
Vyasnagar college, Jajpur	Establishment of Book-Bank	Final	1,500
B. J. B. College, Bhubneswar	-do-	Final	3,250
S.V.M. College, Jagat Singhpur	Development of Play Fields.	Final	1,500
B. J. Bidyadhar college, Bhubneswar	Students Aid Fund		2,250
Govt. Evening College, Baripada.	-do-		750
F.M. College, Balasore	-do-		1,750
Ravenshaw college, Cuttack.	-do-		4,250
Total:			18,06,440.86

83. VIKRAM UNIVERSITY

Affiliated Colleges.

B.S.N. Govt. college, Shajapur	Students Aid Fund		657
Gyan Mandir Mahavidyalaya, Neemuch	-do-		1,000
Govt. college, Alirajpur	Establishment of Book-Bank	Ist	4,500
Govt. College, Mehidpur	-do-	Ist	4,500
Govt. college, Jaora	Students Aid Fund		420

Total: 11,177

84. VISVA BHARATI

Centre of Advanced Study in Philosophy		49,954-38
Junior Research Fellowship		4,800
Purchase of Library Books and Journals.	Final	30,000
Construction of Sisha Bhavan Hostel for 130 Students	9th	32,000-
Senior Research Fellowship		6,628-37
Renewal of Scholarship for P.G. Studies.		1,800
2500 Anniversary of Nirvan Mahotsav of Bhagwan Mahavir		16,000
Utilisation of Services of Outstanding Retired Teachers.		2,879-81

Total: 1,44,062.56

INSTITUTIONS DEEMED TO BE UNIVERSITIES

85. BINDIA INSTITUTE OF TECHNOLOGY & SCIENCE.

Post Graduate course in Pharmacy		20,000
Payment of recurring grant for the development of P.G. courses		1,50,000
Research Work		3,000
Purchase of equipment	and	50,000
Introduction of degree course	Final	<u>24,479</u>

Total: 2,47,479

36. GUJARAT VIDYAPITH

Basic grant for library books and journals		50,000
Construction of Health Centre, Purchase of equipment and Appointment of staff		25,485
Purchase of equipment for education Department.		14,953-12
	Total:	<u>90,438.12</u>

87. GURUKUL KANGRI VISWAVIDYALAYA

Basic grant for the purchase of Books and Journals		10,000
Financial assistance to teachers for undertaking research work	Ist	1,500

88. INDIAN INSTITUTE OF SCIENCE

	Total	<u>11,500</u>
Extension of Guest House Bldg.	Ist	4,25,000
Jr. Research Fellowship		387-10
-do-		1,343-96
-do-		1,469-85
-do-		1,451-29
-do-		1,458-42
-do-		500
-do-		400
-do-		6,000
Construction of 10 Duplex flats	2nd	10,00,000
Grants for the Institute		25,00,000
Construction of addl. lab.		90,000
Const. of supporting staff quarter		1,25,000
All India Summer Institute		30,000
National Associateship scheme		500
Establishment of a School of Automation at the Institute		24,24,991
Research Associateship in Science		3,441-37

Total: 66,14,942.99

1	2	3	4	5
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89. Indian School of Mines, Dhanbad

Construction of 200 Seated hostel at Indian School of Mines.	IIInd	2,00,000.00
Basic grant for the purchase of library books & Journals during the Vth Plan Period for development of Engineering & Technology.	Final	50,000.00
Construction of 200 seated hostel at Indian School of Mines.	Ist	8,00,000.00
Construction of Science Block & Dressing Laboratory at I.S.M.		4,50,000.00
Construction of an Open well a pump house, Store Room and an over head Tank at Indian School of Mines,	IIInd	1,28,000.00
Construction of an Open well pump house room and Store	Ist	2,12,000.00
Payment of Recurring grant for Staff & Maintenance during IV Plan.		2,20,000.00
Library books during V Plan	First	1,20,000.00
Establishment of Students Aid Fund		635.00
Total.		<u>21,80,635.00</u>

90. Jamia Milia Islamia New Delhi.

Establishment of Student Aid Fund		3,150.00
Purchase of Equipment for the faculty of Education.	Final	3,400.00
Unassigned grant for the year 75-76	Final	20,000.00
Total-		<u>26,550.00</u>

91. Tata Institute of Social Sciences, Bombay.

Unassigned grant for 75-76	Final	12,000.00
Total-		<u>12,000.00</u>

Total Plan 4,83,09,341.39

NON PLAN

Srl. No	Name of the Univr/ College	Subject	Instalment	Amount
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1. ALIGARH MUSLIM UNIVERSITY, ALIGARH

Central Universities- Maintenance Grant for 1976-77	Ist	46,46,000.00
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Central Universities- Revision of Scales of pay of academic staff and non academic staff, rates of dearness allowance etc. consequent upon the decision of the Government. of India on the recommendation of the Third Pay Commission.		35,00,000.00
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Total		81,46,000.00
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2. Banaras Hindu University, Varanasi-5

Central Universities- Maint. (Block) Grant for 1976-77	Ist	59,79,000.00
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Central Universities- Revision of scales of pay of Academic and Non-academic staff, rates of dearness allowance etc consequent upon the decisions of the Govt of India on the recommendations of the IIIrd Pay Commission etc.		25,84,000.00
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Central Universities Maint. grant for 75-76 payment of	8th	1,45,00,000.00
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Total-		2,30,63,000.00
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3. University of Delhi, Delhi

Central Universities- Maint. Grant for 75-76	Ist	30,42,000.00
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Affiliated Colleges, Delhi University

Hindu College, Delhi. Delhi University constituent colleges- Grant for hostel Mess staff for 76-77		11,200.00
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p.t.o.

1	2	3	4	5
Affiliated Colleges Delhi University.				
St. Stephen's College, Delhi.	Delhi University constituent colleges-	Grant for hostel Mess etc.	Ist	18,900.00
Lady Shri Ram College, Lajpat Nagar, N.D.	-do-		Ist	9,600.00
Hans Raj College, Delhi.	-do-		Ist	9,709.00
Indraprasth College for Women, Sham Nath Marg, Delhi.	-do-		Ist	9,900.00
Morinda House, Patel chest Marg, Delhi.	-do-		Ist	14,800.00
Delhi School of Social Work University of Delhi, Delhi.	-do-		Ist	3,300.00
Ramjas College, Delhi	-do-		4th	15,200.00
Shri Ram College of Commerce, Delhi.	-do-		Ist	6,800.00
Ramjas College, Delhi	-do-		Ist	6,800.00
Lady Shri Ram College for Women Lajpat Nagar N.D.	-do-		4th	18,800.00
St. Stephen's College, Delhi.	-do-		4th	31,500.00
Lady Irwing College, Sikandara Road, New Delhi.	-do-		4th	80,500.00
Dr. Zakir Hussain Memorial College Day Classes Ajmeri Gate, Delhi.	-do-		Ist	2,900.00
Lady Irwin College, Sikandra Rd. New Delhi.	-do-		Ist	11,000.00
Shri Ram College of Commerce, Delhi.	-do-		IVth	11,900.00
Delhi College (Day Classes) Ajmeri Gate, Delhi.	-do-		4th	6,700.00
Delhi School of Social Work, Univ. of Delhi. Delhi.	-do-		4th	4,200.00

Affiliated Colleges Delhi University.

1	2	3	4	5
	Delhi School of Social Work (University of Delhi) Delhi.	Delhi University Constituent Colleges- Maintenance grants.	4th	4,200.00
	Ramjas College, Delhi.	-do-	Ist	5,80,000.00
	Vivekanand Mahila College, Gandhi Nagar, Delhi.	-do-	Ist	2,39,000.00
	Lakshmi Bai College, Ashok Vihar- III Delhi.	-do-	Ist	4,34,000.00
	Indraprasth College for Women Sham Nath Marg, Delhi.	-do-	Ist	6,34,000.00
	Bharati Mahila College, Link Rd. N.D.	-do-	Ist	2,00,000.00
	Central Institute of Edn. 33, Chhatra Marg, Delhi.	-do-	Ist	3,11,000.00
	Hastinapur College(Evening) Moti Bagh, ND	-do-	Ist	2,50,000.00
	Ram Lal Anand College, (Day Classes) Anand Niketan Marg, N.D.	-do-	Ist	2,38,900.00
	Deshbandhu College, Day Kalkaji N.D.	-do-	Ist	6,35,000.00
	-do- (Evening)	-do-	Ist	2,65,000.00
	Shyam Lal College (Day) Shahdara, Delhi.	-do-	Ist	4,54,000.00
	Institute of Home Economic South Extension, Part I Ring Rd. NB	-do-	Ist	1,95,000.00
	St. Stephens College, Delhi-	-do-	Ist	4,13,000.00
	A.R.S.D.College, Dhaura Kuan.N.D.	-do-	Ist	5,00,000.00
	Bhagat Singh College, (Evening) Govindpuri, N.D.	-do-	Ist	82,000.00
	S.C.G.B. Khalsa College, Day Classess Univ. of Delhi, Delhi.	-do-	Ist	6,30,000.00
	Miranda House, Patel Chest Marg, Delhi.	-do-	Ist	7,00,000.00
	Ram Lal college, (Evening) Anand Niketan Marg, N.D.	-do-	6th	2,25,000.00

1	2	4	5
Dr. Z.H.M.College, (Evening) Ajmeri Gate, Delhi.	Delhi University Constituent Colleges- Maintenance grant for 76-77.	Ist	3,40,000.00
Satyavati Co-Educational College, (Evening) Timarpur, Delhi.	-do-	Ist	1,14,000.00
-do- (Day)	-do-	Ist	2,46,000.00
P.G.D.A.V.College, (Evening) Mandir Marg, N.D.	-do-	Ist	2,82,000.00
College of Vocational Studies, 7 Doctor Lane, Gole Market N.D.	-do-	Ist	1,98,000.00
Daulat Ram College, Delhi,	-do-	Ist	7,47,000.00
Janki Devi Mahavidyalaya, Poorvi Marg, New Delhi	-do-	Ist	5,10,000.00
Dyal Singh College (Day) Lodi Road, N.D.	-do-	Ist	5,18,000.00
Gargi College, Lajpat Nagar, New Delhi.	-do-	Ist	4,53,000.00
Kamla Nehru College Panchsheela Park, New Delhi.	-do-	Ist	4,49,000.00
Rao Tula Ram College, Rao Tula Ram Marg, New Delhi.	-do-	Ist	78,000.00
Shri Aurbindo College, New Delhi.	-do-	Ist	2,25,000.00
Shyam Lal College(Evening) Shahdara, Delhi.	-do-	Ist	1,59,000.00
Bhagat Singh College, Day Govindpuri Nalkaji N.D.	-do-	Ist	4,60,000.00
Ram Lal Anand College(Evening) Anand Niketan Marg, N.D.	-do-	Ist	1,46,000.00
Shyama Prasad Mukherjee College for women Tagore Garden, New Delhi.	-do-	Ist	4,30,000.00
Kamala Nehru College, Panch Shilla Park Marg, N.D.	-do-	Ist	2,85,000.00
Lady Shri Ram College, L.P.Nagar, N.D.	-do-	Ist	1,75,000.00
Ramjas College, Delhi.	-do-	Ist	1,55,000.00

1	2	3	4	5
Delhi University Affiliated Colleges Contd.				
Lady Irwin College, Sikandra Road, New Delhi.	Delhi University Constituent Colleges Maintenance Grant for 7th 75-76 - Payment of		7th	2,00,000.00
Ramjas College, Delhi.	-do-		18th	1,75,000.00
Shyam Lal College (Day) Shahdara Delhi.	-do-		9th	3,03,000.00
Janki Devi Mahavidyalaya, Poorvi Marg, N.D.	-do-		7th	98,000.00
Shri Venkataswara College, DhaulaKuan, New Delhi.	-do-		6th	6,00,000.00
St. Stephen's College, Delhi.	-do-		6th	2,22,000.00
Lady Irwin College, Sikandara Rd. N.D.	-do-		Ist	3,97,000.00
Dr. Z.H.M.College, Day Ajmeri Gate, Delhi.	-do-		Ist	6,20,000.00
Gargi College, Lajpat Nagar, New Delhi.	-do-		7th	1,50,000.00
Shivaji College, Karampura, N.Delhi.	-do-		Ist	5,70,000.00
P.G.D.A.V.College, Nehru Ngr. New Delhi.	-do-		Ist	3,77,000.00
Delhi School of Social Work University of Delhi.	-do-		Ist	1,65,000.00
Hindu College, Delhi.	-do-		Ist	5,16,000.00
Bhagat Singh College, Day Govindpuri N.D.	-do-		7th	3,88,000.00
S.G.T.B. Khalsa College, (Evening) Karol Bagh, N.D.	-do-		Ist	1,69,000.00
Hans Raj College, Delhi.	-do-		Ist	7,54,000.00
Jesus and Mary Colleges Chankyapuri New Delhi	-do-		Ist	2,34,000.00
				p.t.o.

1	2	3	4	5
<u>Affiliated Colleges, Delhi University Contd.</u>				
Lady Shri Ram College for Women, Lajpat Nagar, New Delhi.	Delhi University Constituent Colleges	Maintenance grant for 76-77	Ist	5, 52, 000.00
Hastinapur College (Day) Moti Bagh New Delhi	-do-		Ist	4, 50, 000.00
Ram Lal Anand College, Delhi.	-do-		V th	44, 000.00
Rajdhani College, New Delhi.	-do-		8th	2, 99, 000.00
Gyan Devi Salwan College, New Delhi.	-do-		Xth	95, 000.00
Miranda House, New Delhi.	-do-		8th	1, 20, 000.00
Deshbandhu College, Evening Kalkaji, N.D.	-do-		6th	2, 73, 000.00
Shyama Prasad Mukherjee College, N.D.	-do-		7th	3, 00, 000.00
Swami Shardanand College, Delhi.	-do-		7th	3, 91, 000.00
Dyal Singh College, New Delhi-	-do-		7th	2, 47, 000.00
I.P. College, New Delhi.	-do-		7th	1, 50, 000.00
Total -				2, 50, 83, 909.00

4. Jawahar Lal Nehru University

Central Universities- Maintenance Grant Ist for 76-77 payment of.	Ist	13, 75, 000.00
-do-	8th	23, 00, 000.00
Total		36, 75, 000.00

5. Visva Bharati, University
Santiniketan (W.B.)

Visva Bharti, Shantiniketan.	-do-	Ist	12, 08, 000.00
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n.t.o.

1	2	3	4	5
	Viswa Bharti Santiniketan, West Bengal	Central Universities- Maint. grant for 1975-76	7th	7,00,000.00
	-do-	Central Universities- Revision of pay scales of pay of Academic Staff and Non-academic Staff, rates decisions of the Govt. of India on the recommendation of the IIIrd Pay Commission etc.		4,90,000.00
				<u>Total. 23,98,000.00</u>
6.	<u>Indian Institute of Sciences Bangalore.</u>			
		Payment of maintenance grant to Ist Indian Institute of Science, Bangalore. 76-77		50,00,000.00
				<u>Total- 50,00,000.00</u>
7.	<u>Indian School of Mines, Dhanbad.</u>			
		Payment of Maintenance grant during 75-76 Difference between Budget Estimates and revised estimates.		9,34,000.00
		Payment of Block grant during 1976-77		8,00,000.00
				<u>Total - 17,34,000.00</u>
8.	<u>Jamia Millia Islamia, New Delhi.</u>			
		Release of Maintenance grant for the year 1976-77	Ist	3,25,000.00
				<u>Total- 3,25,000.00</u>
9.	<u>Tata Institute of Social Sciences, Bombay</u>			
		Maintenance grant for for the year 1976-77-	Ist	2,00,000.00
				<u>Total 2,00,000.00</u>
		Total Non-Plan		6,96,24,909
		G. Total (Plan + Non-plan)		<u>11,79,34,250.39</u>

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

Meeting:

Dated : 29th April, 1976.

Item No. 4 : To receive the statement showing expenditure incurred by the,
University Grants Commission during the year 1975-76 (upto 31.3.76)

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Section I- Non Plan Project	Revised Budget Estimates (lacs of rupees)	Provisional Expenditur upto 31.3.76. (Rupees in lacs)
A. Administration charges (excluding Advances)	65.00	63.70
B. i) Block grants to Central Universities.	1800.00	1721.00
ii) Block grants to Institutions deemed to be Universities.	162.84	176.77
C. Maintenance grant to constituent affiliated colleges of Delhi University	800.00	821.29 *2.96
D. i) Schemes not covered under block grants	237.00	198.96
ii) Health Service Scheme	8.00	-
Total		
Total Section I	3072.84	2981.72 *2.96

Section II- Plan Projects	Budget Estimates (in lacs of rupees)	Provisional Expenditur (upto 31.3.1976)
A. Grants to Central & State Uniniversity for Humanities.	257.25	304.96 *1.99
B. Grants to Central & State University for Science	769.51	777.58 *5.73
C. Grants to Central & State University for Engineering & Technology.	285.31	417.43 *0.31
D. Grants to constituent/affiliated Colleges,	466.95	277.54 *0.28
E. Grants to Central & State University for Misc. Schemes.	1322.01	1046.98 *4.29
F. Misc. Expenditure .. Unesco Coupons 12 Million Dollar Loan	32.05	23.98 6.61
Total Section II		

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

i)	Evaluation of books	3,250.00
ii)	Grants to Universities organising Summer Institute for School Teachers (Out of contribution received from NCERT)	85,106.00
iii)	Fellow for writing of books	5,13,323.00 @ 53,066.00
iv)	<u>National Sports Organisation Programme</u>	
	a) Const. of Gymnasium	10,75,380.00
	b) Play fields	82,012.00
v)	Dr. Zakir Hussain Memorial Lectures	---
vi)	Aurbindo Memorial Lectures	---
vii)	Gandhi Samarak Nidhi	---
viii)	National Award of Prizes	@ 15,805.00
ix)	National Service Scheme	2,37,744.00
x)	National Survey on Hr. Education	@55,905.00
xi)	<u>Hari Om Ashram Trust Endowment Fund</u>	
	i) Science	30,000.00
	ii) Life Sciences	15,000.00
xii)	Ram Charit Manas	30,633.00
	Total Section III	21,97,224.00
	Total Section I, II and III	5858.87 (Lacs)
		*12.60

SECTION IV : DEPOSITS & ADVANCES

i)	Conveyance Advance	43,700.00
ii)	Festival Advance	16,880.00
iii)	House Building Advance	2,20,784.00
iv)	Fan Advance	200.00
v)	U.G.C. Deptt. Canteen	---
	Total Section IV	2,81,564.00

Expenditure during 1974-75 (up to 31.3.75 was as under :)

Section - I Non - Plan Project	21,90,10,445
Section - II Plan Project	24,90,79,550
Total Section I & II	46,80,89,995

* By adjustment
@ Administration charges.

CONFIDENTIAL

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UNIVERSITY GRANTS COMMISSION

Meeting :

Dated : 29th April, 1976.

Item No.5 : To consider the recommendation of the Committee appointed by the Commission regarding the recommendations made by the Evaluation Committee set up by the Government of India, on the working of the N.C.C.

.....

The University Grants Commission at its meeting held on 11-12th August, 1975 considered a reference from the Ministry of Education and Social Welfare, regarding the recommendations made by the Evaluation Committee on the National Cadet Corps appointed by it. (Item No. 5). The Commission desired that the recommendations made by the Defence Ministry for consideration by the University Grants Commission may be referred to a Committee which may have a representative each of the Ministry of Education and the Director General, N.C.C.

The Commission subsequently received a reference from the Ministry of Agriculture and Irrigation (Department of Agriculture) regarding the guidelines for a Model Social Forestry Project for Rural Welfare Wood. It was decided that this matter may also be referred to the Committee appointed by the Commission, to consider the recommendations made by the Evaluation Committee set up by the Government of India. An extract from the letter received from the Ministry of Agriculture and Irrigation in this respect is reproduced below :-

"Raising of trees is a productive activity which is very useful and rewarding. Recently N.C.C. has included it in their programme. However, a lot more remains to be done in the matter of improving the environment and socio-economic conditions of the rural poor, through tree planting. It is felt that if the youth of the country is involved in this activity, far reaching results can be expected. The youth would cultivate some affection for the trees, the rural people and the environment. If this could be achieved even upto 20% it would be a great achievement."

The Commission accordingly appointed a Committee with the following to consider the recommendations made by the Evaluation Committee.

1. Lt. General K.P. Candeth,
Director General,
Youth Services,
Cabinet Secretariat.

p.t.o.

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2. Air Cdre. E.L. Birch
Dy. Director General,
National Cadet Corps,
R.K.Puram,
New Delhi.
3. Shri Gian Chand,
Administrator,
Utkal University,
Bhubaneswar.
4. Shri S.V. Chittibabu,
Vice-Chancellor, Madurai University,
Madurai.
5. Shri T.G. Khabchandani,
Jai Hind College,
Bombay.
6. Dr. S. Nagappa,
Deputy Educational Adviser,
Ministry of Education & Social Welfare,
New Delhi.
7. Rev. W.S. Rajpal,
Principal,
St. Stephen's College,
Delhi.

The meeting of the Committee was held on 2nd March, 1976.
A copy of the report of the Committee is enclosed (Appendix).

The recommendations made by the Committee are detailed below:-

Recommendation of
the Evaluation
Committee.

Attendance at a NCC
activity may be treated
as academic attendance.

Views of the Committee appointed by
the U.G.C.

The NCC Cadets should be enabled to derive the benefits for purposes of academic attendance, in the same manner as it available for students participating in the N.S.S. programmes and sports etc.. Any approved NCC activity which makes it necessary for the cadets to miss their academic class work should be treated as valid for purposes of academic attendance. Such concession should however, not exceed, say more than 6 per cent of the minimum attendance required as per university regulations.

Contd.....3/-

Universities having Military Studies Departments should offer Military Science as an elective subject, open to NCC Cadets.

It would be more appropriate to designate the existing military studies department in the universities as departments of defence studies and associate in their teaching and field programmes, personnel, both active and retired, from the Defence services. Defence studies or military studies should not be considered as an easy elective and alternatives to other courses. Accordingly, the contents to be included should be of university level and for this purpose a model syllabus could be laid down with the help of a Committee and the National Defence College. The syllabus so suggested could be suitably adopted by other universities.

3. The possibility of NCC 'B' Certificate being treated as a subsidiary elective subject should be examined on the basis of a revised syllabus. A revised syllabus has also been attached.

The 'B' Certificate and its contents as at present cannot be accepted as a subsidiary elective subject for university studies. It should not be treated even as a subsidiary for a student offering military science as a major subject of study. The model syllabus to be suggested as indicated above, if it is of the university level, could perhaps be included as one of the subjects at the degree level in due course.

4. Other things being equal a student who has successfully completed NCC training may be given preference for admission to postgraduate and professional studies.

It may not be appropriate to give preference to students who have completed NCC training for purposes of admission to postgraduate and professional studies. However, only those cadets who have obtained either 'B' or 'C' certificates should be given due weightage as is generally given to outstanding sportsmen in the matter of admission to such courses.

5. The teaching periods should be compressed to 5 days and one day in the week should be designated as Field day to be devoted to NCC activities as well as other youth activities, such as National Service Scheme and N.S.O.

The Committee regretted to accept this decision as it was not practicable.

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

i)	Evaluation of books.	3,250.00
ii)	Grants to Universities organising Summer Institute for School Teachers (Out of contribution received from NCERT)	85,106.00
iii)	Fellow for writing of books	5,13,323.00 @ 53,066.00
iv)	<u>National Sports Organisation Programme</u>	
	a) Const. of Gymnasium	10,75,380.00
	b) Play fields	82,012.00
v)	Dr. Zakir Hussain Memorial Lectures	---
vi)	Aurbindo Memorial Lectures	---
vii)	Gandhi Samarak Nidhi	---
viii)	National Award of Prizes	@ 15,805.00
ix)	National Service Scheme	2,31,744.00
x)	National Survey on Hr. Education	@55,905.00
xi)	<u>Hari Om Ashram Trust Endowment Fund</u>	
	i) Science	30,000.00
	ii) Life Sciences	15,000.00
xii)	Ram Charit Manas	30,633.00
	Total Section III	21,97,224.00

Total Section I, II and III 5858.87 (lacs)
*12.60

SECTION IV : DEPOSITS & ADVANCES

i)	Conveyance Advance	43,700.00
ii)	Festival Advance	16,880.00
iii)	House Building Advance	2,20,784.00
iv)	Fan Advance	200.00
v)	U.G.C. Deptt. Canteen	---
	Total Section IV	2,81,564.00

Expenditure during 1974-75 (up to 31.3.75 was as under :)

Section - I Non - Plan Project	21,90,10,445
Section - II Plan Project	24,90,79,550
Total Section I & II	46,80,89,995

* By adjustment
@ Administration charges.

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6. The Directors of National Cadet Corps in the States may be given powers to award 'Displeasure' and 'Severe displeasure' to the Part-time National Cadet Corps Officers with the provision for an appeal to the Vice-Chancellor.

It was mentioned that a National Services Act was likely to be made by the Central Government soon. In the present context it would be more appropriate to deal in such matters of indiscipline through the Heads of the educational institutions.

7. The heads of colleges/institutions should have powers of discharge of Senior Division NCC Cadets as the Head-masters exercised those powers in respect of Junior Division Cadets.

The Committee was of the view that the powers to discharge the Cadets in the NCC should be vested with the Commanding Officer instead of the Head of the Institution.

8. Enrolment of students in NCC must be voluntary and selective. Rules of attendance must be strictly enforced after they join the organisation.

The Committee accepted the recommendation.

With regard to the reference from the Ministry of Agriculture and Irrigation regarding the guideline for a model Social forestry programme, the Committee was of the view that this should form part of the N.C.C. programme.

The matter is placed before the Commission for consideration.

AS(CP)/Addl. Secretary.

SLK

UNIVERSITY GRANTS COMMISSION

Appendix to Memorandum

The University Grants Commission appointed a Committee to consider a reference from the Ministry of Education and Social Welfare regarding the recommendations made by the Evaluation Committee set up by the Government of India on the working of the N.C.C. The meeting of the Committee was held on 2nd March, 1976 in the UGC office. The following members of the Committee attended the meeting:

1. Chairman
University Grants Commission,
New Delhi.
2. Lt. General K.P. Candeth,
Director General,
Youth Services,
Cabinet Secretariat.
3. Air Cdre. E.L. Birch,
Dy. Director General,
National Cadet Corps,
R.K. Puram,
New Delhi.
4. Shri Gian Chand,
Administrator,
Utkal University,
Bhubaneswar.
5. Shri S.V. Chittibabu,
Vice-Chancellor,
Madurai University,
Madurai.
6. Shri T.G. Khubchandani,
Jai Hind College,
Bombay.
7. Dr. S. Nagappa,
Deputy Educational Adviser,
Ministry of Education & S.W.,
New Delhi.
8. Rev. W.S. Rajpal,
Principal,
St. Stephen's College,
Delhi.
9. Dr. D. Shankar Narayan,
Additional Secretary,
University Grants Commission,
New Delhi.
10. Shri M.P. Balakrishnan,
Deputy Secretary,
University Grants Commission,
New Delhi.
11. Shri Inder Lal,
Assistant Secretary,
University Grants Commission,
New Delhi.

(6)

Mrs. Inder Jit Kaur Sandhu, Vice-Chancellor, Punjabi University, Patiala, could not attend the meeting being abroad during that period.

The Chairman welcomed the members and referred to the several suggestions and recommendations made by the Mahajani Committee which had reviewed the working of the N.C.C. In the light of the reorientation suggested by that Committee with regard to the aims and objectives of the N.C.C., N.C.C. should be viewed as an important activity of the youth inculcating in them an awareness of discipline, leadership and cooperation. N.C.C. should not be looked upon as merely an agency to train students for likely recruitment to the defence services but the quality imbibed should be useful to them as good citizens. Accordingly the activities of the NCC should be made more attractive, useful and also interesting both at the junior level in the schools and at the senior level in the universities. Some aspects of social service should be suitably incorporated into the NCC programmes, thus enriching the NCC activities. It should also have suitable interaction with other youth programmes such as the NSS. In the context of the new 10+2+3 pattern, it should be expected that the junior division would be mainly be shifted to the + 2 stage and would be used for emphasising drill, parade and similar physical activities besides training them for discipline and leadership. The universities should concentrate upon the senior division and wherever possible accept cadets who has under gone the junior level training. It would then enable the NCC activities to be suitably linked with academic studies and the curriculum so that the cadets could apply their knowledge in basic sciences, biology, social sciences and develop suitable programmes of work experience which would constitute the NCC programmes. There should be no bar for NCC cadets taking part in social activities. These various points were discussed generally before the Committee took up for consideration the specific items referred to it through the Commission by the Ministry of Education. The views expressed are given below:-

Item No.1: Attendance at a NCC activity may be treated as academic attendance.

The NCC cadets should be enabled to derive the benefits for purposes of academic attendance, in the same manner as is available for students participating in the N.S.S. programmes and sports etc.. Any approved NCC activity which makes it necessary for the cadets to miss their academic class work should be treated as valid for purposes of academic attendance. Such concession should, however, not exceed, say more than 6 per cent of the minimum attendance required as per university regulations.

Item No.2: Universities having Military Studies Departments should offer Military Science as an elective subject, open to NCC cadets.

It would be more appropriate to designate the existing military studies department in the universities as departments of defence studies and associate in their teaching and field

programmes personnel, both active and retired, from the Defence services. Defence studies or military studies should not be considered as an easy elective and alternative to other courses. Accordingly, the contents to be included should be of university level and for this purpose a model syllabus could be laid down with the help of a Committee and the National Defence Institute. The syllabus so suggested could be suitably adopted by other universities.

Item No.3: The possibility of NCC 'B' Certificate being treated as a subsidiary elective subject should be examined on the basis of a revised syllabus. A revised syllabus has also been attached.

The 'B' Certificate and its contents as at present cannot be accepted as a subsidiary elective subject for university studies. It should not be treated even as a subsidiary for a student offering military science as a major subject of study. The model syllabus to be suggested as indicated above, if it is of the university level, could perhaps be included as one of the subjects at the degree level in due course.

Item No.4: Other things being equal, a student who has successfully completed NCC training may be given preference for admission to postgraduate and professional studies.

It may not be appropriate to give preference to students who have completed NCC training for purposes of admission to postgraduate and professional studies. However, only those cadets who have obtained either 'B' or 'C' certificates should be given due weightage as is generally given to outstanding sportsmen in the matter of admission to such courses.

Item No.5: The teaching periods should be compressed to 5 days and one day in the week should be designated as Field day to be devoted to NCC activities as well as other youth activities, such as National Service Scheme and N.S.O.

The Committee regretted to accept this decision as it was not practicable.

Item No.6: The Directors of National Cadet Corps in the States may be given powers to award 'Displeasure' and 'Severe displeasure' to the Part-time National Cadet Corps officers with the provision for an appeal to the Vice-Chancellor.

It was mentioned that a NSS Act was likely to be made by the Central Government soon. In the present context it would be more appropriate to deal in such matters of indiscipline through the Heads of the educational institutions.

(3)

Item No.7: The heads of colleges/institutions should have powers of discharge of Senior Division NCC Cadets as the Headmasters exercised these powers in respect of Junior Division Cadets.

The Committee was of the view that the powers to discharge the Cadets in the NCC should be vested with the Commanding Officer instead of the Head of the Institution.

Item No.8: Enrolment of students in NCC must be voluntary and selective. Rules of attendance must be strictly enforced after they join the organisation.

The Committee accepted the recommendation.

Agenda Item No.2: To consider a reference from the Ministry of Agriculture and Irrigation relating to guidelines for a model social forestry programme.

The members were of the view that this should be a part of the NCC programme.

CONFIDENTIAL

UNIVERSITY GRANTS COMMISSION

(9)

Meeting:

Dated : 29th April, 1976.

Item No. 6 : To consider the report of the Visiting Committee appointed by the Commission to assess the V Plan proposals of the Jadavpur University.

The University Grants Commission appointed a Committee consisting of the following members to assess the requirements of the Jadavpur University during the V Plan period:

- | | | |
|----|---|----------|
| 1. | Professor S. Gopal
Chairman,
National Book Trust of India
and Member, UGC. | Convener |
| 2. | Professor B.M. Udgaonkar
Tata Institute of Fundamental
Research, Bombay & Member, UGC. | Member |
| 3. | Professor H.C. Gaur
Department of Chemistry,
Delhi University,
Delhi. | Member |
| 4. | Dr. R.S. Mishra
Department of Mathematics
Banaras Hindu University
Varanasi. | Member |
| 5. | Dr. R.K. Dasgupta
Department of Modern Indian
Languages,
Delhi University,
Delhi. | Member |
| 6. | Dr. A.D. Pant
Department of Political Science,
Allahabad University,
Allahabad. | " |
| 7. | Dr. R.S. Nigam
Department of Commerce,
Delhi University,
Delhi. | " |
| 8. | Dr. (Miss) R.R. Verma
Department of Philosophy,
Lucknow University,
Lucknow. | " |

p.t.o.

9. Dr. V.L.S. Bhimasankaran Member
Department of Geology,
Osmania University,
Hyderabad.
10. Dr. T.N. Hajela Secretary
Deputy Secretary,
University Grants Commission,
New Delhi.

The Committee visited the Jadavpur University on 21st, 22nd and 23rd September, 1975. The report of the Committee is attached (Appendix).

Main observations and recommendations made by the committee are given below:-

1. The committee is not in favour of changing the unitary nature of the Jadavpur University and converting it into an affiliating university. The committee is aware of the problems of Calcutta University but is not in favour of the suggestions for transfer of some of the Colleges of the Calcutta University to Jadavpur University.
2. There should be a continuing emphasis on the technological bias of Jadavpur University and this should be kept in view even by the social sciences and humanities departments of the university. General lectures and joint courses on Science and Society, Technology and Economic Development and such other subjects involving both technology and other departments may be introduced by the University.
3. The Jadavpur University was started to conduct courses in Engineering and Technology. Subsequently, it introduced postgraduate courses in Humanities and Social Sciences and Physical Sciences. The introduction of courses in Humanities and Social Sciences, however, distorted the original character of the university and has tended to transform it into a proto-type of the other two universities in the city of Calcutta, with the result that this university has little of a special character of its own which it could have easily developed by giving a new dimension to the study of Humanities and Social Sciences as also the Physical Sciences instead of considering them as separate additional streams to be offered to students like in any other university. At present there is no interaction between the faculties of Humanities and Social Sciences and those of Sciences and Engineering and Technology. The university may set up working groups to develop interaction between various faculties and introduce new courses. For this purpose, the university could study the pattern of courses in the I.I.T's.
4. The introduction of postgraduate courses in humanities and social sciences has led to an anomalous situation. So far as teachers are concerned, more than 60% of them are in the faculty of engineering and the majority of the students at the undergraduate level are also in the faculty of engineering. However, the number of students at the postgraduate level in

humanities and social sciences and pure-sciences is more than what it is in the faculty of engineering. Further the students are not distributed in a manner commensurate with the staff strength between the three faculties. It is not clear as to how the university wants to develop the faculty of engineering and technology and the faculties of humanities and social sciences and sciences in a balanced fashion. In the circumstances, it will be better if the university restructures its courses in all the faculties by adopting a multi-disciplinary approach.

5. The University may consider introducing common core courses for Science and Technology students including technical arts and workshop practice as prevalent in the IITs', so that the science students could get the advantage of a technological institution.

6. The committee suggests that for the proper formulation of perspective plans for the development of the university and for co-ordination and continuous evaluation of the progress of various development schemes and projects, a planning board and a coordinating unit be set up by the university.

7. The conditions of hostels in the University particularly of the men's hostel is poor. Immediate steps be taken by the university to improve the living conditions in the hostels and also to provide facilities for games and sports etc.

8. The committee noted that the State Government had no integrated plan for the development of the university education in the State. All the universities in the State have continued to introduce the same traditional and conventional type of courses. The committee is, therefore, of the view that the West Bengal Government should consider giving more attention to this aspect and also suggests that the coordinating committee of the Vice-Chancellors in the State may look into this question on a priority basis.

9. The committee noted that the enrolment of research students in the various departments was not commensurate with the facilities available in these departments and found that the number of research students per teacher in some of the departments was relatively on the high-side. The committee, recommends that the enrolment of research students should be commensurate with the facilities available in the respective departments including equipment and contingency grants in case of experimental areas. The university should also ensure that the persons appointed especially to the posts of Professors and Readers, possess adequate research qualifications and experience.

10. The committee heard complaints about inadequacy of space. It appears that the existing space in the University was not being rationally utilised. The university may try to rationalise the use of available space by appointing a Committee.

(12)

11. The Committee was surprised to find that the Science Departments had not given much thought to the possible utilisation of the variable energy cyclotron, a rare and major national research facility which is coming up in Calcutta.

12. The University should avoid inbreeding and should recruit the teachers from all parts of the country. The university should also reconstitute the Boards of Studies and appoint experts on it from outside the state.

13. The Committee is not in favour of introduction of any new course, such as Master's Degree courses in Library Science and Education proposed by the university. Assistance for development of central facilities for biophysical research has not been recommended within V Plan allocation. Establishment of Central Instrumentation Laboratory during the Fifth Plan period has been recommended under second priority.

14. The Committee has recommended strengthening of the existing 13 departments; and has recommended grants for books and equipment etc. for these departments. The Committee has also recommended assistance for construction of teachers' quarters, class IV quarters, Science Block extension of library building including museum building; and improvement and renovation of existing hostels under first priority.

Details of grants recommended by the Committee for various items under three priorities are indicated below (All figures are in lakhs of Rupees and represent UGC share. The tentative allocation for the university is Rs. 100 lakhs of which 50% may be in the first and 25% each in second and third priorities):-

<u>S. No.</u>	<u>Item</u>	<u>I</u>	<u>II</u>	<u>III</u>	<u>Total</u>
1.	Spill-over	6.75	-	-	6.75
2.	Books	11.70*	2.00	2.00	15.70
3.	Equipment	10.40*	15.30	3.00	28.70
4.	Building	8.60	7.36	--	15.96
5.	Other Schemes	0.13	--	--	0.13
6.	Research Fellowships	3.00	--	--	3.00
7.	Visiting Faculty	1.50	1.00	0.50	3.00
8.	Publication of Research Work.	1.00	--	--	1.00

* This includes basic grants of Rs. 3.00 lakhs & Rs. 5.00 lakhs already approved for books and equipment respectively during V Plan period.

9.	Use of Outstation Research Facilities.	1.00	--	--	1.00
10.	Extension Lecture/ Seminar.	1.00	1.00	--	2.00
11.	Staff	11.70 (3P, 10R, 7L, 5_00)	3.20 (1P, 3R, 1L & 2_0)	0.57 (1R)	14.87
12.	Campus Development	--	--	5.00	5.00
13.	Health Centre	0.75	--	--	0.75
		<u>56.93</u>	<u>29.86</u>	<u>11.07</u>	<u>97.86</u>

The Report of the Visiting Committee is placed before the Commission for consideration.

AS/DS(D-3).

APPENDIX

UNIVERSITY GRANTS COMMISSION

Report of the Visiting Committee appointed
by the University Grants Commission to assess
the development requirements of the Jadavpur
University for the Fifth Five Year Plan Period.

The University Grants Commission appointed a
Committee consisting of the following to assess the
development requirements of the Jadavpur University for
the Fifth Five Year Plan period:

1. Professor S. Gopal Convener
Chairman
National Book Trust of
India & Member U.G.C.
2. Professor B.M. Udgaonkar Member
Tata Institute of
Fundamental Research
Bombay & Member U.G.C.
3. Professor H.C. Gaur Member
Department of Chemistry
Delhi University
Delhi.
4. Dr. R.S. Mishra Member
Department of Mathematics
Banaras Hindu University
Varanasi.
5. Dr. R.K. Dasgupta Member
Department of Modern
Indian Languages
Delhi University
Delhi.
6. Dr. A.D. Pant Member
Department of Political
Science
Allahabad University
Allahabad.
7. Dr. R.S. Nigam Member
Department of Commerce
Delhi University
Delhi.

p.t.o

8. Dr. (Miss) R.R. Verma Member
Department of Philosophy
Lucknow University
Lucknow.
9. Dr. V.L.S. Bhimasankaram Member
Department of Geology
Osmania University
Hyderabad.
10. Dr. T.N. Hajela Secretary
Deputy Secretary
University Grants Commission
New Delhi.

The Committee visited the Jadavpur University on 21st, 22nd and 23rd September, 1975. It had preliminary discussions with the Vice-Chancellor, Deans of Faculties and Officers of the University on 21st September, 1975. The members of the Committee visited the various departments next day and discussed the fifth plan proposals with the heads of the departments and members of the teaching staff. The Committee visited the university library, departmental buildings and hostels. The Committee also met representatives of the students, teachers and non-teaching employees.

2. Basic facts and figures

2.1 Establishment of the University: The Jadavpur University was established in 1955 as a residential and teaching university with its territorial jurisdiction extending within a radius of two miles from the university office. The university has three faculties of arts, science and engineering and technology. The faculty of arts has nine departments: Bengali, English, Economics, History, Political Science/International Relations, Sanskrit, Philosophy, Library Science and comparative literature; while the faculty of science has only 4 departments: Physics, Chemistry, Mathematics & Geology. The university is running undergraduate and postgraduate courses in all the above subjects except in library science which has only an undergraduate course. The university started evening courses at the master's degree level in all subjects in the faculty of arts (except in comparative literature and international relations) and in mathematics in 1965 and in physics and chemistry in 1967.

2.2 Campus: The university campus extends over an area of about 54 acres. Area occupied by various build-

ings and the number of class-rooms and laboratories allocated to each department are indicated below:

S.No.	Department	Built up area	No. of Class rooms	No. of Laboratories
1.	Bengali		6	-
2.	Comparative Literature		5	-
3.	Economics	51,600 sq.ft.	8	-
4.	English		5	-
5.	Philosophy		5	-
6.	History	10,700 sq.ft.	4	-
7.	International Relations	10,700 sq.ft.	6	-
8.	Sanskrit	7,100 sq.ft.	6	-
9.	Library Science	5,000 sq.ft.	4	-
10.	Chemistry		10	16
11.	Geological Science		3	5
12.	Mathematics	1,40,400 sq.ft.	7	1
13.	Physics		10	17

2.3 Student Enrolment: The increase in the total enrolment of students in all the faculties increased from 4,603 on 1.4.67 to 5,460 on 1.4.74. The percentage of increase was 19 whereas the percentage of increase in the student enrolment in the faculties of arts and science alone was about 34. Department-wise number of students in undergraduate and postgraduate courses as on 1.4.66 and 1.4.74 is indicated below:

	As on 1.4.66	As on 1.4.74
<u>I. Undergraduate</u>		
a) Bachelor of Arts including Library Science.	301	487
b) Bachelor of Science	318	247

	As on <u>1.4.66</u>	As on <u>1.4.74</u>
II. <u>Postgraduate</u>		
a) Bengali	130	166
b) Comparative Literature	36	66
c) Economics	76	98
d) English	134	256
e) History	106	133
f) Philosophy	101	136
g) Sanskrit	116	137
h) International Relations	61	94
i) Physics	41	58
j) Chemistry	39	63
k) Mathematics	95	162
l) Geology	34	37
Total:	<u>1,588</u>	<u>2,140</u>

2.4 Number of research scholars and number of students who have been awarded doctorate degrees.

64 students were doing research work under various schemes in the faculties of arts and science in 1973-74. The number of such research students during 1973-74 number of candidates working for Ph.D. degree in August, 1975 including those who are not receiving any scholarship/fellowship etc. and the number of students who have been awarded Ph.D. degrees during the period 66-67 to 73-74 in each department is indicated below:

S.No.	Department	No. of Research students working under various schemes in '73-74	No. of candidates working for Ph.D. degree as on 20.8.1975	No. of candidates awarded Ph.D. degrees during 66-67 to 73-74
1.	Bengali	3	35	15
2.	Economics	6	20	10
3.	History	5	24	8
4.	Pol. Science/International Relation	4	15	8
5.	Sanskrit	4	20	31
6.	Philosophy	2	14	4
7.	Physics	5	18	30
8.	Chemistry	13	51	61
9.	Mathematics	18	68	61
10.	Geological Sciences	4	26	28
11.	English	-	34	7
12.	Comparative Literature	-	4	-
Total:		<u>64</u>	<u>329</u>	<u>263</u>

2.5 Teaching Staff: The total number of teachers in the faculties of arts and science is 258. Of these, 14 professors, 39 readers and 82 lecturers are in the 4 departments in the faculty of science and 14 professors, 32 readers and 77 lecturers are in the 9 departments in the faculty of arts. The teacher pupil ratio is 1:8. The number of teachers in various departments is:

<u>S.No.</u>	<u>Department</u>	<u>Professors</u>	<u>Readers</u>	<u>Lecturers</u>
1.	Bengali	1	5	9
2.	Comparative Literature	1	4	5
3.	Economics	2	5	9
4.	English	1	5	15
5.	History	3	2	9
6.	International Relations	2	4	12
7.	Philosophy	2	3	10
8.	Sanskrit	2	3	6
9.	Library Science	-	1	2
10.	Physics	3	9	25
11.	Chemistry	5	11	28
12.	Mathematics	3	11	20
13.	Geology	3	8	9
Total:		28	71	159

2.6 Examination Results: The results of university examinations during the past 5 years in various subjects are given in Annexure-I.

2.7 Income & Expenditure: The total income of the university during the period 1.4.66 to 31.3.74 was Rs 12,98,38,359 whereas the total expenditure was Rs 13,11,52,774. There was thus a net deficit of Rs 13,14,415. In the year 1973-74, the university had an income of about Rs 1.75 crores whereas its expenditure during this year was about Rs 1.93 crores. There was a net deficit of about Rs 18.41 lakhs. The details of income and expenditure from 66-67 to 73-74 are given in Annexure-II.

2.8 Admissions: Admissions to various courses are made on the basis of merit after an interview by the Admission Board constituted by the university.

2.9 Appointment of teachers: The university has constituted an Appointment Board for appointing of teachers and other staff in the University. The Vice-Chancellor, two Members of the University and one Nominee of the Chancellor are members of this Appointment Board. In the selection of teachers, the additional members are Dean of the Faculty, Head of the Department concerned and three experts in the subject nominated by the Vice-Chancellor.

3. Progress of Fourth Plan Schemes:

3.1 During the Fourth Plan, the University Grants Commission assisted the University towards the appointment of academic and technical staff, purchase of books and journals and laboratory equipments and construction of academic and residential buildings. The university during the last plan period concentrated on strengthening its existing postgraduate departments by extending laboratory, library, research and teaching facilities and by appointing additional staff. As such the University could not introduce any new subject of study at the postgraduate level during the last plan. The central library was strengthened, more amenities to students and teachers were provided and most of the construction projects which were started during the 3rd plan and the new projects sanctioned during the 4th plan were completed except C-IV staff quarters.

3.2 The university could not take up the construction of 32 staff quarters, museum building, science block and Vice-Chancellor's residence. During the 4th Plan, the Commission sanctioned 5 posts of professors, 10 posts of readers and 12 posts of lecturers. The university could not fill up the posts of one reader and one research assistant.

3.3 For the proposals accepted by the Commission, the total provision was Rs 67.35 lakhs of which the Commission's share was Rs 47.69 lakhs. The grants released upto the end of the 4th plan period amounted to Rs 29.74 lakhs. The actual spill-over to be carried to the 5th plan is about 6.75 lakhs, which would be the first charge on the 5th plan allocation of Rs 1.00 crore. A statement giving details of the schemes approved, grants released upto 31st March, 1974, and the spill-over to be carried to the 5th plan is attached as Annexure-III. The university's programmes during IV Plan were badly affected by campus disturbances.

4. Fifth Plan proposals:

The university has submitted proposals involving an out-lay of Rs 69.36 lakhs (excluding the salary of additional staff). Of this, Rs 50.01 lakhs is in the first priority; Rs 11.36 lakhs in the 2nd priority; and Rs 7.99 lakhs in the 3rd priority. These proposals also include the development of the university campus. In addition, the university has requested assistance towards the salary of additional staff of 6 professors, 12 readers, 5 lecturers, 9 research scholars and 15 others, in the 1st priority; 3 professors, 9 readers, 3 lecturers and 3 others in 2nd priority; and 3 professors, 2 readers, 5 lecturers and 11 others in the 3rd priority. The proposals generally relate to the strengthening of the existing science and humanities departments. The university

has proposed introduction of postgraduate courses in library science and Education and establishment of Central Instrumentation laboratory as well as renewal of building projects which were approved in the IV Plan but could not be taken up by the university.

5.2 Meeting with the Vice-Chancellor: The Vice-Chancellor in his discussions with the Visiting Committee inter-alia emphasised the following points:

(1) The University is rather young. During the Fourth Plan the University tried to consolidate the existing departments and improve the standard of teaching and research. The early years of that Plan were quite disturbed, and the normal life of the University was greatly affected. During recent years, the University and its teachers were mainly handicapped due to shortage of equipment etc. and rise in prices.

(2) During the current Plan period, the University intends to bring about qualitative improvements. The main emphasis would be on postgraduate development and research. Introduction of M.Phil. courses in a number of subjects is proposed. The proposals of the University also include introduction of M.Ed. courses and M.Lib. Science courses and development of central facilities for biophysical research. The University has been running B.Lib. Science and B.Ed. courses and now it wants to introduce postgraduate teaching in these subjects. The proposal for the introduction of M.Ed. course has been included outside the allocation of Rs 1.00 crore.

(3) Buildings of some departments have also to be extended. The Science Block which was under construction in the Fourth Plan was unlawfully occupied and damaged. The Commission was therefore requested to treat the case as a special one and agree to share the expenditure required for the repair of the building.

(4) The drainage system is very bad with the result that flood and rain water damaged the playgrounds and disturbed the normal life on the Campus. The water logging problem needs immediate readers by raising the level of the roads and the grounds. The expenditure involved in this has been included in the Plan proposals.

(5) The water supply on the Campus as well as in the laboratories is being arranged through individual tanks. Consequently, water supply is not available in the laboratories and in the hostels for all the 24 hours. In order to get rid of this problem, the University wants to provide a central reservoir.

(6) Since amenities provided to students are meagre, the university would like to improve them especially by the extension of the health centre and development of playgrounds.

5.3 Meeting with Students: The Committee had a meeting with a representative group of students. They laid stress on the following points:

(1) In the Chemistry Department excessive emphasis is being given to theory. The courses should be application oriented. Besides, the library and laboratories are not properly equipped. The stock of equipment, books and journals is inadequate.

(2) The students wanted an improvement in the library facilities e.g. open shelf system, more co-operation from library staff, less bureaucratization, multiple copies of text books and xerox facilities.

(3) The students of the department of International Relations stated that there was too much emphasis on Political Science in their courses. They wished to have special groups on International Economics and Sociology.

(4) The students of Electronic Engineering Department wanted adequate training in the handling of instruments and equipments.

(5) Computer facilities should be provided to all the departments and a course in Operation Research introduced. The mathematics students in particular wanted a use of the computer in connection with the numerical analysis and programming courses.

(6) The students generally complained that the playground was always water logged and not in proper shape.

(7) The students expressed themselves in favour of examination reforms - continuous assessment, more scope for tutorials, seminars, viva-voce etc.

(8) In reply to questions, the students said that they would welcome courses relating to Science and Society, Philosophy and History of Science, values in a technological society etc.

(9) The number of research fellowships should be increased especially in Arts Faculty where very few research fellowships were available.

(10) In certain subjects, the syllabus needed immediate revision since for the last 10 or 20 years no such revision had taken place.

The Visiting Committee feels that it is necessary for the university to have an effective faculty student committee, which provides a forum for frequent dialogue between the teachers and students.

5.4 Meeting with Teachers: The Committee also met a representative group of teachers, discussed with them the problems of the University and invited suggestions from them for improving the standards of teaching and research in the University.

(1) The teachers, in general, complained about the lack of research facilities, inadequately equipped laboratories and libraries. They also emphasised the need for more teaching accommodation.

(2) Some of the teachers desired that the personal promotion scheme which was introduced by the Commission in 1972-73 and subsequently withdrawn, may be reintroduced. This would provide an incentive to those teachers who are in the same grade for the last 10 to 15 years and for whom the chances of promotion are very scanty.

(3) The teachers also desired that residential accommodation may be provided to them, as most of the teachers have to come from a long distance.

It was sad to see that the discussions with the teachers were largely dominated by these questions. Questions relating to improvement of academic programmes, future direction of the university, thrust areas of research, possibilities of inter-disciplinary programmes did not evoke much response.

6. General Observations & Recommendations:

6.1 The Committee is not in favour of changing the unitary nature of the university and converting it into an affiliating university. The Committee is aware of the problems of Calcutta University and the suggestion that one way of lightening the load on Calcutta University is to transfer some of the colleges to Jadavpur University. While fully sympathetic to Calcutta University the Committee does not recommend that the problem be solved by changing the nature of Jadavpur University.

6.2 There should be continuing emphasis on the technological bias of Jadavpur University and even the

Social Science and Humanities departments should keep this in view. In particular, the Committee recommends general lectures and even perhaps the development of joint courses on Science and Society, technology and economic development and such other subjects involving both technology and other departments.

6.3 The Jadavpur University is a semi-residential University, but in the matter of organisation of courses, it does not seem to be different from other universities in the State. The University has neither introduced any new branch of study, keeping in view the special needs of the area or the existence of technology on the same campus nor any new ideas of faculty organisation. There has not been any arrangement for inter-departmental cooperation. During 20 years of its existence, it has not been able to adopt new lines or an inter-disciplinary approach.

6.4 The university was started to conduct courses in engineering and technology. Subsequently, it introduced postgraduate courses in Humanities and Social Sciences and Physical Sciences. But the introduction of the courses in Humanities and Social Sciences distorted the original character of the university and tended to transform it into a proto-type of the other two universities in the city of Calcutta. The University thus has little of a special character of its own which it could easily have developed by giving a new dimension to the study of Humanities and Social Sciences as also the physical sciences instead of considering them as separate additional streams to be offered to students like in any other university. Thus, the University could easily have introduced subjects in the Arts Faculty having a bearing on engineering and technology. There is at present no inter-action between the faculties of Humanities and Social Sciences and those of Sciences and Engineering and Technology. The Committee emphasised the desirability of such interactions and new courses in its discussions with the faculty. It hopes that the university will set up working groups to develop such courses. In doing so, the university may study the pattern of courses in the I.I.Ts.

6.5(a) The introduction of postgraduate courses in Humanities and Social Sciences has led to a situation which appears to be quite anomalous. So far as the teachers are concerned, more than 60% of them are in Faculty of Engineering. At the undergraduate level, the majority of students are in the Faculty of Engineering, while the number of students at the postgraduate level is more in humanities and social science and pure sciences than what it is in the Faculty of Engineering. The students are not distributed in a manner commensurate with the staff strength between these three faculties. It is not clear as to how the University wants to develop

the Faculty of Engineering and Technology and the Faculties of Humanities and Social Sciences and Sciences in a balanced fashion.

6.5(b) The University will, have to restructure its courses in all the faculties by adopting multi-disciplinary approach e.g. by introducing some courses in Logic, or scientific thought, Economics, History and English for the students of Engineering and Technology (as in the I.I.Ts.)

6.5(c) The Committee found that certain departments need to recast their courses to bring them in line with the latest developments in the subject and take into account the manpower needs of the area, and of the country. The courses in Humanities and Social Sciences as well as in Sciences will have to be recast keeping in view the need of Engineering and Technology students. The university may try to give special attention to what should be the role of Humanities and Social Sciences as also sciences in a technological university.

6.5(d) The university may consider introducing common core courses for science and technology students including technical arts and workshop practice as in the I.I.Ts. so that the science students here get the advantage of a technological institution.

6.5(e) The M.A. course in Philosophy appears to be oriented towards the study of logic. The Philosophy department could for example consider introducing a course relating to values in a modernising or developing or technological society.

6.5(f) The courses in International Relations are more oriented towards the political science than towards the study of other behavioural sciences. No active links have been established with the departments of History, Economics, Philosophy and English.

6.5(g) The departments of Bengali and Sanskrit are not aware of the work being done by their counterparts in other universities of the State and hence there is considerable duplication of efforts.

6.5(h) The Committee is of the view that during the current plan, the existing departments should be consolidated and to be encouraged to develop interaction with one another. Opening areas of study and starting new specialisations should be given low priority as this would only lead to a thin diffusion of scanty resources.

6.6 The Committee drew the attention of the Jadavpur University to the importance of recruiting teachers from all parts of the country. The university in particular try to avoid in breeding.

6.7 The University should also reconstitute the Boards of Studies and appoint experts from outside the State.

6.8 For the proper formulation of perspective plans for the development of the university and for a proper co-ordination and a continuous evaluation of the progress of various development schemes and projects, it is necessary that a Planning Board and Coordinating Unit is set up by the University. The Vice-Chancellor informed the Committee that a development officer has recently been appointed. This is a satisfactory first step.

6.9 The Committee noted that the University has appointed student-faculty Committees in various departments, but it was rather disappointing to note from discussion with students that these Committees have not been very effective and that the communication between the students and teachers needs considerable improvement.

6.10 The Committee noted that there was a xerox Machine available in the library but the students were not aware of its existence. Greater use should be made of the machine.

6.11 The Committee, strongly recommends that: (a) more copies of text-books may be purchased in the library out of the grant allocated for the purchase of books and journals; (b) the working hours of the library may be extended; (c) open shelf system be introduced and (d) a Committee with the representatives of students and teachers should be constituted for looking after the working of the university library.

6.11 The men's hostel which was constructed in 1951 by the University from its own resources is in a very poor shape. It has practically no facility for games and sports or for a reading room. The toilets and kitchen were dirty. The students were not happy with the quality of food served and from what the Committee noticed during its visit to the hostels, there seems ample ground for the complaints of the students. The Committee, therefore, recommends that steps be taken immediately by the University to improve the living conditions in the hostels.

6.12 The maintenance of university buildings, was below par. The University authorities should pay greater attention to this.

6.13 The Committee suggests that upto one-third of the book grant allocated during the current Plan period may be used for purchasing text-books. But the Committee is not in favour of starting departmental libraries in what is basically a 'one campus' university. But as some departmental libraries already exist, the Committee felt that it would be more appropriate to stock text-books in the departmental libraries and the general and reference books in the central library.

6.14 While the back volumes of journals may be purchased out of the grant allocated by the Commission, current journals should be purchased by the University out of the block grant provided by the State Government.

6.15 The Committee noted that the State Government has not so far any integrated plan for the development of the university education in the State. All universities are continuing to introduce the same traditional and conventional courses. The Committee, is therefore, of the view that the State Government might consider giving more attention to this. The coordinating Committee of Vice-Chancellors in the State may look into this question on a priority basis.

6.16 In some departments the number of research students per teacher seems to be relatively high. The enrolment of research students should be commensurate with the facilities available in the respective departments (including equipment and contingent grants in the case of experimental areas) and a teacher should not undertake to guide research work of more than five or six students. The university may ensure that the persons appointed especially to the posts of Professors or Readers possess adequate research qualifications, and experience.

6.17 The workload of teachers in certain departments is low. While the size of a tutorial group in some departments is too large. The University has introduced M.Phil courses in a few departments and wants to introduce such courses in other subjects for fresh postgraduate students, specially for those who wish to go in for research. For proper teaching of M.Phil. course, it is necessary that the faculty must be suitably qualified. Hence, the courses may be introduced only in those departments which have capable teachers for running them. The guidelines for M.Phil are being framed by the U.G.C. and may be taken into account by the university in framing its M.Phil. courses.

6.18 The Committee suggests that a Committee may be set up to coordinate or establish priorities for the purchase of costly equipments, especially equipment that is likely to be used on an inter departmental basis. Individual

items costing less than say Rs. 30,000/- may, however, be purchased directly by the departments concerned. The grant recommended for equipment latter in the report, may also be used for meeting the cost of recommissioning of equipment lying idle in various departments. The university must make every effort to keep in proper maintenance and use all the equipment with laboratories. It would expect the maintenance of equipment to be better than it has been specially considering the technological character of the university.

6.19 The Committee feels that the intake of the science departments should continue to remain as at present because of various limitations and job potential. Programmes for improvement of quality of teaching and existing specialisation be vigorously pursued by the departments. The Committee does not generally favour the opening of new specialisations at this stage. However, as suggested elsewhere students in one department/faculty may be encouraged to take courses in other departments/faculty. The intake of the humanities departments also needs to be regulated.

6.20 Various departments have asked for documentation facilities and grant for publication of research works. The Committee does not favour the purchase of equipment by individual departments for this purpose, since it is of the view that such facilities should be available at a Central place, so that these could be used by all the departments.

6.21 The Committee recommends that the additional teaching and technical posts mentioned later in the report are being recommended on the specific conditions that with effect from the date Commission's assistance ceases, i.e. from 1st April, 1979, these will be maintained by the State Government and that at no stage, the number of teaching and technical posts would be less than those existing on 1.4.1974 and the additional posts recommended now. However, if this happens, the Committee recommends that in the Sixth Plan the Commission may take suitable steps to ensure that this is not repeated.

6.22 The Committee heard frequent complaints of inadequacy of space. However, it did not appear that the existing space was rationally utilised e.g. a big workshop hall has not been used for five years; time tables of different departments could perhaps be adjusted to use the lecture hall space more economically; departments seem to spread in different buildings indicating an unplanned growth; various items are lying around on the floors of laboratories, giving an unnecessarily over-crowded and delapidated look etc. The university may try to rationalise the use of available space by appointing a Committee.

6.23 The Committee was surprised to find that the Science departments had not given much thought to the possible utilisation of the variable energy cyclotron, a major national research facility which is coming up in Calcutta.

7. Faculties of Humanities & Social Sciences:

7.1 Department of English: The department has been offering M.A. and M.Litt. courses. The M. Litt. courses is of two years' duration and has been running for the past three years. The intake in this course is 8. The department has a staff of one professor, five readers and 15 lecturers. 25 candidates are engaged in doctoral research.

The major areas of research in the department are Renaissance Literature and Literature from 18th, particularly Fiction and the Literature of Ideas. The members of the department have published a number of articles and reviews, mostly in Indian Journals. This is a good Joint seminars have been organised with the departments of comparative literature and Bengali. But closer links should be developed. It has a programme for building up the teaching of the English language, for which the department needs a senior person. The library is not well-equipped and needs to be strengthened. The following assistance is recommended for this department under first priority.

- | | | |
|--------------------------|---------------|------------------------|
| (i) Teaching Staff: | Professor - 1 | For general literature |
| | Reader - 1 | In Linguistics |
| (ii) Books and Journals. | Rs 30,000/- | |

The department is also organising a seminar on "English for special purposes" in collaboration with C.I.E.F.L. Hyderabad and the British Council. The U.G.C. also should support this. The department has sought financial assistance from the U.G.C.

7.2 Department of Comparative Literature: The department is offering facilities for teaching upto B.A.(Hons) and M.A. levels. It has an intake of 59 students in B.A.(Hons) 55 students in M.A.(previous) and 48 students in M.A.(Final) It has a staff of one professor, four readers and five lecturers. One part-time lecturer is also assisting the department. Five candidates are registered for Ph.D. degree. The department has a library which has in stock about 1,700 books. It has been subscribing to about

48 journals. The major studies undertaken so far are the study of Myth in the Epic and the relationship between Myth and Literature. The department wants to undertake research on Indian Epics and to expand it to modern literature. It also wants to continue research in the field of Comparative Study, Western & Indian Literatures. The department has been publishing a journal entitled 'Jadavpur Journal of Comparative Literature', of which 12 volumes have been published since 1961.

This is one of the promising departments of the University. The Committee recommends that the following facilities may be provided to the department during the current Plan period under first priority:

- (1) Teaching Staff: Lecturers - 2 (in Hindi & Tamil)
- (2) Books & Journals: Rs 50,000/-.

The department should develop closer collaboration with the Department of Languages.

7.3 Department of Bengali:- The department has an intake of 50 students in M.A. (previous) and the same number of students in M.A. (final). It has a staff of one Professor, five Readers and nine Lecturers. The post of one Lecturer is lying vacant. Besides, one professor has been provided under personal promotion scheme. The department has produced 17 Ph.Ds. since 1967 and 34 research students are working in the department. The department has not been able to establish active links with the department of Sanskrit, English and Comparative Literature. However, they have been taking the help of the history department for the teaching of History of Bengal. They also have not developed any contacts with the department of Bengali in other universities of the State. The Committee recommends that the following assistance may be provided to the department under first priority:

- (i) Teaching Staff: Reader - 1 (with specialisation in Modern Literature).
- (ii) Books & Journals: Rs 20,000/-.

7.4 Department of Sanskrit: The department has been offering facilities for teaching Sanskrit upto B.A. (Hons.) and M.A. levels. The total intake of the department both at the undergraduate as well as at the postgraduate level is 200. It has a staff of two professors, three readers

and six lecturers. Four part-time lecturers are also helping the department. The average workload per teacher per week is 13 to 14 periods. The department has been conducting traditional courses and has not tried to integrate the traditional and modern aspects of Sanskrit teaching. It has also not been giving any emphasis to the teaching of new aspects of Sanskrit scholarship. The Committee noted that while in other countries a new dimension is being given to logic and grammar, there is no provision for such a study in the courses prescribed by the department. The Committee, would, therefore, emphasise that the department may give serious thought to the restructuring of its courses so as to link them with the recent developments in the field of modern Sanskrit, Poetry, Logic and Grammar. The Committee recommends that the following assistance be provided to the department under first priority:

(i) Teaching Staff: Lecturer - 1 (in Linguistics)

(ii) Books & Journals: Rs 40,000/-.

7.5 Department of Economics:- The Department has been offering facilities for the teaching at the B.A.(Hons.) and M.A. levels. The present intake of department is 40 students in M.A.(Previous) and the same number of students in M.A.(Final). The intake of students at the B.A. (Hons.) level is 40 each year. The department has a staff of two professors, four readers and eight lecturers. The department has a slant towards teaching and research in Mathematical and Monetary Economic Problems. It wants to develop teaching and research in Public Finance and General Economics.

It is a fairly strong department and has done considerable research during recent years. One of its research projects has been accepted as guideline for project formulation and Evaluation by the UNIDOI. The evaluation made by UNIDOI has formed the basis of policy making by the Reserve Bank of India for financing small scale enterprises. The Committee recommends that this department should be given encouragement for pursuing its research programmes. The following facilities may be provided to the department during the current plan period:

A) First Priority:

Teaching Staff: Professor - 1 (with specialisation in Public Finance,
Readers - 2 (Public Economics & Industrial Economics)

p.t.o.

- (ii) Books & Journals: Rs 50,000
- (iii) Equipment (Calculating Machines) Rs 30,000
- (iv) Seminars & Symposia Rs 5,000

B. Second Priority:

- Equipment Rs 30,000

7.6 Department of International Relations: The department has been offering facilities for teaching political science upto B.A.(Hons.) level and International Relations at the postgraduate level. It has set up in 1956. Its present intake is about 185 students both at undergraduate as well as at postgraduate levels. It has produced so far 9 Ph.D. and 15 candidates are engaged in doctoral research. The department has a library which has in stock 451 books. It has been subscribing to 17 journals. The department has not been able to establish effective links with other departments, not even with the department of History. The Committee suggests that the department should handle the economic aspect of International Relations (e.g. foreign trade, aid possibility of loose type of common in South East Asia, Oil and Food diplomacy etc.) in close collaboration with the department of Economics which has the necessary expertise for the purpose. The Committee noted that one post of Readership is lying vacant which may be filled up by appointing a person with specialisation in Comparative Politics. The Committee recommends that the following assistance be provided to the department during the current Plan period under first priority

- (i) Teaching Staff: Lecturer - 1 (Political Theory)
- (ii) Books & Journals: Rs 50,000/-.

7.7 Department of History: This department has also been offering facilities of teaching at the B.A.(Hons.) and M.A. levels. The total intake at the B.A.(Hons.) is 100 while at M.A. level it is 90. 11 candidates have been awarded Ph.D. degree during the last five years. 20 research students are working in the department. The department has a sanctioned strength of 15 persons on its staff. The post of one professor and two readers are lying vacant. Thus, the present staff position in the department is two professors, one reader and nine lecturers.

This department is basically a modern history department and the courses lay emphasis on the study of Social and Political History of 19th and 20th centuries. The Committee, therefore, suggests that the department should develop teaching and research programmes in

Medieval History and the vacant posts of one professor and two readers may be filled up by appointing persons in this field. The department has not been able to establish any links with the departments of International Relations and Sanskrit. Since the present staff strength is adequate, the department may be helped by providing funds for strengthening the library to the extent of Rs 50,000/- during the current plan period under first priority.

7.8 Department of Philosophy: This department has also been offering facilities for teaching Philosophy at the B.A. (Hons) and postgraduate levels. It has an intake of 230 students. It has produced so far four Ph.Ds. and 20 candidates are engaged in doctoral research. The department has 15 teachers and teacher student ratio is 1:13. The teaching load on each teacher is on an average 12 periods per week. The department has produced 4 Ph.Ds. in past five years and 15 scholars at present working for their Ph.D.

The main thrust of the department is in Philosophy of Languages and Philosophy of Logic. The department has also been running M.Phil. course.

The publications and researches of the department are impressive, and the department as a whole is promising. However, the syllabus is not very satisfactory and in some respects is out-dated.

The department has produced good work in the field of Logic, Philosophy of Languages and Philosophy of Science, and therefore it seems to be worthwhile to assist them in specialising in these fields.

The department should provide lectures and courses on the Philosophy of Science and of Mathematics for students of technology.

The Committee recommends that following assistance be provided to the department under first priority:

(i) Teaching posts Two Readers - one in Indian Logic and the other in Philosophy of Science or Moral Philosophy

(ii) Books & Journals: Rs 40,000/-

7.9 Department of Library Science: The department has been conducting a B.Lib. Science course and wants to introduce one-year M.Lib. Science course. There are three whole-time teachers, one reader and two lecturers in the department.

Four part-time lecturers are also helping the department. The B.Lib. Science course is purely a professional course in which emphasis is being given to documentation, use of computer, preservation of manuscripts and the use of other non-book materials. The Committee recommends that the department be strengthened for providing intensive training at the B.Lib. Science Level. Some additional staff and funds for books and journals etc. may be provided. Accordingly, the following facilities are recommended for the current plan period under first priority:

- (i) Teaching Staff; Lecturer - 1
- (ii) Books & Journals: Rs 40,000/-.

8. Faculty of Science

8.1 Department of Geological Sciences.

(i) Existing courses and students intake: The department runs both B.Sc. and M.Sc. 3-year Applied Geology courses. About 15 to 20 students are admitted into B.Sc. Degree on the average and between 10 and 20 are admitted into M.Sc. Applied Geology Course.

(ii) Research Scholars: At present there are 15 research scholars working in the department in various schemes and under university fellowships. 31 doctorates were produced during the last 10 years, and 10 schemes from CSIR, University Grants Commission, Government of West Bengal are being run at present. In addition, the Committee was told that six more projects have been sanctioned. The department has so far published about 500 scientific articles in various learned journals and the students of the department have successfully completed in U.P.S.C. examinations and have been employed in various governmental and private agencies and in the Geological Survey of India.

In recognition to the valuable work done by this department, the UGC has sanctioned the department a special assistance programme for the period 1972-77 and thus the department has already attained the status of one of the few leading centres of teaching and research in geology in the country.

(iii) Main thrust areas: The main thrust areas of the department are in the fields of (i) Economic Geology (in which 2 professors have specialised), (ii) Petrology & Mineralogy (in which one Professor has specialised) and (iii) Structural Geology, Paleogeology & Stratigraphy. As a minor area the department is interested in Geophysics.

(iv) Existing Staff: There are at present three professors, 3 readers, 9 lecturers in the department. In addition, there are two readers and one research associate under special assistance programme.

(v) V Plan proposals: The department has submitted an ambitious programme of consolidation and expansion during V plan period. In particular, they proposed additional staff requirements of 3 professors, 5 readers and a draftsman. It has submitted proposals towards equipment grant worth Rs 5.6 lakhs library grant of Rs 1.1 lakh, a furniture grant of Rs 1.25 lakhs and building requirement of Rs 3 lakhs.

(vi) V Plan recommendations: After surveying the Committee is satisfied with the high caliber of the teaching staff of this department, with the courses and syllabi that are being pursued in the M.Sc. Applied Geology Course, with the research output and with the topics of research that are being pursued in this department. In particular, it is noted that the department is receiving special assistance from the UGC in the field of economic geology. These laboratories are well-equipped and facilities for research and training are of a reasonably high standard.

a) Teaching and supporting staff:

Priority-I One Professor in Structural Geology
one Reader in Coal Geology and
one Lecturer in Exploration
Geophysics.

Priority-II One professor in Petrology, one
reader in Petroleum Geology; one
senior Draftsman and one
Photographic Assistant.

Priority-III One Reader in Exploration Geology

It may be noted that the department has already one reader in geophysics. Being very near to the geological survey of India and its geophysical wing, the University of Jadavpur should in fact have a strong division of exploration geophysics, which is one of the important and modern branches of geological sciences. The Committee therefore recommends that in the V plan period, the Department should open a new thrust area in the field of exploration geophysics. It can make a beginning by appointing one lecturer who is specialised in exploration geophysics.

(b) Equipment: Some of the equipment of the department is not in working condition. It is therefore necessary as a first priority to put those instruments, which are not in working condition, into operation. For this purpose, the Committee would like to set apart a sum of Rs 50,000/- for repair and maintenance out of equipment grant being recommended under first priority. In addition, the Committee would like to recommend an equipment grant of Rs 5 lakhs for purchase of new equipment listed by the department. Thus a total sum of Rs 5.5 lakhs is recommended for equipment (Rs 3.50 lakhs under first priority and Rs 1.00 lakh each in second and third priority).

(c) Books and periodicals: A sum of Rs 1 lakh is recommended for books and journals under first priority.

(d) Recurring: The department at present obtains a sum of Rs 3,500 from the UGC towards field training programmes of postgraduate students. In addition, it is recommended that Rs 8,000/- be given to this department under first priority during V Plan towards field work and research contingencies. The university may give additional (at least equal) amounts also from its own funds, to augment the resources for field expenses.

(e) Space: The department is at present having an area about 7,500 sq.ft. and is getting 5,000 sq.ft. more soon, thus making it a total of 12,500 sq.ft. Even though the Department has put up proposals for additional space of 5,000 sq. ft., the Committee feels that no new space need be given to this department and the existing space of 12,500 sq.ft. is sufficient at this juncture.

It is noted that at present the department is situated in two adjacent buildings. It is necessary to rationalise the space and to accommodate the entire department in one building or part thereof where the total space available to the department viz., 12,500 sq.ft. is located in one area.

f) The department should enable teacher fellows from other institutions to come and use its facilities.

g) The department may try to avoid in breeding and recruit staff on an all India basis, especially as it enjoys the status of a department of special assistance.

8.2 Department of Chemistry: Being the department of an engineering university, it primarily caters to the needs of students of various engineering departments. In addition, the department has graduate and honours

courses in chemistry leading to M.Sc. degree. Research Work is also being conducted by various members of the staff for the doctoral degree of the university.

The department has several major equipments such as Thermobalance for study in controlled atmosphere, various Spectrophotometers, Light scattering photometer, Judd-Lewis Comparator, Solaregraph etc. The departmental library has 4,000 books, several of which are multiple copies of the text books and subscribes to 58 journals. The workshop has a lathe, drilling machine and some other tools and has one Foreman to look after the work. Glass blowing facility is available to the research workers.

The main thrust of the research work has been in Analytical and Inorganic Chemistry, Physical (Electro-chemistry, Photochemistry and spectroscopy surface chemistry and molecular statistical mechanics of liquids) Organic Chemistry (Synthetic Organic Chemistry and reaction mechanics, Organic photochemistry). During the past 10 years, 241 publications have been made in various national and international journals. During the same period, 15 members of the staff visited various institutions abroad on Fellowships and visiting positions and the department operated 18 research schemes sponsored by various agencies as CSIR, UGC, East India Pharmaceutical works, Calcutta etc. In addition, a project "Properties of Electrolysis in Homogeneous Media" was supported by National Bureau of Standard, Washington under the PL-480 scheme. At the time of the visit there were 24 regular research students supported by the various agencies. In addition, there were 20 part-time (unpaid) research workers in the department.

The department of chemistry is spread over three buildings. In each building, the space is allocated on different floors. This creates difficulties in organising the teaching and research work of the department. There is considerable congestion in the various rooms and laboratories in the department. In some cases, the teachers did not appear to have even a proper place to sit. Although some more space would become available after proposed reallocation in which the geology and Mathematics departments would shift from one of the buildings housing the department, the department's need for additional space needs urgent consideration.

The workshop available is inadequate. Most of the machines appeared to be out of order and no worthwhile work appears to have been taken during the last five years. Some workshop facilities were available from the Physics department and some other departments, on a personal basis.

A large part of the equipment is not in a working condition. One Beckman DU Spectrophotometer was kept in a non-airconditioned room. It has been out of operation for more than 1½ years. This also applies to some other costly and sophisticated equipment, parts of which were not operating because of lack of spares and/or minor repairs.

The library facilities need considerable improvement. Since the available space is not sufficient, the journals should be shifted to the Central Library. Only the textbooks needed by the postgraduate students should be retained.

The research contribution by the members of the staff is of a high order and the members of the department have published research papers in journals of National and International repute. But all the senior faculty members do not seem to have been consulted in preparing the final draft of the Fifth Plan proposals submitted to the Visiting Committee and that there could be more coordinated planning within the department.

The university should give attention to consolidations of the accommodation of the department presently available in several buildings.

The existing instruments must be put in order providing air-conditioning, where necessary.

The main thrust of the research work will perhaps continue in the areas in Physical, Inorganic/Analytical and Organic Chemistry given above and should continue to be supported. It will be desirable to ensure that research activities in Inorganic/Analytical Chemistry section are sustained, since Professor A.K. Majumdar who did so much work in the area retired some time ago.

In filling the vacant positions, balance between various areas should be booked into; at present, the staffing is too much biased towards inorganic chemistry. The department may introduce instrumentation as a component of the regular training of its M.Sc.s. This may be done in co-operation with the Electronic Engineering department.

Staff:

a) Teaching: - Considering the availability of staff and the work-load, the Committee does not feel the necessity of recommending additional teaching positions in the department; the available vacant/unfilled positions should be filled in the specialisations/areas of research work for which they were allocated by UGC during the Fourth Plan period. In case, the Readership in Physical

Chemistry (Photo-biology) has lapsed, the Committee recommends that it be revived.

b) Non-teaching staff: The post of instrumentation engineer now vacant should be filled. In addition, the Committee recommends appointment of four technical assistants for operation of general/specialised instruments under first priority.

4. Equipment:

a) While the university might consider the possibility of providing an atmosphere in which the pure Science departments were helped by the engineering departments for minor repairs and/or fabrication of equipment for research work, a sum of Rs 50,000 may be utilised on repair and maintenance of equipment presently out of order, out of the equipment grant being recommended under first priority.

b) All equipments costing Rs 25,000/- or more should be considered as a centralised facility. The maintenance of this should be the responsibility of the university, and funds should be separately allocated for this. For smooth day-to-day use of this equipment, a small User's Committee should be formed. It should deal with all new sophisticated equipment to be purchased and some of the existing equipment could also be brought under its purview. It is not the intention to shift all such equipment to one location, but their operation should not be controlled by an individual teacher or a department. The maintenance of the equipment would be the responsibility of the university. Grants of Rs 6 lakhs may be provided for equipment (Rs 4.00 lakhs including Rs 0.5 lakhs for repair and maintenance under first priority and Rs 1.00 lakh each under second and third priorities) and Rs 1 lakh for books and journals under first priority for the Department of Chemistry. The university may avoid duplication with the Indian Association for Cultivation of Science, with regard to costly journals.

3.3 Physics Department: The Physics Department has a staff of 3 professors (1 vacant), 8 readers (1 vacant) and 30 lecturers and principal research areas are Molecular Structure, Theoretical High Energy Physics and Solid State Physics. A cloud chamber and neutron generator have been under construction for some time, but the Committee found it difficult to get an idea as to what one would do with these, when ready. Also, the time scale on which this work has been going on appeared to be rather long. It would be useful to have more clear objectives when such fabrication work is undertaken and then to complete it soon.

The Department has a nuclear physics laboratory for M.Sc. students. It has not yet given any serious thought to the possibility of using the Variable Energy Cyclotron (VEC) a major national research facility, which is coming up at Calcutta. The Committee has recommended some positions to which qualified experimental nuclear physicists may be appointed, so that the department may be in a position to use VEC. Existing nuclear physicists may also consider orienting themselves to the use of VEC.

The Solid State programme deserves support. On the other hand, the Committee does not recommend the plasma physics proposal since no one in the physics department appears to be interested in this area now.

The Committee felt that the department was perhaps offering too many specialisations at M.Sc. (and then complaining about teaching load). It may consider reducing the number of specialisations offered, and confining them to those areas where active research was going on in the department.

The Committee was given to understand that the specialisation in electronic was formerly given in the electronics engineering department, but this had to be discontinued. Even now, the M.Sc's from the physics department were said to be going to the electronic engineering department for research, because of better job opportunities. The university, may, therefore, consider whether the electronics specialisation should not again be made an inter-departmental programme.

The department may try to identify a few research areas in which all or most of the research effort may be concentrated during the Fifth Plan period so that they may be able to make an impact. This would be particularly necessary in deciding the priorities for equipment to be bought out of the limited plan resources. Solid state physics and nuclear physics (based on VEC) appear to be two such areas. Even here, especially in nuclear physics, careful planning will be necessary, and the university may consult experts at VEC.

The following assistance may be provided to the department of physics by the UGC during the current plan

period :

A. Teaching Staff under First priority :

1 Reader }
1 Lecturer } Experimental Nuclear Physics keeping in
view the Utilisation of V.E.C.

B. Books and Journals under First priority Rs. 1,00,000/-

C. Equipment 1st priority Rs. 2,50,000/-
(including Rs.1 lakh for the solid state physics laboratory)
2nd priority Rs. 3.00 lakhs
3rd priority Rs. 1.00 lakh
(subject to the university submitting detailed proposals for utilisation of VEC to the UGC for approval).

8.4 Department of Mathematics: The department of mathematics has 3 professors (all specialised in Applied Mathematics), 11 readers and 20 lecturers. Most of the readers and lecturers (except 3 or 4) have also specialised in applied mathematics. Possibly as a result of this students also mostly do not take pure mathematics at M.Sc. The development of the department, therefore, clearly lacks balance. The department, in future, should try to restore a balance on a priority basis by laying greater emphasis on pure mathematics, because unless this side is properly developed, applied mathematics side also cannot grow as it should. The Committee is not convinced that it is difficult to get good pure mathematicians, as was stated to us during discussions.

The department has been quantitatively quite productive in research. It lists as many as 22 major areas of research. No department can be expected to specialise in so many branches and do justice to them. The department may, therefore, try to concentrate on a limited number of selected thrust areas, so that its researches may make an impact at the national and international level.

The department has conducted several summer institutes for school and college teachers and NSTS scholars. Work is also being done in the field of Mathematics Education.

There is a feeling in the department that the teaching of mathematics in the engineering faculty is different from the teaching in the main department. For example, we were told that they have asked AICTE for a professorship in Engineering Mathematics because most of their teachers are with a non-engineering background. This kind of a feeling creates walls which are harmful both to the engineering subjects and to mathematics, and should therefore be avoided if the standards of mathematics are to be raised. The staff may try to exploit their location in a technological environment to orient themselves appropriately. There is scope for increased interaction with the engineering departments both for research and for teaching. The department may consider reorienting the courses at undergraduate and postgraduate levels, keeping in view the fact that it is located in a technological university.

The group on operations research may be encouraged to establish contacts with industries and with Departments of the Engineering faculty.

The Biomathematics group will have to develop close contacts with biology or medical research workers outside the University.

The following assistance is recommended for the department of Mathematics:

A. Teaching Staff :

First Priority 2 Readers in pure mathematics

Second priority 1 Reader in operations research

B. Books and Journals Rs. 1.00 lakh under First Priority.

9. Introduction of New Courses :-

9.1 Master's Degree Course in Library Science :-

The University is running a bachelor's course in library science. The University proposes to introduce a Master's degree course in library science during the Fifth Plan period. The Committee is of the view that a Master's degree course in Library Science should not be started simply for meeting the demand for trained librarians in the colleges since acquisition of a Master's degree in library science is not an essential qualifications for such posts. There are a number of institutions in the

country which are training diploma holders and graduates in library science. The University should for the present concentrate on consolidating the B.Lib. course.

9.2 Postgraduate Course in Education:- The University proposes to introduce a postgraduate course in education during the Fifth Plan period. The course which has been formulated on the basis of the recommendations made by the Education Commission (1964-66) would include papers on educational planning and administrative, teacher education, educational evolution etc. The University would award a Master's degree after a student successfully completes the prescribed courses which will have four compulsory and two optional papers as well as a dissertation and vive voce. The University would require a staff of two Professors, six Readers and 12 Lecturers on the teaching staff for introducing the course as well as a non-recurring grant of Rs 10.30 lakhs and a grant of Rs 13.85 lakhs for meeting expenditure on recurring and other items. The proposal presented to the Committee did not reflect any new ideas especially the fact that the postgraduate course would be run in a technological environment at a time when 10+2+3 was being introduced. The Committee is not inclined to recommend opening of a postgraduate course in education. Other universities in the State are already providing facilities for undergraduate and postgraduate courses in education.

9.3 Central facilities for Bio-physical research

The Committee considered the proposal for the development of central facilities for biophysical research at the university and discussed it with the scientists concerned. The Committee feels that the proposal deserves serious consideration, but found it difficult to include it in its recommendations within the limited resources. It would suggest that the scientists concerned may make a separate joint inter-departmental research proposal to the U.S.C. or to the S.R.E.C. of the Department of Science and Technology outside the V Plan.

10. Miscellaneous Items:

10.1 Central Library:- The University library has at present about 1,95,000 books in various subjects. It is also subscribing to about 1100 journals. The university spent Rs 2.18 lakhs on books and journals during the year 1973-74. The library works

p.t.o.

for 10 hours a day. Its reading room has the capacity for 335 students. The University has got 6000 textbooks in the library and 2600 books are issued on an average per week to the students and teachers.

The library has got Chief Librarian, a Librarian and 74 other staff which include Assistant Librarians, Sorters, Binders, Junior Assistants and Peons. The staff provided for the library is adequate. The Committee recommends that an amount of Rs 8.00 lakhs (Rs 4.00 lakhs under first and Rs 2.00 lakh each in II & III Priorities) may be provided to the Central Library for the purchase of books and journals. The Library may also be provided with a grant of Rs 10,000/- for equipment under first priority (including Xerox Machine). The University has proposed extension of the library building since large number of books and journals etc. are stacked on the floors of the existing building and students and teachers find great difficulty in making use of them. The University will require extra space to keep these books and journals in proper order.

The University also could not implement the project for construction of a museum which was approved in the Fourth Plan period. The University has now proposed construction of museum in the library building on the ground floor at a total cost of Rs 1.02 lakhs. The estimated cost on the construction of library building is Rs 6.50 lakhs. The Committee recommends that the proposal of the University be accepted and the Commission may provide assistance for this purpose on usual sharing basis. The total cost would be about Rs 7.50 lakhs (UGC share Rs 3.75 lakh, Rs 2.00 lakhs in first and Rs 1.75 lakhs in second priority).

10.2 Central Instrumentation Laboratory:- The University proposes to develop central facilities for research and industrial consultancy and, therefore, has proposed the establishment of a Central Instrumentation Laboratory during the Fifth Plan period, which will also serve as a service centre for the different university departments. The proposal for the establishment of the Central Laboratory envisages a total assistance of Rs 1.00 crore of which Rs 85.00 lakhs would be needed as capital grant and the rest for meeting expenses on staff and contingencies. A staff of one Principal Scientific Officer, six Officer-in-charge of Chemical, Electronic, Electrical, Mechanical, Optical and Hydraulic Sections, 8 Technical Assistants and 10 Junior Staff including Peons has been proposed for the Central Laboratory. The proposal has been submitted to the A.I.C.T.E. The Committee supports

the general idea of a central Instrumentation Laboratory. It earmarks an amount of Rs 10.00 lakhs for instruments that may be purchased in this central facility and two staff positions under second priority. In any case, the Committee recommends that the maintenance of the instruments in the various departments of the university should be a central responsibility, for which steps be taken on an urgent basis.

10.3 Students' Hostel:- The University has got four hostels. It can accommodate 730 students. 620 seats are available for undergraduate students, 100 for postgraduate students and 10 for research students. Thus, 12 per cent students are accommodated in the hostels. Three hostels are meant for boys and one for girls. The University did not propose extension of hostel facilities since the present facilities appear to be adequate.

The Committee recommends a grant of Rs 1.00 lakh under first priority as UGC share for improvement and renovation of the hostels and it hopes that the State Government will also make not only matching but adequate contribution for this purpose.

10.4 Teachers' Quarters:- The University has at present, staff quarters for teachers and a teachers' hostel for accommodating 15 Professors, 17 Readers and 23 Lecturers. The teachers in their meeting with the Committee stressed the need for providing more accommodation to them as most of them have to come from a long distance. The University has included construction of staff quarters in its Fifth Plan proposals. Construction of additional staff quarters was approved by the Commission in the Fourth Plan period, but for a variety of reasons the University could not undertake the construction work so far. The Committee recommends that approval for construction of staff quarters be renewed during the Fifth Plan period as a new scheme and construction of staff quarters at a total cost of Rs 11.00 lakhs on usual sharing basis may be approved by the Commission (UGC Share 5.50 lakhs, 2.50 lakhs in first and Rs 3.00 lakhs under second priority.).

10.5 Class-IV Staff Quarters:- The Commission approved construction of 32 Class-IV staff quarters during the Fourth Plan period. The work on this project has been recently undertaken. The General Secretary of the Jadavpur University Non-teaching Employees Association met the Committee and requested that the University has got such a large number of Class -IV

employees that unless suitable accommodation is not provided to all of them, it would create lot of hardships to them and their families. He, therefore, requested that a total of 576 quarters may be constructed for Class-IV employees at a total cost of Rs 3.44 crores. The Committee feels that construction of 32 staff quarters will not ease the situation and, therefore, the Commission should provide assistance for construction of more quarters for Class-IV employees during the Fifth Plan period. The University has indicated that a total expenditure of Rs 7.56 lakhs will have to be incurred on construction of 32 quarters for Class-IV employees since the cost of construction has considerably gone up. The Committee recommends that assistance be provided to the University for construction of 32 additional staff quarters for Class-IV employees, at a total cost of Rs 7.5 lakhs and the Commission may provide assistance for this purpose on usual sharing basis (UGC share Rs 3.75 lakhs, Rs 1.75 lakhs under first and Rs 2.00 lakhs under second priority).

10.6 Science Block:- The Commission approved the construction of a Science Block during the Fourth Plan period, but the University could not undertake the construction work during the Fourth Plan period. The University has requested that the sanction be renewed during the Fifth Plan and the Commission may provide assistance for this purpose so that the University may proceed with the construction of the Science Block. The Committee recommends that the Commission may provide assistance for the construction of Science Block during the Fifth Plan period at a total cost of Rs 2.70 lakhs (UGC share Rs 1.35 lakhs) on usual sharing basis under first priority.

10.7 Vice-Chancellor's Residence:- The construction of Vice-Chancellor's residence at a cost of Rs 90,000/- was approved by the Commission during the Fourth Plan period, but like other buildings, construction of Vice-Chancellor's residence could not be undertaken by the University for a variety of reasons. The proposal has been included by the University in its Fifth Plan development schemes. The estimated cost of construction has, however, gone up from Rs 90,000/- to Rs 1.22 lakhs. The Committee recommends that the sanction may be renewed for the construction of a Vice-Chancellor's residence during the Fifth Plan period and the Commission may provide assistance for this purpose on usual sharing basis, if funds are available under second priority.

10.8 Development Officer:- The University has proposed that the Commission may approve a post of Development Officer for the University during the Fifth Plan period. The Committee noted that the University did not appoint any Development Officer in the Fourth Plan period and that the Commission is giving preference to such universities in the matter of providing assistance for the post of Development Officer which did not have this post during the Fourth Plan period. The Committee, therefore, recommends that the Commission may provide assistance for the post of a Development Officer to the Jadavpur University under first priority during the Fifth Plan period. The University will have to provide for the establishment of office for the Development Officer from its own resources. A Development Officer has apparently already been appointed in anticipation of UGC sanction.

10.9 Campus Development/Water Supply:- The University has proposed the development of University campus by filling low lying areas and development of roads and culverts in the University campus at a total cost of Rs 5.00 lakhs. The students in their meeting with the Committee also pointed out that the playgrounds were generally filled with water and there was an immediate need to fill the low lying areas in the University campus. The University has also proposed the improvement of water supply facilities in the University. The Committee feels that these responsibilities should really be taken by the State Govt. and that the State Government should provide necessary funds, on a priority basis, for campus development and water supply facilities to the University specially as funds from the Commission during the Fifth Plan period even for development programmes are very limited and it would not be possible for the UGC to provide any assistance for campus development etc. under development schemes except under priority third under which a provision of Rs 5 lakhs is recommended.

10.10. Research Fellowships:- The students in their meeting with the Committee pointed out that the number of research fellowships available at the University was so meagre specially in Arts Faculty that most of the students do not have any opportunity for pursuing research. The Committee recommends that the Commission may provide 15 junior fellowships in the first priority to the Jadavpur University. The total expenditure on providing these facilities would be about Rs 3 lakhs.

10.11 Visiting Faculty:- The Committee recommends that a grant of Rs 1.50 lakhs under first priority, Rs 1.00 lakh under second and Rs 0.50 lakhs under third priority may be provided to the Jadavpur University to enable the Arts and Science departments to invite experts and specialists from other institutions from within the country on short-term basis to help them in executing specific teaching and research programmes.

10.12 Publication of Research Work:- The Committee recommends that an amount of Rs 1.00 lakh may be provided to the University to enable it to undertake the publication of theses and learned research works completed by its scholars and teachers under first priority.

10.13 Use of Outstation Research Facilities:- The teachers and research students in Arts and Science departments have sometimes to go to other institutions for short periods in connection with their research work. Due to lack of financial assistance specifically for this purpose, the research work of teachers and research students who are not getting any fellowships etc., suffers. The Committee, therefore, recommends that a grant of Rs 1.00 lakh may be provided to the University under first priority to enable it to provide financial assistance towards travel etc. to its teachers and research scholars for working at other institutions in connection with their research work.

10.14 Extension Lectures, Seminars Exchange Programmes
The Committee recommends that an amount of Rs 1.00 lakh under first and Rs 1.00 lakh under second priority may be made available to the University for organising extension lectures, seminars exchange programmes etc. in the faculties of Arts and Science.

10.15 Health Centre: The University has a health centre which is housed in a two floor building. The Centre has eye clinic, dental clinic, ENT clinic and a clinical pathological laboratory in addition to general facilities. The Centre has at present a total staff of 11 persons. Further staff and equipment are needed to run the centre efficiently. The Committee recommends that a total grant of Rs 1.00 lakh (UGC share Rs 75,000) for extension and equipment under first priority and staff on usual sharing basis) outside V Plan allocation may be provided to the health centre.

11. Financial Implications:- A Summary of financial implications of the recommendations made by the Committee is given below. The figures are in lakhs of rupees and

represent UGC share

S.No.	Item	I	II	III	Total
1.	Spill over	6.75	-	-	6.75
2.	Books*	11.70	2.00	2.00	15.70
3.	Equipment*	10.40	15.30	3.00	28.70
4.	Building	8.60	7.36	-	15.96
5.	Other schemes	0.13	-	-	0.13
6.	Research Fellowships	3.00	-	-	3.00
7.	Visiting Faculty	1.50	1.00	0.50	3.00
8.	Publication of Research Work.	1.00	-	-	1.00
9.	Use of Outstation Research Facilities.	1.00	-	-	1.00
10.	Extension Lecture/Seminar	1.00	1.00	-	2.00
11.	Staff	11.10	3.20	0.57	14.87
		(3P, 10R, 7L&5ot	(1P, 3R;	(1R)	
			1L&2	-other	
12.	Campus Development & Water Supply	-	-	5.00	5.00
13.	Health Centre	0.75	-	-	0.75
Total:		56.93	29.86	11.07	97.86

* The amounts recommended for Books & Journals and equipment include basic grant of Rs 3 lakhs for Books and Rs 5 lakhs for Equipment already approved during the Fifth Plan period department-wise, details of the amount/staff recommended above are given in Annexures IV, V & VI.

12. The Committee is grateful to the Vice-Chancellor, Registrar and other University authorities for providing all facilities to the members at the time of their visit to the University.

JADAVPUR UNIVERSITY

CALCUTTA

EXAMINATION RESULTS

Faculty of Arts.	1969				1970				1971				1972				1973				
	Appeared		Passed		Appeared		Passed		Appeared		Passed		Appeared		Passed		Appeared		Passed		
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
<u>B.A.</u>																					
Bengali -	1	3	1	3	-	5	-	5	2	7	2	7	-	5	-	5	1	-	1	-	
Comparative Literature	2	-	2	-	2	1	2	1	-	1	-	1	1	4	1	4	-	1	-	1	
Economics	15	6	12	5	15	12	15	10	21	8	20	6	14	9	12	8	13	12	11	9	
English	14	16	13	16	13	18	9	18	11	28	11	28	8	19	7	19	5	23	5	23	
History	3	8	3	5	5	13	5	12	6	13	6	13	3	12	3	12	2	1	2	1	
Political Science	4	10	4	9	6	21	5	20	10	19	10	17	8	11	7	9	4	7	4	6	
Philosophy	1	10	1	10	1	14	1	14	1	23	1	23	-	14	-	13	1	7	1	7	
Sanskrit	-	10	-	10	3	16	3	16	4	13	4	13	1	14	1	14	2	3	2	3	
Mathematics	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	
B.Library Science	17	18	15	18	18	15	17	14	19	19	18	19	15	21	15	21	20	19	19	19	
<u>M.A.</u>																					
Bongali	23	56	17	50	27	44	25	41	19	37	19	34	10	29	10	28	25	40	21	29	
Comparative Literature	1	14	1	11	-	19	-	13	5	14	5	11	-	7	-	7	3	10	3	7	
Economics	36	17	28	15	36	17	30	15	29	9	25	9	24	13	23	13	21	17	19	15	
English	34	43	26	38	43	45	41	42	37	41	31	34	29	55	25	47	34	39	27	33	
History	33	34	28	32	32	42	30	42	25	33	22	31	23	39	20	38	17	27	14	25	
International Relations	10	18	8	16	6	22	2	14	7	19	7	17	7	28	4	18	13	27	9	17	
Philosophy	25	43	15	35	14	39	12	33	14	57	12	50	10	30	5	21	11	25	3	17	

	1969				1970				1971				1972				1973			
	Appeared		Passed		Appeared		Passed		Appeared		Passed		Appeared		Passed		Appeared		Passed	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Sanskrit	47	41	46	41	29	35	29	35	45	60	43	57	15	47	14	46	14	32	10	28
Mathematics	3	1	3	1	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-
<u>Faculty of Science</u>																				
<u>E.Sc.</u>																				
Chemistry	24	10	14	5	18	13	16	8	17	7	17	7	11	5	6	5	21	5	15	4
Geological Science.	12	2	10	2	11	2	11	2	20	-	18	-	8	1	7	1	10	3	8	3
Mathematics	11	7	8	7	14	12	12	12	9	9	9	9	8	9	6	8	13	9	12	7
Physics	13	9	10	7	18	10	18	10	17	7	17	5	11	10	11	11	20	9	14	8
<u>M.Sc.</u>																				
Applied Geology	20	-	18	-	20	2	20	2	2	-	2	-	8	1	8	1	11	1	11	1
Chemistry	16	3	13	2	24	8	22	8	28	5	25	5	13	7	11	7	29	4	25	3
Mathematics	84	11	65	9	92	7	90	6	76	15	64	15	64	16	56	15	43	13	35	10
Physics	19	6	15	6	26	8	25	8	20	8	20	8	12	9	10	8	22	4	20	4

ANNEXURE-II

JADAVPUR UNIVERSITY

Total income and expenditure of the University from 1.4.1966 to 31.3.1974

	1966-67	1967-68	1968-69	1969-70	1970-71	1971-72	1972-73	1973-74
INCOME RECURRING								
Grant from State Govt.	68,14,508	71,76,296	84,04,808	88,72,787	1,01,67,542	1,20,22,711	1,31,27,080	1,25,30,600
Income from Fees etc.	12,40,900	12,21,638	11,63,164	11,72,788	7,71,354	8,54,055	9,48,917	12,94,443
Other sources	24,37,791	24,40,608	25,13,460	36,30,338	19,41,405	23,50,915	19,23,804	12,77,304
For Fellowships/ Scholarships	12,77,554	12,75,664	10,58,668	7,09,778	13,58,509	7,37,273	7,52,668	12,05,347
Non-Recurring	27,22,946	27,26,913	20,53,930	18,30,174	12,82,500	11,85,383	21,86,336	11,75,500
	1,44,93,699	1,48,41,119	1,51,94,030	1,62,15,865	1,55,21,310	1,71,50,337	1,89,38,805	1,74,83,194
EXPENDITURE								
1. Salaries of Teaching Staff	37,36,000	42,81,833	50,78,296	55,60,444	60,89,597	61,09,696	66,13,396	73,03,860
Non-teaching	18,67,337	20,76,309	26,16,939	33,87,054	35,30,532	38,10,463	40,42,244	57,62,920
2. Administrative (Salary)	1,85,800	1,97,165	2,01,478	1,98,314	2,30,522	2,05,339	1,93,903	
3. Library books/ Journals-Non-recurring	1,35,106	1,92,440	1,95,475	2,25,787	4,85,023	3,11,758	3,24,500	3,90,477
4. Equipment-Non-Recurring	9,03,834	4,09,702	3,59,103	4,42,097	3,14,496	2,42,394	10,94,018	11,37,329
5. Buildings-Academic and other (Non-recurring)	15,96,874	18,92,890	12,56,216	5,61,293	5,46,082	5,85,336	7,66,222	7,97,185
6. Scholarships/Fellowships	11,92,700	11,31,578	12,43,164	10,02,902	12,00,621	10,75,011	7,63,471	6,80,000
7. Any other items	23,65,728	31,08,081	31,73,832	33,67,779	35,92,378	38,25,256	43,51,091	23,49,886
8. Recurring (Lab. & Chem.)	9,65,022	10,93,652	11,91,116	9,63,871	7,58,425	7,83,457	5,90,290	6,83,980
9. Books/Journals - Recurring	87,936	1,11,019	1,26,504	1,39,486	1,38,273	1,77,116	2,05,435	2,18,720
	1,30,36,343	1,44,94,669	1,54,42,123	1,58,49,027	1,69,35,949	1,71,25,736	1,89,44,570	1,93,24,357
Surplus deficit (+) (-)	(*)14,57,356	(+) 3,46,450	(-) 2,48,093	(+) 3,66,838	(-) 14,14,639	(+) 24,601	(-) 5,765	(-) 18,41,163
Total Income		12,98,38,359						
Total Expenditure		13,11,52,774		Net Deficit (-)	13,14,415			

ANNEXURE-IVJ A D A V P U R U N I V E R S I T Y

Amount recommended for books and equipment during the V Plan Period.
(The figures represent UGC share and are in lakhs of rupees. The amount includes basic grants for books (Rs. 3.00) and equipment (Rs. 5.00) already sanctioned during the V Plan Period).

S.No.	Department	Books				Equipment			
		I	II	III	Total	I	II	III	Total
1.	English	0.30	-	-	0.30	-	-	-	-
2.	Comparative Literature	0.50	-	-	0.50	-	-	-	-
3.	Bengali	0.20	-	-	0.20	-	-	-	-
4.	Sanskrit	0.40	-	-	0.40	-	-	-	-
5.	Economics	0.50	-	-	0.50	0.30	0.30	-	0.60
6.	International Relation	0.50	-	-	0.50	-	-	-	-
7.	History	0.50	-	-	0.50	-	-	-	-
8.	Philosophy	0.40	-	-	0.40	-	-	-	-
9.	Library Science	0.40	-	-	0.40	-	-	-	-
10.	Geology	1.00	-	-	1.00	*3.50	1.00	1.00	5.5
11.	Chemistry	1.00	-	-	1.00	£4.00	1.00	1.00	6.00
12.	Physics	1.00	-	-	1.00	@2.50	+3.00	+1.00	6.50
13.	Mathematics	1.00	-	-	1.00	-	-	-	-
14.	Central Library	4.00	2.00	2.00	8.00	0.10	-	-	0.10
15.	Central Instrumentation Laboratory	-	-	-	-	-	10.00	-	10.00
Total		11.70	2.00	2.00	15.70	10.40	15.30	3.00	28.70

*including Rs. 0.50 lakh for repair & maintenance.

@Including Rs. 1.00 lakh for Solid State Physics Lab.

+ Subject to detailed proposals for utilisation of V.E.C. to be submitted to UGC for approval.

ANNEXURE-VJadavpur University

Amount recommended for building/furniture and other Schemes during the V Plan Period (All figures are in laksh of Rupees and represent only UGC Share).

S.No.	Department/Item	Building			Other Schemes				
		I	II	III	Total	I	II	III	Total
1.	Economics (Seminar)	-	-	-	-	0.05	-	-	0.05
2.	Geology (Field work)	-	-	-	-	0.08	-	-	0.08
3.	Teachers quarters	2.50	3.00	-	5.50	-	-	-	-
4.	Class IV Quarters	1.75	2.00	-	3.75	-	-	-	-
5.	Science Block	1.35	-	-	1.35	-	-	-	-
6.	Vice-Chancellor's Lodge	-	0.61	-	0.61	-	-	-	-
7.	Improvement and renovation of existing hostels	1.00	-	-	1.00	-	-	-	-
8.	Extension Lib. building including Museum building	2.00	1.75	-	3.75	-	-	-	-
Total		8.60	7.36	-	15.96	0.13	-	-	0.13

ANNEXURE-II

JADAVPUR UNIVERSITY

Staff recommended during the Vth Plan period

S.No.	Department	I				II				III			
		P	R	L	O	P	R	L	O	P	R	L	O
1.	English	1	1			-	-	-	-	-	-	-	-
2.	Comparative Literature	-	-	2	-	-	-	-	-	-	-	-	-
3.	Bengali	-	1	-	-	-	-	-	-	-	-	-	-
4.	Sanskrit	-	-	1	-	-	-	-	-	-	-	-	-
5.	Economics	1	2	-	-	-	-	-	-	-	-	-	-
6.	International Relation	-	-	1	-	-	-	-	-	-	-	-	-
7.	Philosophy	-	2	-	-	-	-	-	-	-	-	-	-
8.	Library Science	-	-	1	-	-	-	-	-	-	-	-	-
9.	Geology	1	1	1	-	1	1	-	2	-	1	-	-
10.	Chemistry	-	-	-	4	-	-	-	-	-	-	-	-
11.	Physics	-	1	1	-	-	-	-	-	-	-	-	-
12.	Mathematics	-	2	-	-	-	1	-	-	-	-	-	-
13.	Central Laboratory	-	-	-	-	-	-	-	2	-	-	-	-
14.	Development Officer	-	-	-	1	-	-	-	-	-	-	-	-
		3	10	7	5	1	2	-	4	-	1	-	-

P - Professors

R - Readers

L - Lecturers

O - Others

15 Junior Fellowships of the value of Rs.400/- p.m. to be operated in accordance with the University Grants Commission guidelines.

(15)

9. Dr. V.L.S. Bhinastankam Member
Department of Geology
Osmania University
Hyderabad.
10. Dr. P. Dayal "
Vice-Chancellor,
Magadh University,
Bodh Gaya
11. Professor R.P. Roy. "
Department of Botany
Patna University
Patna.
12. Dr. A.S. Kapoor "
Department of Zoology
Rajasthan University
Jaipur
13. Dr. C.V. Ramakrishnan "
Department of Biochemistry
M.S. University of Baroda
Baroda.
14. Dr. L.P. Vidyarathi "
Department of Anthropology
Ranchi University
Ranchi
15. Dr. R. Rath "
Department of Psychology
Utkal University,
Vani-Vihar, Bhubneswar.
16. Dr. S.K. Manchanda "
Department of Psychology
All India Institute of
Medical Sciences
New Delhi.
17. Dr. Ashwani Kumar "
Department of Pharmacology
Patel Chest Institute,
Delhi University
Delhi.
18. Dr. T.N. Hajela Secretary
Deputy Secretary
University Grants Commission
New Delhi.

15

The Committee visited the Calcutta University from 18th to 20th September, 1975. The Report of the Committee is attached (Appendix).

A summary of the observations and recommendations made by the Committee is given below:

1. The Committee considered the Ghani Committee's suggestion for declaring Calcutta University as an institution of national importance by the Central Government. Taking all factors into account, the Committee felt that the University has yet to develop an all India and a national character before the question of declaring it an institution of national importance is considered by the Central Government. The University should have an open door policy in the matter of recruitment of its teaching staff and admission to various courses and attract talented teachers and students from all parts of the country.
2. It would seem, however, that all that the University authorities intend by the request for recognition as an institution of national importance is that the special problems and difficulties of Calcutta University be recognized and more funds (even for maintenance purposes) be made available by the U.G.C. This certainly merits sympathetic consideration. Certain proposals of the Ghani Committee which involve decentralization could be speedily implemented but administrative and academic decentralisation should go together.
3. The University should consider the implementation of such recommendations of the Ghani Committee as do not require heavy investment of resources e.g. establishment of an Academic and Planning Board, the introduction of correspondence courses or giving autonomy to colleges. No steps had been taken by the University to formulate a programme or initiate measures for introducing correspondence courses. The Committee hopes that the University will not allow itself to be oppressed by the psychology of poverty.
4. The University should consider the setting up of academic centres for improvement of standards of undergraduate education. If funds are available in the State for this, the centre could also assist substantially.
5. There has been an unrestricted expansion of departments and colleges during the past two decades. Judicious use should be made of the resources available to the University during the current plan period. In view of the limitations of space and funds, the university should concentrate its resources and energies during the V plan period on consolidation of existing departments and courses.
6. There has been too much of fragmentation of departments in the same discipline e.g. History has at present four departments. There was very little evidence of collaboration amongst the departments which belong to the same discipline or allied disciplines e.g. Pure and Applied Psychology departments located on the same floor do not seem to be even on talking terms with each other. The University

(11)

should give serious thought to this problem and devise ways and means to bring such departments closer together.

7. Teaching at honours level and at postgraduate level is done in the university departments in physiology, psychology and anthropology. Such an arrangement not only increases the teaching load but also hampers the research work of the teachers and lowers the level of research in the department. It would be useful if undergraduate and postgraduate teaching are separated from each other and undergraduate classes are shifted to the affiliated colleges in the above subjects.

8. Postgraduate teaching is at present confined to university departments. With a view to reducing the pressure on the University Departments, the Committee favours the possibility of allowing two or three selected colleges in Calcutta which have facilities for postgraduate studies to start teaching a few selected subjects at postgraduate level. The Committee visited Presidency college, Calcutta and was of the view that this college had sufficient facilities and faculty strength in certain departments and should, therefore, be considered for this purpose. The University faculty should, however, be associated with the selection committees for all colleges authorised to undertake postgraduate teaching.

9. The Institute of Basic Medical Sciences, Calcutta University has in its neighbourhood a well-run and well staffed hospital viz P.G. Institute of Medical Education and Research which has its own departments of Basic Medical Sciences and is administered by the Health Department of the State Government. There is, however, no working arrangement between these two Institutes and the members of the staff of the Institute of Basic Medical Sciences have no access to any hospital facilities, without which the departments in the Institute cannot work efficiently. The Committee recommends that immediate steps be taken to merge the two Institutes and this matter should be taken up at the highest level on top priority basis. If this is not possible, the university may consider the possibility of handing over the Institute of Basic Medical Sciences to the State Government. The only alternative to this recommendation would be the establishment of a separate hospital for the Institute of Basic Medical Sciences of the same standard as the Institute of Medical Education and Research and since this is a very expensive proposition, the Committee does not recommend it.

10. The Committee also noted that no audit report on the accounts of the Calcutta University had been placed before the university syndicate during the past 12 years. The Committee is, therefore, of the view that the university and the State Government must consider urgently, ways of providing audit of accounts within a reasonable period of time. Financial discipline is the first priority of any eminent academic institution like Calcutta University. The State Government should consider the possibility of creating a senior position of Finance Officer who should be responsible for all financial matters and getting the accounts of the university audited in time.

11. The Committee observed that the buildings of the University were not being maintained properly and, therefore, suggested that the University authorities may take urgent measures to improve the maintenance of the buildings.

12. Hostels maintained by the University are at present intended only for M.A./M.Sc. students. Research scholars find great hardship in finding accommodation in the city. The university should consider the setting up of a separate hostel for research scholars. Even the hostel for postgraduate students does not have basic facilities and are not properly maintained. Facilities in the present hostels should be improved.

13. The Committee got the information that the university incurred a substantial loss every year (of the order of Rs.4 Lakhs) because it was difficult to recover lodging/boarding dues from hostaliers. If true, this is a serious matter that needs to be looked into.

14. All appointments to the teaching posts are made by the University without holding any interview. The Committee felt that the appointments not only of lecturers but also of readers should be made after interview by the Selection Committee. Only in case of posts of Professors, the procedure for interview need not be followed in all cases, but even here, interviews would be healthy and helpful.

15. It also came to the notice of the Committee that in a few cases, the syndicate of the university did not accept the unanimous recommendations made by the selection Committee and appointed persons who had not been recommended by the Selection Committee. The Syndicate has also on several occasions, referred back the recommendation of a selection Committee for reconsideration. This procedure needs to be reviewed by the university/State Government.

16. The Committee was sorry to know that nearly 13% of the teaching posts were lying vacant which had an adverse effect on teaching and research in the concerned departments. The university should take immediate steps to fill the vacant posts.

17. The university staff has a large number of part-time teachers drawn from the local colleges. While this gives the selected teachers an opportunity to participate in postgraduate teaching, the flow is in one direction. The university may also consider the possibility of deputing some of its teachers to the colleges in order to improve the standards of collegiate education.

18. In a number of departments especially in the Faculty of Humanities and Social Sciences, teachers retired from Government Service in the college have been appointed as Lecturers in the postgraduate Departments. The Committee feels that this is not a desirable practice and as far as possible, this should be avoided.

(19)

19. The Committee is of the view that the university will have to exercise caution in the matter of admission to postgraduate course, specially in the Arts subjects. This will not only strengthen the standards of postgraduate teaching and research in the University but will also bring about a more equitable distribution of the postgraduate student population between the Calcutta and the Jadavpur Universities.

20. The Committee noted with concern that the faculty members in most of the departments (sometimes even professors) were not associated with the formulation of the development plans of the department. There was in fact very little dialogue within the department among the faculty members in most of the departments. One way to rectify this would be to hold regular meetings of the faculty to advise the Head of the department in all matters pertaining to the department. Another suggestion worth consideration is the rotation of headship among the professors at least after two or three years.

21. The Committee noted a communication gap between students and teachers. Appropriate steps including formation of student teacher committees in departments may be taken to bridge this gap.

22. While a few departments have revised their syllabi and have incorporated in them the latest trends in the subject, many departments have not given any serious thought to it. There is a need for a continuous review of the syllabi in each subject. The Committee was surprised to find that even a Professor in one of the departments complained that the syllabus had not undergone much change for the last 25 years inspite of rapid developments in the subject.

23. In addition to the departmental libraries which may have basic books and multiple copies of textbooks, it will be desirable to establish a Central Library in each campus where reference books, textbooks, general books and research journals could be kept. This would avoid purchase of multiple copies of same journals in different departments.

24. The Committee feels that whereas there is a need of each department to have some basic equipment for its own use, the costly and sophisticated equipment should not be the monopoly of any particular department. The university should prepare a list of such items of equipment available with it or even at the neighbouring laboratories for the information of its various faculties and may also establish a 'Users Committee' to ensure smooth functioning of the Central Instrumentation facility and proper maintenance of equipment. The University should also establish a central service for servicing the instruments and ensure that the instruments do not remain idle for want of maintenance.

25. There is a need for continuous appraisal of the progress made by the University with regard to the suggestions and recommendations made by the Visiting Committee and approved by the University Grants Commission. The University is advised to set up an Academic and Planning Board for this purpose which should have on it, University teachers. The University Grants Commission should seriously consider the establishment of a regional office in Calcutta to cater to the needs of this region.

26. The Committee has recommended establishment of a separate department of Sociology on first priority basis. This department is at present functioning as a part of the department of political science. The Committee has also recommended introduction of a postgraduate course in Food and Nutrition at Vihari Lal College of Home Science, Calcutta. The Committee has not recommended any assistance for Life Science Centre and has suggested that collaborative teaching and research programmes among the departments concerned may be undertaken so that a more meaningful proposal for the development of a Life Science Centre may develop in due course. The Committee has also not recommended starting of a department of Oceanography and Meteorology, since it did not find any interest in the proposal during its discussions with the faculty members in the existing relevant departments.

27. The committee has recommended a grant of Rs.17.60 lakhs for books and Rs.27.20 lakhs for equipment under first priority and Rs.5.80 lakhs for books and Rs.9.00 lakhs for equipment under second priority for the existing teaching departments, and a grant of Rs.32.50 lakhs under first priority and Rs.25.00 lakhs under second priority for construction of staff quarters and extension of Humanities and Science buildings. Assistance for students hostel has been recommended under second priority. The committee has also recommended a grant of Rs.4.50 lakhs under first priority and Rs.6.00 lakhs under second priority for faculty improvement, visiting faculty, Seminars and Workshops, use of out-station research facilities and publication of research work. In addition, posts of six professors, eighteen Readers, and Nine Lecturers, and ten technical Assistants and others under first priority and four professors, eighteen Readers, eighteen lecturers and thirteen Technical Assistants under second priority have been recommended for the existing departments.

28. The Committee has recommended that the Institute of Basic Medical Sciences be either merged with the P.G. Institute of Medical Education & Research or the Institute be handed over to the State Government. The Committee, however, examined the needs of the various departments functioning in the Institute of Basic Medical Sciences and has recommended a total grant of Rs.23.35 lakhs for the Institute as per details given below:

	Ist Priority	2nd Priority	3rd Priority	Total
Books	2.00	1.00	-	3.00
Equipment	7.00	4.00	2.50	13.50
Staff	2.25	2.36	1.95	6.55
Miscellaneous	-	0.30	-	0.30
	<u>11.25</u>	<u>7.65</u>	<u>4.45</u>	<u>23.35</u>

29. The financial implications of the recommendations made by the Visiting Committee under Ist, IIInd and 3rd priorities are given below:

(21)

(The figures are in lakhs of rupees and represent UGC share) The ceiling of assistance for Calcutta University is Rs. 300 lakhs.

S.No.	Item	First Priority	Second Priority	Third Priority	Total
1.	Spill-over	22.09	-	-	22.09
2.	Scheme approved in Fifth Plan before Committee's visit.	3.25	-	-	3.25
3. *	Books & Journals	35.60	16.80	10.00	62.40
4. *	Equipment	39.70	29.05	12.50	81.25
5.	Building & Furniture	32.60	29.00	-	61.60
6.	Other Schemes	9.70	6.30	5.00	21.00
7.	Research Fellowships	10.00	-	-	10.00
8.	Staff	24.00	25.40	2.95	52.35
		<u>176.94</u>	<u>106.55</u>	<u>30.45</u>	<u>313.94</u>

* The amount for books and equipment includes basic grants of Rs.7.00 lakh for books and Rs.10.50 lakhs for equipment already approved during the V plan period.

The matter is placed before the Commission for consideration.

AS(D-3a)/DS(D-3)

UNIVERSITY GRANTS COMMISSION

Appendix to Item No. 7

Report of the Visiting Committee appointed by the University Grants Commission to assess the development requirements of the Calcutta University for the Fifth Five Year Plan.

The University Grants Commission appointed a Committee consisting of the following to assess the development requirements of the Calcutta University for the Fifth Five Year Plan period.

- | | | |
|----|---|----------|
| 1 | Professor S Gopal
Chairman
National Book Trust of India &
Member, UGC | Convener |
| 2 | Professor BM Udgaonkar
Tata Institute of Fundamental Research, Bombay
& Member, UGC | Member |
| 3 | Professor HC Gaur
Department of Chemistry
Delhi University, Delhi | " |
| 4 | Dr. RS Mishra
Department of Mathematics
Banaras Hindu University
Varanasi | " |
| 5 | Dr. RK Dasgupta
Department of Modern Indian Languages
Delhi University, Delhi | " |
| 6 | Dr. AD Pant
Department of Political Science
Allahabad University, Allahabad | " |
| 7 | Dr. RS Nigam
Department of Commerce
Delhi University, Delhi | " |
| 8 | Dr. (Miss) RR Verma
Department of Philosophy
Lucknow University, Lucknow | " |
| 9 | Dr. VLS Bhimasankaram
Department of Geology
Osmania University, Hyderabad | " |
| 10 | Dr. P. Dayal
Vice-Chancellor
Magadh University, Bodh Gaya | " |
| 11 | Professor RP Roy
Department of Botany
Patna University, Patna | " |

- 12 DR AS Kapoor
Department of Zoology
Rajasthan University, Jaipur
- 13 Dr. CV Ramakrishna
Department of Biochemistry
M.S. University of Baroda, Baroda "
- 14 Dr. LP Vidyarthi
Department of Anthropology
Ranchi University, Ranchi "
- 15 Dr. R Rath
Department of Psychology
Utkal University
Vani Vihar, Bhubaneswar "
- 16 Dr. SK Manchanda
Department of Physiology
All India Institute of Medical Sciences
New Delhi "
- 17 Dr. Ashwani Kumar
Department of Pharmacology
Patel Chest Institute
Delhi University, Delhi "
- 18 Dr. TN Hajela
Deputy Secretary
University Grants Commission
New Delhi Secretary

2. The Committee visited the University from 18th to 20th September, 1975. It had preliminary discussions with the Vice-Chancellor, Deans of Faculties and Officers of the University on 18th September 1975. The next day the members of the Committee visited the University Library, departmental buildings, students and teachers hostels, the health centre, the study centre, the library, the university printing press and met students' and teachers' representatives. The Committee broke up into two groups for the Humanities and Social Sciences and for the Sciences respectively. These groups visited the university departments and discussed the Fifth Plan proposals of the individual departments with the persons concerned.

3. Basic Facts and Figures :

3.1 Establishment of the University :

The Calcutta university was established in 1857 as an examining university. It was in 1914 that the university had set up postgraduate teaching departments in the Humanities, the Social Sciences and the Sciences. It is now a teaching and affiliating university with its jurisdiction extending over the States of West Bengal (excluding the territorial areas of Burdwan, Jadavpur, Kalyani, North Bengal and Visva-Bharati University) and Tripura.

3.2 In 1973-74, the university had the following faculties; Arts, Science, Agriculture, Commerce, Education, Engineering, Fine Arts and Music, Journalism, Law, Medicine, Technology and Veterinary Science. There are seven university colleges, namely College of Arts, College of Commerce, College of Law, College of Agriculture, College of Technology, College of Science and College of Medicine. Sixtyone departments are functioning in the above colleges.

3.3 During 1973-74, there were 213 colleges, viz., Arts and Science - 158, Commerce - 16, Medical - 10, Ayurved - 1, Teachers' Training - 12, Law - 4, Textile - 2, Veterinary - 1, Training - 1, Home & Social Science - 1, Business Organization - 1, Ceramic - 1, Horticulture - 1, Engineering - 2, Music -1, Physical Education - 1, The number of institutions recognised for postgraduate degree/diploma course were 9.

3.4 The university provides residential accommodation mostly to postgraduate students. There are no staff quarters. The university has one rowing club and only one playground.

3.5 The new library building of the university has an area of 39,600 sq.ft. for stack rooms and 13,400 sq.ft. for reading rooms. The University proposes to improve its library services by providing free and open access to the shelves of the library except to the rare collection and other reserved areas. It is also planned to provide documentation service on a modest scale.

3.6 It goes without saying that Calcutta University has a long tradition of quality research in most departments. The members of the university faculties have published research papers in both Indian and foreign journals. They also participated in a number of international conferences during the Fourth Plan period and some of them presided over all India Conferences and Seminars. A number of research projects assigned to the university by the University Grants Commission, the Research Programme Committee of the Planning Commission, CSIR etc. have been completed.

3.7 Examination results: A study of the examination results of the University during the last five years shows that the pass percentage has been better than the all India average at the B.Sc. examination but not as good in B.A. and B.Com examinations. In the M.A., M.Sc., and M.Com examinations, the pass percentage is below the all India average. The examination results of the University during the years 1968-1972 are given at Annexure I.

3.8 Income & Expenditure : The university has been running in deficit. The deficit under general fund (non-plan) has gone up from Rs.36.14 lakhs at the end of 1970-71 to Rs.93.60 lakhs at the end of 1973-74. The statement of consolidated position of all funds during 1975-76 (Annexure II) indicates an income of Rs.453 lakhs and expenditure of Rs.579 lakhs resulting in an estimated deficit of Rs.126 lakhs.

3.9 Admission qualifications: According to the regulations of the university, the minimum qualification for admission to the postgraduate courses is a Bachelor's degree (pass or honours), but in actual practice due to limited availability of seats admissions are made according to merit.

3.10 Progress of the Fourth Plan schemes: During the Fourth Plan the UGC assisted the university towards the appointment of academic and technical staff, purchase of books and journals and laboratory equipment and construction of academic and residential buildings. The university during the last Plan period concentrated on strengthening its existing postgraduate departments by extending laboratory, library, research and teaching facilities and by appointing additional staff.

The Central Library was strengthened, additional amenities to students and teachers were provided and most of the construction projects which were undertaken during the Third Plan and the new projects sanctioned during the Fourth Plan were completed.

During the Fourth Plan, the Commission sanctioned 12 posts of professors, 14 posts of Readers and 29 posts of Lecturers. The university could not fill 3 posts of Professors and 3 posts of Lecturers. In all fifty posts of teachers (16 of Professors, 11 of Readers and 23 of Lecturers) were lying vacant on 15.9.75 in 41 departments. The total number of approved posts for these departments was 395 (55 professors, 103 readers and 237 lecturers) and of these only 345 were occupied in September 1975. Department-wise details in this regard are given in Annexure III.

For the proposals accepted by the Commission, the total provision was about 169.17 lakhs of which the Commission's share was Rs.131.41 lakhs and the grants released upto the end of Fourth Plan period amounted to Rs.102.43 lakhs. The actual spill-over to be carried to the Fifth Plan is Rs.22.09 lakhs which would be the first charge on the Fifth Plan allocations of Rs.3.00 crores. A statement giving the details of the scheme approved, grants released upto 31.3.1974 and the spill-over to be carried to the Fifth Plan is attached at Annexure IV.

3.11 Fifth Plan proposals: The university has submitted proposals involving an outlay of Rs.391.34 lakhs. Of this Rs.308.86 lakhs is in the first priority and Rs.82.48 lakhs in the second priority. These proposals also include the expenditure on the Institute of Basic Medical Sciences and on the Sports complex. These proposals generally relate to the strengthening of Science and Humanities Departments and Institute of Basic Medical Sciences. The university has also proposed to start Professor SN Bose Institute of Physical Sciences. There is also a proposal for the construction of teachers quarters at C.I.T. Plot at Maniktala at an estimated cost of Rs.30.00 lakhs.

4. Meeting with the Vice-Chancellor and Deans :

4.1 The Vice-Chancellor and Deans of Faculties, Calcutta University, in the course of their discussions with the Visiting Committee inter-alia emphasised the following points.

4.2 The Committee for the reorganisation and development of the University of Calcutta, appointed by the University Grants Commission under the Chairmanship of Professor MM Ghani, former Vice-Chancellor, Calicut University had recommended development proposals of the University involving an outlay of Rs. 10 crores. The University was under the impression that it would be provided assistance by the Commission to that extent during the Fifth Plan period. However, subsequently, the UGC desired that the proposals may be brought down to a level of Rs.3.00 crores. Consequently, the University had to prune its proposals to bring them within the allocation of Rs.3.00 crores tentatively suggested by the Commission. Obviously, a number of requirements of the departments had to be abandoned and now whatever remained was the barest minimum.

4.3 In accordance with the guidelines indicated by the Commission, the university had allocated 25% of the total provision for buildings. The teaching departments were crammed up for space. With a view to reducing this congestion, it was necessary to have more space. The History departments should be provided accommodation in such a way that all the three History departments are contiguous to each other. The departments of Physiology and Psychology also needed adequate space. The department of Archaeology required more accommodation. The proposal of the University, therefore, was to put up an eight storeyed building in the compound of the Education Department and shift Psychology, Physiology, Agriculture and other departments to this building.

4.4 The university has included in its proposals amounts for the development of almost all the existing departments. During the course of years, the intake of these departments has increased considerably, and the number of teachers has gone up. In almost all the departments, the courses have been modernised, new subjects have been introduced and more groups of special papers are proposed to be added. Consequently, additional teachers, library books and journals, buildings and furniture and equipment are required.

4.5 The university proposes to establish the department of Metereology and develop Life Science Centre. The necessary infrastructure in the form of expertise, and physical facilities is already available in the university for the establishment of the department of Metereology. Regarding the Life Science Centre, the Vice-Chancellor stated that the subject has been introduced in the new pattern of higher secondary education, at both the High School and Intermediate levels. A centre for the teaching and research in Life Sciences to train teachers in this branch of discipline was therefore desirable.

4.6 The university had decided in 1958 to set up a department of Sociology and had also created a chair for the purpose. But owing to a number of factors beyond the control of the university, the department could not be set up. Now the university wants to pursue the matter seriously and set up a department in Sociology.

4.7 The strength of the university has been increasing year by year and it has not been possible to provide adequate amenities to the students. Whatever amenities have been provided to the students within the limited resources available with the university are very meagre. The university wants to build an indoor stadium by the side of the Rowing Club.

Meeting with Teachers

5.1 The Committee met a representative group of teachers whose main points were : (i) the teachers be provided with residential accommodation; (ii) the personal promotion scheme be revived; (iii) with the present teacher-pupil ratio being high, the tutorials cannot be arranged and, therefore, additional staff be provided to each department; (iv) additional grant may be given to each department for promoting research and (v) the Institute of Basic Medical Sciences should be attached to some hospital.

Meeting with Students

5.2 The Committee met a representative group of students who pointed out that there was a great shortage of latest books and journals. The students of Economics said that courses were not practice oriented. They lack actual project work in industry and other organisations. The students complained of the shortage of staff and backlog in examinations. They desired that the system of examinations should be decentralised and each department should be given the freedom to conduct its own examinations. The students of Psychology stated that the research scope in their department was very limited. Due to bifurcation of the Psychology department into Pure and Applied, the standard of teaching had also suffered. The students of Physiology department wanted a central library on the Campus, a common room as well as hostel accommodation. They too desired that departments of Basic Medical Sciences should be attached to a hospital. The students of Museology complained that there was no full-time Lecturer in their department and they did not have any gas or water supply. The Library was also ill-equipped and no junior research fellowship was available to the department from any source. The students of the Business Studies

(Commerce Department) pointed out that the teacher pupil ratio in their department was the lowest. The syllabus was outdated and the library services are inefficient and inadequate. The hostels are very dirty and akin to barracks. The students desired that separate buildings may be provided for each department.

The students of Law stated that in their department all the lecturers were part-time. Their courses were not practice oriented and even after obtaining the Law degree they do not have any idea of court work, drafting the plaints, etc. The teachers after a whole day's labour at the courts hardly take any active interest in teaching. The students also are equally non-serious. Consequently legal education in the university is a misnomer. The students of Mathematics complained that original thinking was not encouraged in their subject. The History students wanted that more accommodation be made available for housing the seminar library which is at present located in a Professor's room. Moreover, multiple copies of text-books were not available. The Archaeology students wanted fellowships and provision for a laboratory and a library. The Political Science students pointed out that although their syllabus has been modernised, the latest books required for it were not available for lack of sufficient funds for purchase of foreign books. Students of Comparative Philology complained that their courses are history oriented, but very little of the history of linguistics is taught. The students of Physiology stated that they have no grounding in Anatomy, and there is no project work.

6. General Observations :

6.1 The Fourth Plan Visiting Committee had observed that the buildings of the university were not being maintained properly. This was discussed at a meeting with the heads of departments and the committee was given to understand that the upkeep of buildings had actually deteriorated during the past five years. This was confirmed by what the members of the committee saw during their visits to the university departments. The committee, would, therefore, suggest that the university authorities may take urgent measures to improve the maintenance of the buildings.

6.2(a) The science departments are located in two buildings which are quite distant from each other. Pure Chemistry, Pure Physics, Applied Mathematics, Physiology, Applied Psychology and Pure Psychology departments are located at 92 Acharya Profull Chandra Road, whereas Anthropology, Botany, Zoology, Geology, Statistics, Geography, Pure Mathematics and Biochemistry departments are located in another building at 35, Ballyganj Circular Road. The Institute of Basic Medical Sciences has got its own building. The university could consider for the development on these lines and build up a multi campus university.

6.2(b) Inadequate space is a major problem for most of the science departments. The existing space could however be used much more effectively by rationalizing the procedure for allocation of rooms to various departments in the same building. This is specially in the building at A.P.C. Road. The space provided to each department in this building is not contiguous. Rooms on the top floor recently added to the building have been allocated to the departments located on other floors. Had floor been allocated to each department, movement of students and teachers from one floor to another could have been avoided. The university should consider reallocation of the rooms among the various departments on this basis.

6.3 The university is faced with the problem of numbers owing to the unrestrictive expansion of departments and colleges during the past one or two decades. Further expansion is likely to create serious complications and would not be advisable.

A judicious use will have to be made of the resources available to the university during the current Plan period. In view of the limitation of space and funds, it would be appropriate if the university concentrates its resources and energies during the Fifth Plan period on consolidation of existing departments and courses.

6.4 The Committee is of the view that the university will have to exercise caution in the matter of admissions to postgraduate courses, specially in the Arts subjects. This will not only strengthen the standards of postgraduate teaching and research in the university but will also bring about a more equitable distribution of the postgraduate student population between the Calcutta and Jadavpur universities.

6.5 The university staff has a large number of part-time teachers drawn from the local colleges. While this gives the selected teachers an opportunity to participate in postgraduate teaching, the flow is in one direction. The university may also consider the possibility of deputing some of its teachers to the colleges in order to improve the standards of collegiate education.

6.6 The Committee observed that in a number of departments especially in the Faculty of Humanities and Social Sciences, teachers retired from Government service in the colleges have been appointed as Lecturers in the postgraduate departments. The Committee feels that this is not a desirable practice and as far as possible this should be avoided.

6.7 The Committee observed that in several cases the Head of the Department in almost all subjects did not have any idea of the number of candidates registered for Ph.D. in the subject concerned. The Committee was informed that the supervisor forwards the application of the candidate for registration to Ph.D. direct to the Registrar of the university who puts it up before the Ph.D. Committee. After the topic has been accepted, the candidate starts work. The head of the department concerned only comes to know about the admission at the time of the viva-voce examination. The record of all the candidates registered for doctoral research is maintained by the Ph.D. section, but such a record is not available in the department itself. Consequently, the head of the department is not in a position to indicate the exact number of candidates engaged in doctoral research in his department at a particular stage or time. Such a situation obviously requires to be set right,

6.8 The Committee found that the various Social Science departments of the university, and for that matter of any university in the State of West Bengal, have not developed any effective links with the Centre for Social Sciences, Calcutta and have not taken advantage of the facilities provided by this Centre. The Committee discussed this with the Director of the Centre for Social Sciences. There is need for a more effective machinery of collaboration between the Centre and the Social Sciences departments of the universities in the State.

6.9 An effective and flexible semester system may be introduced. M.Sc. degree, for example, may be given after a student has completed a certain number of credit courses. An upper limit but not a lower one may be specified for the number of credits a student may take in any semester. Each student would be expected to cover the core curriculum formulated by the department and take a requisite number of additional courses including those in allied fields. For this purpose different subjects can be grouped together into broad categories such as physical sciences,

biological sciences etc. As far as courses in biological sciences are concerned it is felt that all students should take the following compulsory courses :

- (a) Instrumentation technique
- (b) The design of experiments and statistics and analysis of data
- (c) Animal experimentation.

Once the semester system of teaching with Interdepartmental cooperation is established, it would enable the departments to give a 4 year evening course in M.Sc. to students and those employed in schools, colleges, industries and hospitals.

6.10 The university should consider the implementation of such recommendations of the Ghani Committee as do not require heavy investment of resources e.g. establishment of an Academic and Planning Board and the introduction of correspondence courses or giving autonomy to colleges. The Committee did not notice much coordination in the plan proposals or otherwise and it was sorry to note that no steps had been taken by the university to formulate a programme or initiate measures for introducing correspondence courses at the first degree. The Committee hopes that the university will not allow itself to be oppressed by the psychology of poverty.

6.11 No audit report on the accounts of the Calcutta University has been placed before the University Syndicate during the past 12 years. This is to say the least very unusual. The university and State Government must consider urgently ways of providing audit of accounts within a reasonable period of time. Financial discipline is the first priority of any eminent academic institution like Calcutta University. The possibility of creating a senior position of Finance Officer who would be responsible for all financial matters and getting the accounts of the University audited in time may be considered by the State Government.

6.12 The Ghani Committee's suggestion for declaring Calcutta University as an institution of national importance by the Central Government was considered. The Vice-Chancellor in his meeting with the Committee also stressed the need for such a declaration since the University was facing acute financial hardships. The Committee, after taking all factors into account felt that the University has yet to develop an all India and a national character before the question of declaring it an institution of national importance is considered by the Central Government. The university should have an open door policy in the matter of recruitment of its teaching staff and admission to various courses and should attract talented teachers and students from all parts of the country.

6.13 It would seem, however, that all that the university authorities intend by the request for recognition as an institution of national importance is that the special problems and difficulties of Calcutta University be recognised and more funds (even for maintenance purposes) be made available by the UGC. This certainly merits sympathetic consideration. Certain proposals of the Ghani Committee which involve decentralization could be speedily implemented but administrative and academic decentralization should go together.

The university should also consider the setting up of academic centres for improvement of standards of undergraduate education. If funds are available in the State for this, the centre could also assist substantially.

6.14 Postgraduate teaching is at present confined to university departments. With a view to reducing the pressure on the university departments, the Visiting Committee favours the possibility of allowing in the first instance two or three selected colleges in Calcutta, which have facilities for postgraduate studies, to start teaching a few selected subjects at postgraduate level. In doing so, the norms for P.G. colleges recently formulated by the UGC will have to be observed. The Committee visited Presidency College, Calcutta and felt that this college had sufficient facilities and faculty strength in certain departments and could therefore be considered for the purpose. The university faculty should be associated with the selection committees for all colleges authorised to undertake postgraduate teaching.

6.15 The Committee is of the view that there has been too much of fragmentation of departments in the same discipline e.g., History has at present four departments. There was very little evidence of collaboration amongst the departments which belong to the same discipline or allied disciplines. e.g., Pure and Applied Psychology departments located on the same floor do not seem to be even in talking terms with each other. Courses formulated by each department could be taken up jointly. The university should give serious thought to this problem and devise ways and means to bring the departments closer together. The four departments of History should be brought together as "Department of Historical Studies". The departments of Sociology, Social Anthropology, Cultural Anthropology and Physical Anthropology could also be brought together.

6.16 The Committee noted that all appointments to the teaching posts are made by the university without holding any interview. The matter was discussed with the Vice-Chancellor who said that there were some practical difficulties in this matter. He informed the Committee that the university was thinking of interviewing candidates for the posts of lecturers. The Committee felt that the appointments not only of lecturers but also of readers should be made after the interview by the Selection Committee. Only in case of posts of professors, the procedure for interview need not be followed in all cases; but even here interviews would be healthy and helpful. The Committee noticed a considerable amount of inbreeding in many departments. This may be cautiously avoided and efforts made to get staff on an all India basis.

6.17 It also came to the notice of the Committee that in a few cases the syndicate of the university did not accept the unanimous recommendations made by the Selection Committees and appointed persons who had not been recommended by the Selection Committees. The syndicate has also on several occasions, referred back the recommendation of a Selection Committee for reconsideration. This procedure needs to be reviewed by the university/State Government.

6.18 The Committee was sorry to note that nearly 13% of the teaching posts were lying vacant. This has an adverse effect on teaching and research in the concerned departments. Most of the vacant posts are at Professor's level. 16 out of 55 posts of Professors, 11 out of 103 Readerships and 23 out of 237 posts of Lecturers are lying vacant. Several departments are functioning without a Professor. The university should take immediate steps to fill the vacant posts.

6.19 The Committee noted with concern that the faculty members in most of the departments (sometimes even professors) were not associated with the formulation of the development plans of the department. There was in fact very little dialogue within the department among the faculty members in most of the departments. One way to rectify this would be to hold regular meeting of the faculty to advise the Head of the department in all matters pertaining to the department. Another suggestion worth consideration is rotation of headship among the Professors

at least after two or three years.

6.20 There is undoubtedly a need for each department to have basic equipment for sole use by its students and teachers, but costly and sophisticated equipment should not be the sole monopoly of a particular department. Even if such equipment is located in a particular department, it should be available for use by other departments and consider as a part of central instrument facility for the whole university. The Committee did not find much evidence of any concerted effort or collaboration among the various departments in this direction. It also found several items of costly equipment lying idle for want of maintenance and repair. The equipment grants may just be used for putting such equipment into use and an appropriate fraction of it set apart for maintenance of the equipment during the rest of the Plan period. It is also suggested that the costly equipment especially sophisticated imported instruments should be put to the optimum use. The university may prepare a list of such items of equipment available with the university (or other neighbouring laboratories) for the information of its faculty. These should be part of a central instrumentation facility. Users' committee(s) may be established to ensure smooth functioning of the central instruments facility and proper maintenance of the equipment. All new major instruments must be part of the C.I.F. The university may consider keeping all the new items of equipment which costs more than a lakh of rupees, at a central place for use by all the departments and establish a central service for servicing the instruments and ensure that instruments do not lie idle for want of maintenance.

6.21 While a few departments have revised their syllabi and have incorporated in them the latest trends in the subject, many departments have not given any serious thought to it. There is a need for a continuous review of the syllabi in each subject. The Committee was surprised to find that even a Professor in one of the departments complained that the syllabus had not undergone much change for 25 years inspite of rapid developments in the subject.

6.22(a) Hostels maintained by the university are at present intended only for M.A./M.Sc. students. Research scholars find great hardship in finding accommodation in the city. The university should consider the setting up of a separate hostel for research scholars.

6.22(b) Even the hostel for postgraduate students does not have basic facilities and the students living in the hostel pointed out that the hostels are not properly maintained. The hostels lacked adequate toilet and sanitation facilities. Facilities in the present hostels should be improved.

6.22(c) The Committee got the information that the university incurred a substantial loss every year (of the order of Rs.4 lakhs) because it was difficult to recover lodging/boarding dues from hosteliars. If true, this is a serious matter that needs to be looked into.

6.23 The university teachers also face hardship in the matter of accommodation. In a metropolitan city like Calcutta, accommodation is a serious problem specially for those who come from outside the city. The lack of quarters or teacher hostels is probably one major reason why the university does not attract talent from outside Calcutta. There is a need for teachers hostel and teacher's quarters for all categories of teachers.

6.24 During the Committee's visit to various departments, it was found that each department maintains its own library which in most cases was not functioning effectively due to lack of sufficient staff and space. The committee feels that

in addition to the departmental libraries which may have basic books and multiple copies of text-books, it would be desirable to establish a central library in each campus where reference books, text-books, general books and research journals which are of interest to more than one department are kept. This would avoid the purchase of multiple copies of the same journals in different departments. The campus libraries and the central library should also be kept open for longer hours than at present. It would be desirable to include a student's representative in the library committee for each campus.

6.25 Some of the departments laid much stress on providing scholarships and fellowships exclusively to their departments to enable them to enrol students for research while other departments were quite satisfied with the number of fellowships obtained by the students. The Committee feels that it is not necessary to allocate fellowships separately for each department.

6.26 The Institute of Basic Medical Sciences, Calcutta university, has in its neighbourhood a well-run and well-staffed hospital viz., Institute of Medical Education and Research which has its own departments of Basic Medical Sciences and is administered by the Health Department of the State Government. However, unfortunately, there is no working arrangement between these two Institutes, and the members of the staff of the Institute of Basic Medical Sciences have no access to any hospital facilities, without which the departments in the Institute cannot work efficiently. The Committee recommends that immediate steps be taken to merge the two Institutes and this matter should be taken up at the highest level on top priority basis. If this is not possible, the university may consider the possibility of handing over the Institute of Basic Medical Sciences to the State Government. The only alternative to this recommendation would be the establishment of a separate hospital for the Institute of Basic Medical Sciences of the same standard as the Institute of Medical Education and Research and since this is a very expensive proposition, the Committee does not recommend it.

6.27 The posts now being recommended by the Visiting Committee for the Fifth Plan period for various departments and which have been earmarked for specialisations should not be transferred to any other specialization or areas or converted into general posts.

6.28 The Committee noticed a communication gap between students and teachers; appropriate steps including formation of student teacher committees in departments may be taken to bridge this gap.

6.29 There is a need for continuous appraisal of the progress made by the university with regard to the suggestions and recommendations made by the Visiting Committee and approved by the University Grants Commission. The university is advised to set up an Academic and Planning Board for this purpose which should have on it university teachers. The UGC should seriously consider establishment of a regional office in Calcutta to cater to the needs of this region.

7. Existing Departments :

Humanities and Social Sciences

7.1 Department of English : The department has about 400 students divided into four sections. The department has a sanctioned staff of one Professor, three Readers and eight lecturers. The post of Professor is lying vacant. The department

is also being helped by six salaried part-time Lecturers and three honorary part-time Lecturers. Four of the whole-time Lecturers and one of the part-time Lecturers possess research qualifications, 30 candidates are engaged in doctoral research. 35 students have been awarded Ph.D. degree. The department intends to give priority to the reorganisation and development of postgraduate teaching and to the introduction of tutorials and seminars on a planned basis. It also proposes to have a language laboratory and to give the teaching of Drama Poetry and Fiction, a practical slant through 'Literary Workshops'. The student of M.A.(Final) class would also be encouraged to write short and independent papers. The department also wants to undertake a programme for examining the impact of English on Indian languages and literature and translation of selected Bengali books into English.

The Committee found that the number of students admitted to the M.A. course is on the high side and it is necessary to curb the rising student enrolment. The possibility of restructuring admissions by restricting them to good honours students may be explored. The courses also need to be restructured and redesigned. It would be of advantage if in the revised course equal emphasis is given to language and literature. The department should also start arranging orientation courses for the English teachers of the affiliated colleges. The M.A. programme currently being offered by the department is largely a conventional one with focus on English literary study. The Committee suggests that the department may organise its M.A. programme in such a way that it takes into account the entry level of the present day student and also his needs as well as those of the community at large. The students at this level should have the option of specialising either in English literary studies or English language and language teaching. Both these groups should have six papers in common of which at least four should be in English literature, the fifth paper could be in the use of English (spoken and written) and the sixth paper on the structure of modern English. Seventh and eighth papers should be either in : (i) Comparative Literature or, (ii) Commonwealth Literature including Indian Writing in English or American Literature. For students specialising in English teaching and language teaching, these two papers may be : (a) introduction of linguistics and (b) principles and techniques of teaching English as a second language in India.

The department could also do a number of things to bring about improvement in the teaching of English at the undergraduate level in the affiliated colleges, e.g., syllabus reform, production of right type of teaching material, changes in the methods of teaching and examination reforms. The department should conduct seminars and workshops for teachers of English at which these changes should be discussed. The university department of English should also function as a service department. Most of the books and journals are available only in English but knowledge of English of most of the students is very poor. The English department can help by organising courses for the better understanding of English. These courses could be framed to suit the different needs of various departments. If the department agrees to undertake these tasks, the Committee recommends that the following assistance be provided to it. The vacant post of Professor should be filled up immediately and the person to be appointed on the post should be a specialist in English language teaching with a strong background in English linguistics or specialisation in English linguistics with good qualifications in English language teaching or specialisation in linguistics related to ELT with good qualifications in ELT. In addition, the following are recommended under first

priority :

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| (1) | Teaching Staff | Reader (with specialisation in Comparative Literature) |
| (2) | Books and Journals | Rs. 30,000/- |
| (3) | Equipment (tape-recorder, record and typed material and film projectors) | Rs. 20,000/- |
| (4) | Seminars/Workshops etc. required for revamping the undergraduate English programme | Rs. 25,000/- |

7.2 Department of Urdu: The department of Urdu is at present a part of the department of Modern Indian Languages. It has a staff of two whole-time and two part-time Lecturers only. The intake of the department is 7 students in M.A.(Previous). There are 10 students in M.A.(Final) The department has been conducting an M.A. teaching programme in Urdu. The Committee noted that the department has not been able to inter-act with other language departments, especially Bengali, English, Arabic and Persian.

Although there are three ^{lacs} Urdu speaking persons living in Calcutta and three colleges are providing facilities for Urdu (Hons) the M.A.(Urdu) course of the department of Modern Indian Languages has not been popular. This is mainly due to lack of permanent faculty support for this course. It has only two full-time Lecturers and two part-time lecturers handling all the eight papers.

It is recommended that this department should be sanctioned the post of one Reader (under first priority) and two Lecturers (under second priority) and a grant of Rs.10,000 for books & journals under first priority so that this course may be run adequately. In due course it should develop research programmes leading to Ph.D. degree. At present, only three students are enrolled for research in Urdu and so far none has got a Ph.D. degree.

7.3 Department of Bengali : The department of Bengali was set up in 1919. This is a part of the Department of Modern Indian Languages. It has about 400 students divided into six sections, three in M.A.(previous) and three in M.A. (Final). There are 13 whole-time teachers (three Professors) three Readers and seven Lecturers) in the department. Four part-time teachers and four honorary part-time teachers are also helping the department. During the last five years, 30 candidates have been awarded Ph.D. degree. At present, 20 students are engaged in doctoral research. The department has about 800 manuscripts of which only 150 have so far been published. It proposes to undertake a comprehensive programme of research relating to folk literature and other themes as well as preparation of Bengali encyclopaedia, descriptive catalogue of manuscripts etc. The department has not established any link with the departments of History, Sanskrit, Philosophy or English. It has not established contacts with its counterparts in other universities of the State. The department has no concrete plan for its development in the next Five Year Plan period.

It would be advisable if the department, instead of publishing manuscripts, undertake the preparation and publication of a critical descriptive bibliography of the manuscripts preserved in its departmental library. A Bengali encyclopaedia is too ambitious a work which cannot be done by the Bengali department alone. About collecting folk songs, ballad and proverbs etc. the department is not equipped at present for undertaking this kind of work. Unless there are courses in phonetics and field techniques, any serious study in the field of folk literature would be impractical.

The Committee feels that although the department has been named as department of Modern Indian Languages, the courses at present conducted by the department do not justify this nomenclature. No department can be called a department of Modern Indian Languages until and unless it takes up the study of a number of Modern Indian Languages. The Committee, therefore, suggests that if the department has to justify its existence, it should conduct integrated courses involving study of two or three languages. It, therefore, seems necessary to redesign the Master's teaching programme to include a few more languages. The Committee, therefore, emphasises that the department of Modern Indian Languages be renamed as the School of Modern Languages including the departments of Urdu, Hindi, Bengali and one or two other languages like Tamil and ~~Telugu~~. The Committee noted that a post of Professor is lying vacant in the department. It would be to the advantage of the department if this post is filled up immediately and the person appointed, possesses specialisations in old Bengali and Linguistics. The Committee, recommends that the following assistance be provided to the Bengali department under first priority.

- (1) Teaching Staff: Lecturer 1.
- (2) Books and Journals: Rs. 30,000/-

7.4. Department of Hindi: The department was set up in the year 1918. It has an intake of 50 students in M. . (Part-I) and has 50 students in M.A. (Part-II). The department consists of one Reader, three whole-time Lecturers and two part-time lecturers. 40 research scholars are working in the department. The department has a programme to introduce new optional groups and start honours classes, a wing for the study of Comparative Literature and a Centre for Advanced Study. It also has proposal to undertake the preparation of a Literary History of India to compile a bilingual or trilingual dictionary and to edit Bengali manuscripts having a bearing on Hindi.

The Committee, however, feels that it would not be desirable for the department to start honours courses in Hindi. Such courses should be started and developed in the colleges. The programme of special studies proposed to be undertaken by the department may constitute the normal work and activities of the department and would not require any special assistance for the purpose. Various projects under this programme could be assigned to the research fellows. The Committee was of the view that for the present, there is no need for any additional staff at lower levels. However, to strengthen research in the department, the Committee recommends that following assistance be provided under first priority:

- (1) Teaching Staff: Reader 1.
- (2) Books and Journals Rs. 30,000/-

7.5 Department of Arabic and Persian :- The department has been conducting separate Master's degree courses both in Persian and in Arabic. It has six students (Two in M.A. (Previous) and four in M.A. (Final) in Persian and 8 students (two in M.A. (Previous) and six in M.A. (Final) in Arabic. The sanctioned strength of the department is one professor, two Readers, four whole-time Lecturers and one part-time Lecturers. The Professorship and one Lecturership have been lying vacant. The department proposes to introduce papers on Quran and Tafsir and on Philosophy and Mysticism. It also seeks funds for purchase of Manuscripts and books and journals, for organising lectures and symposia, for publishing an annual bilingual journal and research works.

The Committee, found that the M.A. teaching programme in Arabic and Persian lays more emphasis on the study of Ancient Arabic and Persian texts and literature. It, therefore, recommends that the courses should be thoroughly revised. The study of modern Arabic and Modern Persian should form a strong component of these courses. It also appears to be desirable that the posts for Arabic and Persian be separately identified so as to encourage specialisation.

The Committee, therefore, feels that to provide leadership to the department, the post of Professor should be filled up immediately. After the Professor has been appointed, the future programmes of development of the department may be planned by him and sent to the Commission for consideration. A grant of Rs. 10,000/- may in the meantime, be provided for books, Journals in Arabic and Persian first priority.

7.6 Department of Sanskrit :- The Department of Sanskrit is a big department having 300 students in both M.A. (Previous) and M.A. (Final). It has a sanctioned staff of one Professor, four Readers and six whole-time Lecturers. In addition, three teachers from other departments participate in postgraduate teaching, and there are 18 part-time lecturers of whom as many as 11 are working in an honorary capacity. During the last 8 years, about 51 research students have been awarded the Ph.D. Degree and seven candidates the D.Litt. degree. The syllabus for postgraduate studies provides for as many as 14 specialisations, each covering four papers. At present facilities exist only for 10 optional groups. 21 candidates are engaged in doctoral research. One post of Reader is lying vacant.

The department has no links with the departments of Ancient Indian History, Pali and Philosophy. These should be developed. It would be also to on the advantage of the department if active links are established between the Sanskrit College and the University department of Sanskrit. The Committee recommends that the following assistance be provided to the deptt. during the current Plan period.. under first priority.

- (1) Teaching Staff: Lecturer - 1
- (2) Books and Journals: Rs. 30,000/-

7.7 Department of Pali:- The department has 24 students - 10 in M.A. (Previous) and 14 in M.A. (Final). It consists of one Professor, one Reader, Three whole-time Lecturers and four part-time Lecturers of whom one is paid and the rest are working in an honorary capacity. The post of Reader is lying vacant. 20 candidates have been awarded the Ph.D. degree during the last 10 years and 12 research students are actively engaged in doctoral research. The department is specially interested in Buddhist Studies. It has a collection of Tibetan and Chinese Manuscripts and has undertaken the translation of Dutch, French and German works on Buddhism in South East Asia into English. The department has not been able to achieve much owing to the fact that it has no links with the disciplines of Sanskrit, History or Philosophy. It would be desirable to bring its works and programmes into closer association with these allied disciplines. From the point of view of employment potentials, M.As. in Pali do not have a bright future and that is why the enrolment of the department has all along been very poor. The committee does not feel that the dept. requires any extra teaching posts during the current Plan period. A grant of Rs. 5,000/- may be given for books, journals under first priority.

△with

7.8 Department of Comparative Philology:- The department has an intake of 31 students. It has a sanctioned staff of one Professor, two Readers and five Lecturers. But, at the present moment, there are four Readers in the department, since two of the Lecturers have been promoted as Readers under personal promotion scheme. The post of Professor has been lying vacant for almost 10 years. It appears that the University has not been able to find a suitable person to head the department. During the course of the last five years, the department has produced 12 Ph.Ds. and five candidates are registered for their Ph.D. degree. The courses of study in this department are oriented towards historical linguistics and adequate attention does not seem to have been given to the study of Modern Linguistics. It has been proposed that a separate department of Modern Linguistics should be established and the department of Comparative Philology be developed into a Centre of Advanced Study in the field of historical linguistics, yet despite historical linguistics being a very strong component of the M.A. teaching programme, the department has failed to establish links with the departments of English, Sanskrit and Bengali. The Committee, however, does not support the idea of the establishment of a separate department of Modern Linguistics. It was also disturbing to note that the Khaira Professorship in India Linguistics and Phonetics which was instituted as early as 1922 has been vacant for the last 10 years. The department at one time was one of the best departments of Linguistics in the country, but this unfortunately is no longer the case. The Committee recommends that the post of Professor must be filled immediately. For the present, an amount of Rs. 30,000/- may be provided to the department for the purchase of library books and journals, and an equal amount for the purchase of equipment under first priority.

7.9 Department of Languages:- The languages department is conducting certificate/ Diploma courses in French, German, Russian, Chinese and Tibetan. A course in spoken Hindi is also conducted by the department. This department is being run solely with the help of part-time teachers. The total intake of the department is about 150 students. Only those students are admitted to those courses whose mother tongue is Bengali. The University has a programme to start courses in spoken Bengali and Tamil and a few other foreign languages, like Italian, Spanish and Japanese. The Committee feels that the immediate reorganisation of Languages department is very necessary especially because there are a number of departments which are overlapping. Since departments of Arabic, Persian and Bengali are already in existence, the Committee feels that they are better placed to introduce diploma courses. The course in spoken Hindi at present being conducted by the department may also be shifted to the department of Hindi. The department of French may be merged with this department and a school of Foreign Languages may be set up. If the department agrees with this, the following facilities may be provided to it:-

(1) Teaching Staff: 4 Lecturers } One each in German,
(Two in I. and two in II Priority) } Russian, Spanish &
} Chinese.

(2) Books and Journals:- Rs.50,000/- under
First Priority.

7.10 Department of French :- The department is conducting M.A. course with the help of one whole-time Lecturer and one part-time Lecturer. It has a small student enrolment. The Committee does not find any justification for an independent department of French. It also feels that the M.A. teaching programme in French has no practical value and certificate or diploma course in this language would be adequate. The department may, therefore, be amalgamated with the School of Foreign Languages.

7.11 Department of Library Science :- The department has been conducting B.Lib. and M.Lib. Science courses. It has 100 students in B. Lib. Science and 10 students in M.Lib. Science. The M.Lib. Science is a two-years course. This course was introduced in 1973 and the first batch will pass out this year. The present staff comprises three Lecturers, six part-time Lecturers (paid) and two part-time Lecturers (honorary). The M.Lib. Science is two years course and its main emphasis is on documentation. The Commission had sanctioned two Lecturers during the Fourth Plan which implies that it has the approval of the Commission, although the Committee was of the view that in view of the financial constraints and very limited job-potential of M.Lib. Science graduates, the starting of such a course was not necessary, at this stage. The Committee feels that the department may restructure its programmes in such a way that the students are imparted practical training in documentation specially in the literature published in the field

of Science, Technology and Medicine. Assistance in this regard may also be obtained from the INSDOC, Delhi and National Library, Calcutta. The department should also obtain help from the departments of History and Languages. It would also be appropriate if the department runs a conducted course only and admits those students who are sponsored by various institutions, namely, Colleges, Universities and other research organisations. This would help the department in meeting its recurring and non-recurring expenditure. Since the department has already been conducting a course with the help of part-time Lecturers, the Committee feels that if it organises its activities on the lines suggested above it would not require any financial aid. But the department may be provided Rs. 30,000/- for the purchase of books and journals under first priority.

7.12 Department of Education :- The department is offering courses leading to B.Ed./M.A./M.Sc. (Education). The student strength is about 100. The staff consists of one Professor, three Reader, and seven whole-time Lecturers and one Instructor, nine part-time Lecturers and two honorary Lecturers. During the last five years, the department has produced seven Ph.Ds. 30 candidates are at present registered for the Ph.D. course. The department is housed in a residential building. The accommodation in this building is inadequate and unsuitable for running a postgraduate department. The departmental library is housed in a single room, and is ill-equipped. The department has been carrying on research mainly on problems relating to teaching of Psychology and History of Education. The present proposal of the department is to introduce M.Ed. courses. The Committee feels that for the present, the department should hold in obedience its proposals for introducing M.Ed. courses. It should also consider reducing the intake of students at the undergraduate as well as postgraduate levels. The M.A./M.Sc. course is an academic course while the B.Ed. course is pedagogical. The existing teaching programme includes subjects which are usually taught at the M.Ed. level and has a large number of papers dealing with different aspects of Psychology and measurement. Surprisingly, the department has no co-ordination with the department of psychology. The Committee feels that the department of Psychology and this department would both benefit greatly if they establish closer cooperation. The syllabus needs to be revised and brought up-to-date in the light of recent developments in the fields of teacher education.

The Committee also recommends that the department may be shifted to the new Campus along with Deptts of Psychology and Applied Psychology. It is also necessary that the department promotes research in the fields of examination reforms and guidance and counselling. It may also undertake short-term courses in service training programmes for college teachers. The Committee feels that it would be in the interest of the department if the B.Ed. classes are transferred to the colleges. If this be done the present accommodation may be adequate for its research and teaching activities. Later in the Sixth Plan period, the University may,

- (2) Books and Journals:
Under First priority Rs. 50,000/-
- (3) Field work:-
Under first priority Rs. 10,000/-

The deptt. wishes to be recognised as a centre for special assistance in the field of urban Economics. This may be referred to the appropriate Committee.

7.14 Department of History:- The present intake of the department is 150 students to the M.A. class each year. Besides, students from Presidency College come for tuition in the department. Those possessing B.A.(Hons.) are qualified for admission in the department. The present staff comprises two Professors, three Readers, four whole-time Lecturers, five paid part-time teachers and five honorary part-time teachers. During the last five years, the department has produced five Ph.Ds. and 12 candidates are now working for their Ph.D. degree.

The department wants to intensify research in Economic History. It also intends developing teaching and research in Social and Cultural History of India. The department has not developed any links either with the departments of Economics and Political Science or with the Centre for Social Sciences, Calcutta. It also has a programme to undertake a project on the History of Bengal since 1947.

The department is at present housed in the College Street Campus which is greatly overcrowded. The Committee recommends that the various deptts. of History be housed together in one place and formed into a centre for Historical Studies. This would permit greater coordination and collaboration. The Committee, recommends the following assistance to the department of History.

(1) Teaching Staff:

(A) First priority : Professor - 1 (in Economic and Social History)
(IPIL)

(B) Second priority : Reader -2 (One in Social History and other in Political History).
(2R)

- (2) Books and Journals:
Under First Priority Rs. 50,000/-

7.15 Department of Ancient Indian History & Culture : The intake of students in M.A. (Previous) is 75. The staff comprises of two Professors, three Readers and five Lecturers. The post of the Bageswari Professor of Fine Arts has been vacant for a long time.

One post of Reader is also vacant. The department has produced during the last 10 years, 25 Ph.Ds. 25 candidates are engaged in doctoral research. The department has not established any links with Sanskrit and Pali departments and not even with the departments of Archaeology, History and Islamic History and Culture. The department was recognised as the Centre of Advanced Study by the U.G.C. but the status was withdrawn on the basis of an assessment made by the Committee appointed by the Commission. The Committee feels that the present staff strength is adequate and the department does not require any addition to its staff. However, an amount of Rs. 30,000/- may be provided to the department for the purchase of books and journals under first priority.

7.16 Department of Islamic History & Culture :- The intake of Students in M.A.(Previous) is 50. The department has a staff of one Professor, two Readers and four Lecturers. The posts of one Professor and two Lecturers are lying vacant. So the present staff strength is three Readers and three Lecturers. During the last five years, the department has produced five Ph.Ds. and 20 candidates are engaged in doctoral research. In its teaching programme, the department has a special bias towards Medieval Indian History. The department has not been able to make arrangements for tutorials and seminars on account of dearth of accommodation and teachers. It wants to introduce a special group on International Relations and requires additional staff for it. The Committee, however, feels that for this purpose assistance from the Political Science department may be obtained. The department has no links either with the Political Science department or with other sister departments.

The Committee was clearly and unanimously of the opinion that the name of the deptt. should be changed. It should be renamed as the Deptt. of Medieval History. It should start joint collaborative programmes with the departments of Ancient Indian History, History and Archaeology. The department would not require any additional staff but the vacant posts should be filled. However, the department may be provided a grant of Rs. 30,000/- for the purchase of books and journals under first priority.

7.17 Department of Archaeology:- The present intake of the department is 13 students in M.A. (Previous). 12 students are in M.A.(Final). It has a sanctioned staff of one Professor, one Reader and three Lecturers, but one Professor, one Reader and three Lecturers, but one Professor and one Reader are on leave, so the actual strength of the department is three Lecturers. The department has produced two Ph.Ds. during the last five years. 8 Candidates are engaged in active research. Some of the teachers of the department of Ancient Indian History and Culture, Geography and Anthropology are participating on a part-time basis in the academic programmes. The department provides a two years M.A. course in Archaeology. It is an active department and has undertaken fruitful excavations during recent years. The department wishes to introduce B.A. (Hons) course in Archaeology. But the Committee does not support this idea. The proposal of the department to start courses on Archaeology for Egypt and South-East Asia is also not recommended.

Egyptian Archaeology is already being looked after by the Archaeological Survey of India; and as at present persons trained in the Archaeology of these regions are not available within the country and, therefore, a few persons will have to be sent for field studies to these regions.

The department should take advantage of the facilities provided in the Ashutosh Museum. Although, there are logistic difficulties even then it would be appropriate to take students to this Museum in batches for providing lessons. To provide a separate museum for this department would, in view of the limited resources, not be advisable.

The Committee recommends that the vacant posts of Professor and Reader be filled up immediately. The department may be provided Rs. 30,000/- for books and journals. and Rs. 20,000/- for field trips and excavations under first priority.

7.18 Museology Department:- The department is currently located in the Ashutosh Museum of Indian Art of the University. The teaching staff consists of one Reader, three whole-time Lecturers and part-time Lecturer. The department offers a two year M.A./M.Sc. course in Museology and the total intake of students is 12 (6 from arts and 6 from Science stream). It is one of the few departments preparing specialists in Museology to cater to the needs of the Museums of the country.

The syllabus is comprehensive consisting of three compulsory general papers on the various aspects of Museum; and there are two groups of optional papers (i) Archaeology, Art and Anthropology (Group-A) and (ii) Natural Sciences (Group-B). Each candidate is asked to offer one of the groups; in addition there are two practical papers. In general, the syllabus is quite comprehensive and up-to-date.

The research side of the department is rather weak and needs to be strengthened. The following recommendations are being made :-

(1) Teaching Staff:

(A) First priority - Reader - 1 (with specialisation in Biological Sciences.)

(B) Second priority - Professor-1 (with specialisation in either Archaeology or Anthropology and 2 Tech. Assistants.

(2) Field worker under first priority- Rs. 30,000/-

(3) Books and Journals under first Priority. - Rs. 25,000/-

() Grants for Scholarships to MA/ M.Sc. students three each year from 76-77. Rs. 45,000/- under first priority.

7.19 Department of Journalism :- The University has been conducting M.A. course in Journalism with the help of part-time teachers. This was introduced in 1970. It has an intake of 60 students, of whom about one-third are women. The department is running entirely with the help of the part-time teachers who are paid Rs. 150/- p.m. each. The Head of the Department is also a part-time teacher. There is, however, no inter-action between this course and the courses in the languages like English, Sanskrit, Bengali Urdu, Persian and Arabic. The Committee found that the course does not include any language training nor does it impart knowledge about recent developments in the fields of Indian or World's History, International Relations, Diplomacy and Modern Economic, Social and Educational problems. The Committee, recommends that it would be advisable if the course is reformulated and a full-fledged course in Journalism and Mass Communication is introduced by the University. If the University recasts the syllabus on the lines suggested above, the position may be reviewed during the Sixth Plan and assistance, if considered necessary, may be provided for the course.

7.20 Department of Philosophy:- The department has got 12 permanent posts and 10 part-time teachers in the department. The break-up of the permanent posts is this :- Professor - 1, Readers- 3 and Lecturers- 8. The department has produced 33 research scholars during the past 10 years, and four research scholars who receive fellowships are working in the department at present. Like the other departments, this department also could not supply the exact number of all the research scholars registered for Ph.D. in the department. But roughly the number is said to be 15. The publications and researches done by some staff members of the department during the last five years are quite substantial in quantity, but very ordinary in quality. Most of the topics on which publications and researches have been done are very general in nature, without much scope for specialisation and depth. Moreover, the topics of the Ph.D. researches done during the last 10 years show not only much overlapping but also repetition of topics in some cases. On the whole, the research work and academic development of the department have not been impressive in the recent past. The department also seems to lack the required unity and co-ordination within the department because some of the information sought by the Committee was not available, although the information concerned only the work done by the teachers and the research scholars of the department.

Among the senior teachers of the department, a variety of specialisation is available at present which seems to be sufficient for catering to the needs of the present syllabus as well as the revised syllabus which is yet to be approved by the higher bodies of the university. The syllabuses, new as well as old, are very unsatisfactorily designed and they need much modification and improvement. They are not specific enough and there is some undesirable overlapping as well. Moreover, they have the serious defect of still continuing the practice of giving a substantial weight to technical psychology as differentiated from Philosophy of mind. This teaching of technical psychology in the

Philosophy course is out dated and not worthwhile both from the viewpoint of the academic teaching of philosophy as well as the job-utility of this course. It is recommended that the syllabus be further revised keeping in view the modernisation of Philosophy.

The department admits 400 students for postgraduation every year, and proposes to start the M. Phil. Programme and also the tutorial system, if sufficient strength is given to it. In view of the large number of admissions, it is recommended that a Lecturership and a grant of Rs.40,000/- for books and journals may be sanctioned to the Deptt. under first priority.

The department has requested for recognition as a special research Centre in Philosophy and has given an estimate of about Rs. 3 lakhs as the annual expenditure for this Centre. This proposal need not be considered at the moment.

7.21 Department of Political Science :- The Department of Political Science was established as a separate department in the year 1948 and since then it has been attracting a large number of students to its postgraduate course. In this respect it can be called one of the major departments in the University. At present, it has 380 students on its rolls, of which 140 are in M.A. (I- Year) and 240 in M.A. (II Year). During the last five years, 16 of its students were awarded Ph.D. degree. At present 16 scholars are working for their doctoral research and we were told that about 10 students seek admission to the Ph.D. course every year. The strength of the Faculty at present is two professors, (one of which earmarked for Public Administration is lying vacant), two Readers- (one of which is for Sociology) and four whole-time lecturers. Apart from these eight whole-time teachers, there are 12 part - time Lecturers also in the department. During the Fourth Plan period no teaching post was sanctioned. The number of whole-time teachers in the department as compared to other departments is meager. The M.A. course comprises of eight papers, six of which are compulsory papers, viz,, Political Theory, Political Sociology, Indian Political System, Indian Political Thought and Movement, Public Administration and International Law. Besides these; a student has to select an optional group of two papers out of five groups for the teaching of which the department has provision at present. These groups are : Socialist Thought, Sociology, Political Analysis and Research Methodology, Local Government and International Law and International Organisation. Four more optional groups are provided in the syllabus, but due to paucity of staff, the teaching could not be started. The courses were revised and made up-to-date recently. The department is also conducting certain research projects and so far, seven research projects financed either by the ICSSR or the UGC have been undertaken by this department. Of those, three have been completed and the reports of two have been published.

The department now proposes to introduce a M.Phil. course to which only selected students, not more than 10 will be admitted and after completing M.Phil. will generally proceed to Ph.D. course. Apart from this the department has also a plan for the modernisation of the examination system which will involve introduction of the tutorial system and a process of continuous internal assessment.

Before considering the demands of the department for additional staff etc., the Committee recommends that the course of Sociology should be transferred to a new department of Social Studies which will also include Social Anthropology. Therefore, keeping in view this fact, that the department will become purely a Department of Political Science, the Committee recommends posts of two Readers and two Lecturers. (one Reader & one Lecturer under first priority and one Reader and one lecturer under second priority) and a grant of Rs. 40,000/- for books, journals under first priority.

As regards the demand of the department for the opening of a Centre for the Study of West Bengal State Politics, the Committee suggests that the department should apply to the Indian Council of Social Science Research for a project on the study of State Politics. As there is a Computer Centre in the University, the department may take its assistance and, therefore, no grant for equipment is recommended.

7.22 Department of Commerce :- The Department of Commerce is one of the biggest departments in the University with an enrolment of about 2000 students in two shifts (day and evening) for M.Com.degree. This strength is spread over 14 sections. There are about 150 students in each section. The department also provides research facilities leading to the degree of Ph.D. in the areas of Applied Economics, Business Statistics, Accountancy and General Management. It has at the moment two research scholarships of Rs. 250/- p.m. provided by the University to its Ph.D. students. The department has, so far, produced 15 Ph.Ds. and there are 25 students who are enrolled for Ph.D. degree. The department has also undertaken as many as 11 projects from the Planning Commission, ICSSR, Institute of Manpower Research etc. The present strength of the teaching faculty of the department is- Professor- 4, Readers- 4, whole-time Lecturers- 16, part - time Lecturers- 28 and Honorary Lecturers- 9. The department is also planning to develop a special three years postgraduate course leading to the award of Master's degree in Industrial Management for which the approval of the Syndicate has been obtained. In addition, the department is planning to offer an M.Phil. course to train Ph.D. students and teachers in affiliated colleges. It also wants to strengthen the existing M.Com. Course by providing more areas of specialisations. For all these, the department has submitted proposals totalling (including a separate building) Rs. 91,15,000/- in financial terms. The department has asked for two Professorships and three Readerships, in addition to a separate building and some administrative staff and equipment. The Head of the Department told the Committee that the Department of Commerce of Calcutta University wants to establish collaboration with technology stream and as such the specialisations needed for new Professorships could be Production Engineering, Operations Research and Cybernetics. For three Readers, the specialisations proposed by the Department are Sociology and Industrial Psychology.

Going through the various papers submitted by the Department of Commerce on their development programme and the recommendations of the Ghani Committee, one gets an impression that clear lines on which the growth of Commerce Education in this University should proceed are being worked out and the confusion regarding the future role of Commerce in this University as an academic discipline is being cleared by removing the somewhat artificial difference between Commerce and Business Management. A healthy step in this direction has been taken by renaming the College of Commerce as the University College of Business Studies.

The three years Master's Course in Industrial Management (MIM) as a full-time day course is a major deviation from the established practice of offering two years Master's course in Indian Universities. Specialised advanced courses can be thought of mainly of one-year duration as is the case with most of the universities in the West.

Proposals for M. Phil. Course have also been made out with five papers which have been suggested as course work for this. The M.Phil. programme rightly aims at preparing candidates in research methodology for doing Ph.D. work and also for bridging the knowledge gap that exists in our postgraduate programmes.

It is recommended that the UGC may recommend more space for the existing programmes and some space for research scholars and teachers. The present accommodation available to the department is grossly inadequate.

The department may organise post-B.Com. diploma courses, like those of Corporate Secretaryship, Industrial Relations and Personnel Management, Marketing and Sales Management, Tax Planning and Management etc. which are very well needed in a city like Calcutta. These will also reduce pressure on M. Com. admission.

Taking into account the low strength of senior teaching faculty in terms of needs, it is suggested that this department may be sanctioned one post of Professor - with specialisation in Accounting and one Reader with specialisation in functional areas of business under first priority and three Readerships with specialisations in Industrial Sociology, Industrial Relations, Personnel Management and marketing, under second priority. The Department should also be given a grant of Rs. 75,000/- under first and Rs. 25,000/- under second priority for acquiring books and periodicals mainly for research use and an equipment grant of Rs. 10,000/- under first priority.

Efforts should also be made to regulate admission to B.Com. course and reducing the number in each section to around 75 students. This may be accomplished by following a selective admission policy and by offering post-B.Com diploma of job oriented nature as suggested above

The number of research scholarships allocated to the department should be increased so that first-rate students are encouraged to take up research work on full-time basis. The M.Phil. programme which this department is envisaging should be offered only on whole-time basis.

7.23 Department of Law: The Law College has got 6500 students on its rolls and almost all teaching is done by the part-time Lecturers whose number is 73. There are only three full-time teachers - one of which is a Principal and two are the Vice-principals. This College has submitted proposals for starting LL.M. courses as full-time day course. At present each section of LL.B. has a strength of about 150 students.

It is recommended that two Readers, one in first and one in second priority and two lecturers in second priority and Rs.40,000 under first priority for books, journals, Besides, the honorarium payable to part-time Lecturers who take 12 periods of lectures a week, should be increased from Rs.250/- p.m. to Rs.500/- p.m. The department should also be provided more space for its class rooms and teachers.

8. Faculty of Science:

8.1. Department of Botany

The Department of Botany which came into existence in the year 1918 had an initial intake of less than 10 students. It now admits 60 students every year. Of these 20 are admitted through the Presidency College and the rest by the University. Lectures and special paper practicals of all students are arranged in the department. Only in the general practicals, 20 students utilise the laboratory facilities of the Presidency College. Because of large number, the practical classes are held in two shifts with common theory classes in between the morning and the evening shifts. The students of the morning shift do not get ample time for practical work and are at a disadvantage vis-a-vis students of the afternoon shifts. This is a very unsatisfactory arrangement. The department is cramped for space for general practicals and staff rooms. Corridors are crowded with almirahs containing herbarium and museum specimen.

The department offers special papers in seven disciplines, namely, Cytogenetics, Mycology and Plant Pathology, Plant Physiology, Taxonomy, Palaeobotany, Pharmacognosy and Microbiology. It also proposes to start some more specialised disciplines like Biosystematics and Radiation Biology, Molecular Genetics, Experimental Ecology etc.

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the department,

There are 96 research scholars working for their research degrees, of which 52 are part-time workers and 44 are full-time research fellows who receive stipends from agencies like UGC, CSIR, ICAR, Atomic Energy Commission, the University etc. The department has recently introduced the Term system and the whole M.Sc. course has been divided into five Terms. This is indeed a welcome step. During the last 10 years, the department has published more than 500 research papers in Indian and foreign journals and has produced 77 Ph.Ds and 6 D.Sc.s. The main thrust in the department is in the area of Cytogenetics and Cytochemistry in which the department has acquired reputation. The UGC has selected this department as Centre of Special Assistance.

Development Plans: The department has diversified its teaching and research programmes to several specialised branches keeping in view the job potential and modern developments in the Biological Sciences. However, it would be advisable to concentrate teaching and research in a few specialised fields in which the department has sufficient expertise and infrastructure to become a Centre of Advanced Studies. This will include the disciplines of Cytogenetics, Cytochemistry, Radiation Biology, Biosystematics and Molecular Genetics. Teachers in other specialisation may take advantage of individual Teachers' Research Schemes of the UGC for developing their fields.

Requirements: The minimum space requirement is a general laboratory to accommodate 60 students, staff rooms and a big room to store herbarium and museum specimens. For this an area about 5000 to 7000 sq. ft. may be provided preferably in the same floor by extension in the eastern block.

Staff: To augment the teaching and research activities, one professor and two Readers in the field of ultrastructure and Molecular Radiation Biology may be sanctioned. Besides, three technicians for Tissue Culture/Radiation Laboratories may be sanctioned.

Equipment: Although the department has acquired several sophisticated apparatus, certain additional equipment and spares are needed. A sum of ₹.2.50 lakhs may be provided for this purpose.

Green House: During the last Plan period, the Green House was sanctioned but it is yet to be completed and commissioned. A sum of ₹.1.00 lakh may be provided for Green House. ₹.1.00 lakh may be provided to furnish cold rooms and Tissue Culture.

Journals: Books & / : A grant of ₹.1.50 lakhs may be provided for books, journals for the department library.

Note: The department needs an ultracentrifuge and a spectrofluorometer. These should be taken care of under the "Central Instruments Facility" as other departments are also in need of these instruments. There is also a demand for a Scanning Electron Microscope by various departments, including the Zoology Department. This, again, could be included as a "central facility" if the funds permit.

5. Books Rs.1.00 lakhs.

II Priority:

1. Staff:
 - i) Professor-1 (Cytogenetics/ontology)
 - ii) Reader - 1.
 - iii) Lecturer- 2.

2. Equipment including Repairs & Maintenance of Equipment: Rs.1.25 lakhs

3. Books Rs.0.50 lakhs

8.3. Department of Physics: The physics department has had a glorious tradition, having had men like C.V. Raman, S.N. Bose, M.N. Saha, S.K. Mitra among its past professors. In recent years, it had not been able to keep up this tradition. However, the Committee could see that ground was now being prepared for its revival. With the newly appointed staff, and the bright students it attracts, the Committee hopes that the department will again take its place among the front-rank physics departments in the country.

The present staff consists of 4 professors, 5 readers and 12 lecturers. The department had mentioned various areas of specialisation, but after some discussions these were grouped into solid state physics (theory and experiment), biophysics and nuclear physics (low and high energies, including cosmic rays). The department will do well to form viable critical size groups in these areas rather than diffuse its efforts. It was happy to note the efforts during the last year to generate a research programme in experimental solid state physics, with an emphasis on building equipment, in which for 7 or 8 staff members from different sections had got together and made a research proposals. These efforts need to be encouraged and supported. The newly appointed Palit professor can be expected to build a school in theoretical solid state physics, and there is a good programme in biophysics too.

The equipment in the department, except the recently acquired electron microscope for biophysics group is out-dated, and the laboratories have to be re-equipped. In the light of above remarks, bulk of the equipment grant that is recommended should be used to build up the infrastructure of the solid state physics programme. Certain accessories would also be needed for the electron microscope. The electron microscope and the ultra centrifuge, that is requested, should be part of the central instruments facility. The department should also prepare to use the variable energy cyclotron. For this, it will need equipment as well as staff. A certain equipment grant in nuclear physics is being recommended, subject to the department taking steps to appoint experts who would be in a position to use VEC effectively, and a detailed proposals being submitted. The positions that are recommended, and the vacant positions may be filled, keeping the above recommendations in view.

The Committee recommends the position of a work-shop instructor, so that the students may be given a training in work-shop practice. He may be attached to the central instrument facility.

With regard to the requested positions of scanner and emulsion technicians, the committee feels that these positions may be considered separately outside the plan in terms of a specific research scheme that may be submitted by the investigators concerned.

The Committee was not in favour of creating additional positions in electronics for teaching the course in electronics. In its view, it would be more desirable, within the limited resources available, to appoint readers in solid state physics, or nuclear physics, who may be experts in solid state electronics or nuclear instrumentation. The present staff, with such additions, and collaboration with the Institute of Radio physics, should be able to take care of the courses in electronics. The department may also bear upon expertise from Saha Institute of Nuclear Physics and the Bose Institute for taking some courses. There are possibilities of joint research programmes with these Institutes, which also may be exploited.

At present the department spreads in an unplanned fashion in its building. It is cramped for space (it has much less space than the physics department of the presidency College). The Committee was sad to see the manner in which the library of the department was arranged in a small room with books and journals heaped on top of each other on tables. The committee has recommended some additional space (8,000 sq. ft.). Since the new building will take some time to come up, it would be desirable to redistribute the existing space more rationally.

The Committee recommends that following assistance may be provided to the department of physics.

- A. Teaching Staff: Three Readers. 1. Exp. Solid State (Two in first priority 2. Proct Solid State and one in second priority 3. Bio-Physics.
- B. Books & Journals a) Rs. 1.0 lakhs in first priority
b) Rs. 0.50 lakhs in second priority
- C. Equipment a) Rs. 5.00 lakhs in first priority
b) Rs. 1.00 lakhs in second priority.
(This does not include accessories for electronic microscope which are included in central instrumentation laboratory).
- D. Building - about 7000 sq. ft.

8.4. Department of Applied Mathematics : It has an approved staff of 3 professors, 5 readers and 4 lecturers. 36 students are admitted each year for the two years of postgraduate course.

Areas of specialisations in the department are(i) Theory of Elasticity and Plasticity; (ii) Fluid Mechanics; (iii) Numerical and Functional Analysis and (v) Quantum Mechanics. Work is also being done in the Cybernetics, Statistical Physics, Thermo-dynamics, Information Theory, Nuclear Theory, Topology, Foundation of Geometry and Genral Relativity. Quite a good number of papers have been published in the department during the last five years in the branches given above. Besides, 20 part-time research scholars who are teachers in different colleges, there are 10 whole-time research scholars who get scholarships. The library of the department is housed in the room of the professor & Head of the Department. We were informed that there are 7,000 books in the library. The department subscribes to 34 journals of which 19 journals are subscribed by the Centre of Advanced Study in Mathematics. We understand that the Centre of Advanced Study status to the department has been taken away recently by the UGC. The department has passed through a bad time but it now shows signs of having come out of this difficult period and doing quite useful work. Since the library is housed in the room of the Professor & Head of the Department, it is very difficult for the teachers and students to make its free use. The timings of the library are the timings when the Professor & Head is present in his Office.

The department has produced 19 research scholars during the last five years. Space at the disposal of the department is insufficient and is distributed in two different buildings and

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and 15 journals by the deptt. of applied Mathematics

also on two different floors in the same building. The department recently created Professor S.N. Bose Institute within it to commemorate the memory of the late National Professor S.N. Bose.

The library and offices of the Calcutta Mathematical Society which is generally managed by the head of the department and other members of the department of applied mathematics are situated near the department of applied mathematics. The Calcutta Mathematical Society has a very good library of books and also of journals, which it gets on exchange with other International Societies, for the Bulletins which it publishes. We are glad to learn that the head of the department of applied mathematics takes care that no journal subscribed by the department of applied mathematics is duplicated with the journals which Calcutta Mathematical Society gets on exchange.

The department requires the existing hydrodynamic laboratory, geo-physical laboratory and numerical laboratory to be strengthened. They also want to set up a elasto-mechanical laboratory. For the applied mathematics laboratory to be affectively utilised, steps must be taken to make it possible to make quantitative measurements, rather than only qualitative observations. The department requires additional space. The staff seems to be sufficient for the present courses, but if new courses are to be started and the areas already existing, are to be strengthened, then some more staff is required. Professor S.N. Bose Institute is doing useful work in organising national and international symposia and seminars. It should be helped in these efforts. However, it should continue to be part of the department (and not become a separate Institute) serving as an umbrella for seminars, symposia and non-traditional inter-departmental postgraduate course programmes. The department may be given a professorship in theoretical physics to help in these programmes.

The department should concentrate on only a few branches like numerical analysis, cybernetics, operations research, oceanography because it is not possible to develop all the fields that have been mentioned above. As operation research is gaining great importance in the country and abroad and is being used in industry, it is strongly suggested that a course in operation research be also started in the department with an intake of 10-20 students each year.

The Major Electrostatic Copier which the department has, may be kept as a central facility for the whole of the Campus and not only for the department of applied mathematics. University may consider if there is sufficient work for the Copier in the department alone.

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It is felt that the intake of 36 students each year be raised to 50 including operation research course. The difficulty that was pointed out by the head of the department was that if he increased the intake, then the practical work would have to be conducted in shifts. If some more space and equipment is provided to the department, this difficulty can be solved.

The Committee found that some of the equipment in the department like the Wind Tunnel and Kirnos Seismograph are out of order. These equipment should be immediately repaired.

There should be a rational distribution of space among the different departments. The department has insufficient space and should be provided more space. It is also felt that the space at the disposal of the applied mathematics department should be compact and should not be distributed.

Additional staff may be provided to the department if the department starts the course in operation research. Technical staff may also be provided. The present vacancies must be filled up.

The Committee recommends that following assistance may be provided to the department of applied mathematics:

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| A. Teaching Staff | 1 Professor - Theoretical Physics |
| a) First Priority | 1 Reader - In Cybernetics/
Oceanography. |
| | 1 Lecturer |
| b) Second priority | 1 Reader in Op. r. research
1 Lecturer |
| B. Books & Journals | Rs. 0.30 lakh in first priority
Rs. 0.20 lakh in second priority. |
| C. Equipment | a) Rs. 0.75 lakh in first priority
b) Rs. 0.25 lakh in second priority. |
| D. Seminar symposia. | Rs. 0.50 lakh in first priority |
| E. Space - | About 5000 sq. ft. |

8.5. Department of Pure Mathematics: The sanctioned strength of the staff in the department is two Professors, four readers and eight lecturers. At present 1 Professor, 4 Readers, 5 Lecturers, five stependary part-time teachers and two honorary part-time teachers are working. The department used to admit 300 to 350 students each year. But the Committee is glad to note that this year they have reduced the number to only 140 in

M.Sc. (Previous) though there are 300 students in M.Sc.(Final.) The reduction has been possible only because they are not admitting only honours graduates and not pass graduates which they were admitting in the past. The examinations are held in the department with the help of invigilators from the department as well as from outside the department. There was a complaint that mass copying was going on in all the examinations that were held in the department. The Committee is satisfied to note from the statement of the head of the department that the department is trying to check mass copying and it has been reduced to a great extent.

There are five papers in M.Sc. (Previous) class, all of which are compulsory. In M.Sc. (Final), a student offers three compulsory papers and two optional papers in any one of the following (i) Real Analysis; (ii) Complex Analysis; (iii) Geometry; (iv) Topology; (v) Functional Analysis; (vi) Algebra. The subject of Numerical Analysis also figures in the syllabus but this is not being taught perhaps because there is no teacher in the department who can teach this subject.

The department has at present 5 research scholars on whole-time basis and 10 part-time research scholars who are teachers in different colleges. The number of research scholars in the department is very small because more than 5 research scholarships do not exist in the department. The department has produced seven Ph.Ds. during the last five years and has published 50 research papers. The workload of teachers is not more than 10 periods per week.

The teachers have big rooms at their disposal. The library of the department is situated in a big hall, but there are very few books and journals. The library hours are the same as the teaching hours of the department. The students and teachers are not able to consult the library after teaching hours. The department subscribes to only 5 journals.

The department has sought more scholarships so that it can attract greater number of research scholars. The department also wants to introduce a paper in Econometrics for which the post of a teacher has been requested for.

The department has large number of students. Even now the present strength is 140 in M.Sc.(Previous). We feel that while it may be difficult to reduce this number, the department may try to reduce the intake to only 100 students; remaining students may seek admission to the department of applied mathematics. The department may

also start an integrated course in mathematics as it exists in most of the universities in the country. There should be only 50 students in the course in pure mathematics as well as in the integrated course. The Committee is against the suggestion to create a separate department for the integrated course. The name of the department may be changed to the department of mathematics.

Four teachers have left the department. Their substitutes have not been appointed. Even then the work of the department is going on smoothly. We, therefore, feel that no additional staff is needed even for running this integrated course. The substitutes for the four teachers who have already left may be appointed in areas which are needed for the integrated course. However, the department may be strengthened by providing additional staff.

The space at the disposal of the department seems to be adequate. There is a big room in which about 10 lecturers sit. The Committee feels that this room can be easily converted into 8 cubicals. If this is done and one more room is converted into cubicals then practically every teacher will have a room to himself. The rooms of professors, readers and the retired professors are big enough and seminars can be conducted in those rooms which, we note is not being done.

The books which are used most in the department may be kept in a small room and the library room can be divided into a common room for the students of the department and a seminar room.

The following assistance is recommended for the department of mathematics:

- | | | | |
|----|---------------------|---|---|
| A. | Teaching Staff | 2 Readers
(1 in first and
1 in second
priority) | Only if the department
starts integrated course
in mathematics. |
| | | 2 Lecturers
(1 under second and
1 under third
priority). | |
| B. | Books &
Journals | a) Rs 0.75 lakhs
b) Rs 0.75 lakhs | under first priority
under second priority |
| C. | Equipment | Rs 0.20 lakh | under first priority. |

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8.6 Department of Statistics: There are two professors three readers and four lecturers in the department. The department has at present no whole-time research scholar, though there are six part-time research scholars. The space at the disposal of the department is quite sufficient. The department also acts as a service department in so far as it delivers a few lectures in the departments of Botany, zoology and agriculture. Two lectures are delivered in the department of agriculture on the design of experiments whereas in the departments of botany and zoology, 15 to 20 lectures are delivered in the whole session on the analysis of the data. In the departmental library, there are 4400 books. The department subscribes to 19 journals out of the book grant of Rs 4,000/- which is used entirely for the subscription of the journals. For the purchase of books UGC makes ad-hoc grants. It has sufficient equipment. It gets an equipment, machine and appliances grant of Rs 8,000/- per year out of which it purchases one or two calculating machines each year. The courses which are run in the department are quite upto-date. The department has tried to keep up its standard. Out of 20 students which are admitted each year to M.Sc. course, only one or two get first class.

The applied research unit of the department should be strengthened.

The department, at present, has a paper in operation research. It may be investigated if it can co-operate with the department of applied mathematics when it starts a course in operation research.

The department admits 20 students each year. It is suggested that the number may be increased to 30. The department may also give courses in other departments, like botany, economics and the departments in the medical faculty where the courses in Statistics are needed.

The following assistance may be provided to the department of statistics:

- | | | |
|----|------------------------------|--|
| A. | Teaching Staff: 3 Lecturers | One under first and two under second priority. |
| B. | Books & Journals Rs 50,000/- | Under first priority. |
| C. | Equipment Rs 20,000/- | |

8.7 Department of Chemistry: The teaching and research work in the department is carried out in 4 broad areas of Chemistry viz. Organic Chemistry, Inorganic and Analytical Chemistry and Physical Chemistry. Inorganic Chemistry, the major thrust of work has been the Chemistry of Natural Products, including their synthesis and transformation, study of heterocyclic compounds of biological interest, Organo-metallic compounds and their application in Synthetic Organic Chemistry. In Inorganic and Analytical Chemistry, the major areas of interest have been Coordination Chemistry, Chemistry of Rare Earths, Thermodynamics, Kinetics and Mechanism of Inorganic Reactions, Structure of Inorganic Chemistry etc. In Physical Chemistry, research work has been carried out in study of Optical, Electrical and Magnetic properties of Organic and Inorganic systems, theoretical chemistry, Theory of Electrolytes and Colloid Science etc.

The department has a UGC Special Assistance Programme for Chemistry of Natural Products. During the past 10 years the department conducted 63 research schemes, supported by UGC/CSIR/ICAR, Government of India, Ministry of Health Government of West Bengal etc. and during this period research publications from the department exceeded 450 in various national and international journals of repute. The present academic positions are as follows: Professors - 4 (three of which are endowments viz. Khaira Professor, Palit Professor and Ghosh Professor); Readers - 5 (Physical, Inorganic, Organic, Inorganic/Analytical) and Lecturers - 15.

The department has one fellow, two Pool Officers, 5 research students supported by the University, 6 S.R.F. supported by agencies such as CSIR/UGC/ICAR, 3 research assistance, 31 J.R.Fs. supported by CSIR/UGC. In addition there are Honorary Research Workers in Organic (18), Inorganic (40) and Physical (19) Chemistry. The special facilities available in the department include U.V. Spectrophotometer and one I.R. Spectrophotometer which at the time of the visit was not working due to want of accessories. The micro analytical laboratory facility of the department is available to workers in the Department as well as outsiders (on a token payment basis). The workers in the department also use facilities from other institutions in India such as CTRI, Lucknow (for I.R. and N.M.R.), BARC Trombay (E.S.R.), Saha Institute (special spectro photometer), Sindri Unit of FCI (X-ray). The department allows workers from other institutions and universities in West Bengal and outside to make use of its facilities.

The department proposes to develop 4 additional areas viz. Photo Chemistry, Organo Metallic Chemistry, solid

State Chemistry and Analytical Chemistry.

The department teaches only postgraduate courses for which 80 students are admitted by the department and 30 by the Presidency College.

The department since its inception in 1916 was headed by internationally reputed scientists like Archarya P.C. Ray, Professors J.N. Mukherjee, P. Ray, J.C. Ghosh, B.N. Ghosh, to name some, who have made valuable contributions and have brought this department to its present position of being one of the best departments of Chemistry in this country.

The growth of the laboratories in the department has been somewhat haphazard due to non availability of sufficient space. The teaching has to be organised in shifts. The morning shift starts at 6.30 a.m. and continues till 10.30 a.m. This is followed by lectures from 10.30 a.m. to 1.00 p.m. for the students of the morning shift as well as the evening shift (2.00 p.m. to 6.00 p.m.). This is not a satisfactory arrangement.

The library is confined to a small room approximately 600 sq.ft. in area. The library subscribes to most of the journals of interest and has multiple copies of text-books needed for the teaching programme but due to lack of space most of these are stacked on tables. The students do not have adequate space to sit and consult books/journals.

The library is open from 10.00 a.m. to 6.00 p.m. The hours cannot be extended due to non-availability of extra staff. There is also the difficulty of subscribing to journals in time. The University finds difficulty in making advance payments with the result that journals for 1974 had not been received at the time of visit of Committee. On the other hand, this university appears to subscribe to two copies of the costly journal, 'Chemical Abstracts, separately for the Chemistry and Applied Chemistry departments on the same campus. It may consider whether it should continue to do so in view of above mentioned difficulties.

The glass blowing facilities in the department are inadequate. The department has no workshop of its own. The available facilities from other departments do not appear to be satisfactory. There is no Technical person/Electronic Engineer to look after the maintenance /replacement/repair-fabrication of small components.

The number of fellowships available to the department is not sufficient. The department gets 2 to 3 U.G.C.

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followships. The research students made a representation about the difficulties they experience in respect of non availability of equipments and insufficient contingency grants for their work. They also complained of residential accommodation since they are not admitted to the postgraduate hostels.

It is noted that Analytical Chemistry is included as a part of Inorganic Chemistry which appears to be somewhat unfair. During discussions it was pointed out that there are members on the staff who have specialised in Analytical Chemistry. In spite of this, it is neither offered as a special paper nor recognised as a section for teaching and research in the University.

The main thrust of the research work has been in the Organic Chemistry of Natural Products which is receiving Special Assistance from the UGC. This should continue to get major support out of the Fifth Plan allocations. In order that other sections also are developed, it will be desirable to have a separate allocation of funds for Inorganic and Physical Chemistry.

Among the various proposals for starting research work in additional areas, the committee felt that priority may be given to Analytical Chemistry for which the infrastructure already exists. Support should also be provided for developing other areas viz. Photochemistry, Organo Metallic Chemistry and Solid State Chemistry. Existing vacancies in the department may be filled up without delay.

The following assistance is recommended for the department of Chemistry:

Teaching Staff:

First Priority

1. Reader in Solid State Chemistry
2. TA for Organic & Inorganic Chemistry

Second Priority

1. Reader in Photo-Chemistry/Organo Metallic Chemistry
2. TA for Physical and Analytical Chemistry

Third Priority

- A. 1 Professor

B. Books & Journals

- a) Rs 1.00 lakh under first priority
- b) Rs 0.50 lakh under second priority

C) Equipment including strengthening of teaching laboratory specially in Physical and Inorganic Chemistry and Research Laboratory solvents, servicing and maintenance of equipment, glass-ware:

- a) Rs 4.50 lakhs in first priority
- b) Rs 2.50 lakhs in second priority.

D. Space - About 6,000 sq.ft.

8.8 Department of Physiology:- This department takes each year 18 students for the B.Sc. (Hons.) course and 24 students for M.Sc. The Presidency College also takes 12 students for M.Sc. The theory classes for the latter are conducted jointly whereas the practicals are conducted in individual Institutions. This department is well known for its work in the field of work physiology and Ergonomics. It may be worthwhile for this department to continue to specialise in this field rather than trying to develop new fields such as nutrition and dietetics, metabolic biochemistry, microbiology etc.

Physiology is now taught in the University College of Science, the Presidency College and Institute of Basic Medical Sciences. Similarly Biochemistry and Nutrition Research are carried out in the Institute of Basic Medical Sciences as well as in the Physiology, Zoology, Botany and Biochemistry Departments of the Ballygunge Campus. It would be desirable that the three physiology centres form a coordinating committee and plan, to the extent possible, 'core' courses and try to use to the fullest extent expertise and physical facilities available in conducting teaching and research. Similarly all departments concerned with teaching and research in biochemistry and microbiology can form a coordinating committee and plan integrated courses.

The physiology department is badly in need of space and may be sanctioned about 4,000 sq.ft. (if possible the whole of the ground floor) and Rs 4 lakhs for equipment (Rs 3.00 lakhs under first and Rs 1.00 lakh under second priorities), Rs 1.5 lakhs for books (Rs 1.00 lakh under first and Rs 0.50 lakh under second priority) and two technical assistants (one under first and one under second priority).

8.9 Department of Biochemistry and the Guha Institute of Biochemistry:- It is felt that there should be a definite understanding that the development should be planned in such a way that these two operate as a joint unit. The Vice-Chancellor assured the committee that fragmentation will be avoided in future even in other subjects and these two (as well as the Applied Mathematics Department and the Bose Institute) will operate as single units. Such a reorganisation would be in tune with the ideals and aims of the late Professor Guha who sought to develop the fields of biochemistry, nutrition and microbiology as a composite unit and tried to bring together not only the scientists in each of these disciplines but also those working in allied disciplines.

It would be desirable for this department to concentrate on Neuropharmacology, Vitamin Metabolism and Microbial metabolism.

At present this department admits 60 students for M.Sc. every year. There are 50 students working for Ph.D. In the last 5 years, 50 Ph.Ds. have come out of this department.

This department can initiate a 2 year evening course in Neurochemistry and nutrition for those who already have an M.Sc. degree and are working as teachers in colleges. This may, if necessary, be linked with the M.Phil. degree. This department can also give job oriented diploma courses in the evening for people employed in schools, colleges, industries and hospitals. Examples of such courses are industrial microbiology, clinical biochemistry, dietetics, care and maintenance of experimental animals etc.

The department can also run workshops, seminars and symposia in selected aspects of biochemistry and nutrition. If possible, it should persuade the Guha Conference Committee to hold their annual conference in the Guha Institute.

Funds may be sanctioned for building about 2,000 sq.ft. laboratory and creating the additional posts of one Professor in Nutrition under first priority, and one lecturer, and 2 technicians under second priority in addition to Rs 4.00 lakhs for equipment (Rs 3.00 lakhs under first and Rs 1.00 lakh under second priority) Rs 1.5 lakhs for books (Rs 1.00 lakh under first and Rs 0.50 lakh under second priority) and Rs 50,000/- for conducting workshop, symposia etc. under first priority.

8.10 Department of Geology:- The Committee had discussions with the members of the staff and research scholars regarding the courses that are being run, the present facilities, utilisation of

Fourth Plan grants and the requirements of the Fifth Plan period, as were presented by the department.

The Department of Geology at present is running two postgraduate courses, one leading to the M.Sc. Degree in Geology (2 years duration) and a post-M.Sc. degree of one year duration (after M.Sc. Geology) in Applied Geology. The average intake of students for the M.Sc. course is 20% per year. In addition, 10 students are admitted in the Presidency College. They come to this Department for theory classes. Apart from the staff of the department of Geology, two members of the Presidency College and one member from an undergraduate college viz., Asutosh College participate in the lecture programme for the M.Sc. students.

During the last few years, only one or two students joined the post-M.Sc. Applied Geology course. The reason for this intake was stated to be lack of availability of students with proper background. It appears that most of the students passing the M.Sc. course from this department are immediately absorbed in different professional organisations and whosoever remains joins either research or post-M.Sc. Applied Geology Course. In view of the poor intake, the Committee is of the opinion that it will be uneconomical as also unnecessary to run this post-M.Sc. Applied Geology course. Instead, the present two-year M.Sc. (Geology) course should be strengthened and reoriented more towards applied geology.

At present, there are one Professor, four Readers and four Lecturers in the department. 2 posts of Lecturers are vacant. There are also three part-time teachers (two from Presidency College and one from Asutosh College). The speciality of the Professor is Structural Geology and Petrology.

There are at present four Research Scholars working for the Ph.D. degree. Of these, three are scholars under different schemes and one is holding the University fellowship. In addition, five part-time research scholars from the Geological Survey of India also work for their Ph.D. in this department. During the last five years, 5 or 6 scholars from this department and about 10 from Presidency College got the Ph.D. degree.

The main thrust areas of the Department are stated to be (i) Structural Geology and Petrology, (ii) Igneous and Metamorphic Petrology and (iii) Micropaleontology. In addition, the Department is also interested in a minor way in Ore Geology. The department appears to have been done some studies recently in the Singhbhum mineralised belt.

The department stated that it was able to utilise the Fourth Plan grants effectively, except that the posts of three Lecturers could not be filled. It appears that selections were

held for these posts but somehow the University has not made any appointment.

The department wants to start post-M.Sc. courses in Geophysical Prospecting and Mining Geology as it has a paper in Geophysics for the M.Sc. Geology students. However, the Committee felt that since the department does not have any basic geophysical equipment, it is not desirable to start a post-M.Sc. course in Geophysical Prospecting. Similarly, the post-M.Sc. course in Mining Geology is also not recommended because of the lack of facilities in the Department.

The department wanted two more Professors and one Reader to be added to their staff. They did not however, indicate any specialisation needed for any of these posts. There is no justification for such a large number of senior posts either from the point of teaching or research. The department wants two technical assistants one for instrumentation and the other for analytical work and requires additional space for the library.

There is no special equipment in the department and most of the equipment available, are not in working condition. The Department made a request for additional items of equipment worth Rs 12.00 lakhs.

There is a departmental library which is taken care of by a librarian. 5300 books are available at present in the library and the department subscribes to 24 periodicals.

This department which was once known to be of high calibre is not maintaining that standard. It is very necessary to strengthen the Department both facultywise and instrument-wise. More than this, the Department should be encouraged to take up research and investigative work oriented towards exploration geology and economic geology taking into consideration the present problems facing the country. In the Presidency College there is adequate equipment and considerable amount of work of high calibre is being conducted but there appears to be little collaboration and co-operation between the Presidency College and the Department of Geology of the Calcutta University. No doubt two members of staff of the Presidency College teach in this department. But except for that, there is no other collaboration. Collaborative research projects of interest were never attempted. On the other hand, the Committee was told that the Presidency College is trying to create parallel facilities for conducting theory classes i.e. they would like to start separate postgraduate teaching in the College itself. This, in the opinion of the Committee, should be discouraged since it will be wastage of the resources available. Instead, a working formula should be worked out to bring the Presidency College and this

department nearer to each other at the teaching, research and investigation levels.

The Committee observed that most of the students admitted to the M.Sc. course have not taken Mathematics at their B.Sc. level. Since the modern trends in geological sciences require a minimum basic knowledge of Mathematics, the Department should encourage students who have taken Mathematics at the B.Sc. level to join the M.Sc. course in Geology. Otherwise, the postgraduates of this department will not be able to participate in the work that is at present being planned in the country in the field of Geology.

Regarding staff requirements, the Committee is of the opinion that one post of Professor may be granted under first priority. This can be in any of the thrust areas listed above except the speciality of the present Professor. In addition post of one technical assistant may be approved under second priority.

At present, there is no provision for field work expenses and since Geology is a field subject, it is necessary for the students to be trained in the field for a minimum length of time. The Committee recommends a sum of Rs 30,000/- towards field work programmes of the postgraduate students and for meeting contingency expenses during the V Plan period under first priority.

Even though the Department has listed equipment worth Rs 12.00 lakhs which they would like to obtain, they have not mentioned anything about putting the existing equipment into operation. The Committee is of the firm opinion that it is necessary to get the existing equipment repaired as a first priority under the equipment grant. In particular, the optical spectrograph needs to be immediately repaired. Possibly, some foreign exchange also may be required in this connection. A sum of Rs 50,000/- is recommended for the repair of this and other equipment. The optical spectrograph needs immediately the following requirements:

- | | | |
|----|--|-------|
| 1. | Higher Voltage source unit with Automatic Voltage Regulator. | 1 set |
| 2. | Hilger Exposure Control with Electro-magnetic Shutter. | 1 set |
| 3. | Graphite Electrode Shaper | 1 No. |
| 4. | Water-cooled fully adjustable arc and spark stand with holders for irregular samples and electrodes. | 1 set |
| 5. | Eyepiece micrometer for spectrum reading | 1 No. |

The chemical analysis laboratory of the Department is in poor shape. It is necessary to increase the facilities in the chemical analysis laboratory and a sum of Rs 25,000/- is recommended for increasing the facilities of this laboratory.

In addition, a sum of Rs 1.50 lakhs is recommended for obtaining X-ray defraction unit from indogenous sources. A vehicle for field work may also be provided.

Thus, in all the following grants are recommended:

- | | | |
|----|--|---|
| A. | Repair of existing equipment ,
increased facilities for chemical
laboratory and new equipment. | i) Rs 1.75 lakhs under
first priority.
ii) Rs 0.50 lakh under
second priority. |
| B. | Vehicle | Rs 30,000/- under first
priority. |
| C. | Books & Journals | i) Rs 1.00 lakh under
first priority.
ii) Rs 0.25 lakh under
second priority. |

8.11 Department of Psychology:- The department of Psychology of this University is the oldest in the country. But, at present it is in a bad shape. The post of Professor is lying vacant for about two years and it is not yet filled up. After the separation of Applied Psychology Department, the staff is depleted. It has acute shortage of space and the whole department is cramped in a small area. The department seems to be overcrowded due to intake of honours students. The department has an approved staff of one Professor, two Readers and six Lecturers. It has at present 2 Readers, 6 Lecturers and 2 part-time Lecturers. They have produced quite a few papers in the last five years, and some of them are of good quality in the experimental area. They have undertaken six research projects since 1970 and some of them appear to be of good quality. 16 research scholars have been working in the department since 1965 and some of them have also done excellent work. In other words, the research basis of this department seems to be quite good and they should specialise more and more in experimental and developmental psychology.

It was noticed in the course of discussion that this department is in no way linked with the Applied Psychology department. The members of the staff are not even aware of the teaching and research programmes of the Applied Psychology department. It is rather unfortunate that there is no co-ordination at the level of teaching and research between

two sister departments which should be close to each other. The Committee is of the opinion that greater collaboration and coordination should be possible between two departments and some collaborative teaching work could be undertaken by both the departments.

The Committee is of opinion that the department of Psychology should be given enough space to expand its work. The laboratory is not very well equipped. Many of the old apparatus are out of use. As the department would like to specialise in Experimental work and it has already shown enough possibility in this area, its laboratory should be properly strengthened. The Committee recommends the following:-

- 1) Staff: Reader - 1 (in experimental or developmental area) in second priority and Animal Keeper - 1 in first priority.
- 2) Books & Journals Rs 75,000/- (Rs 50,000/- in first and Rs 25,000/- in second priority).
- 3) Equipment: Rs 1.00 lakh (Rs 70,000/- in first priority, Rs 30,000/- in second priority).

8.12. Department of Applied Psychology:- This department was started in the year 1969. Only one Lecturer was appointed towards the end of 1969, and the remaining staff was appointed between 1970 to 1974. This department came into existence during the Fourth Plan period. This was not an original scheme of the University submitted to the UGC for the Fourth Plan development but during the course of Fourth Plan period, the University started this department with the approval of the UGC and with reallocation of Plan funds. There is, however, no record to show the academic basis on which this department was separated from the parent department. As a result of this, there is absolutely no coordination and cooperation between the two departments. This department wants to organise one year special preparatory course for those students who have not taken Psychology at the B.Sc. level. The Committee feels that this preparatory course could be organised in cooperation with the Department of Pure Psychology which has qualified staff for the purpose. The ideal academic arrangement would be to completely integrate both the departments so that the quality of teaching and research improves. As there is no academic justification for running the two separate departments, the Committee feels that the two departments of Psychology should be integrated during the Fifth Plan period.

The department has at present one Professor, four Readers and five Lecturers, two part-time Lecturers, one research assistant and one Psychometrician.

traditional anthropology emphasising the study of material culture, the primitive tribes, technology etc. persists and the intake of current anthropological materials continued to be at the low side. However, the revised syllabus for M.A. & M.Sc. Anthropology courses reflects some improvement and needs to be further modernised.

Of late, the department has done considerable work in the field of Social and Applied Anthropology and has produced 17 doctoral dissertations. In comparison to Social Anthropology Physical Anthropology, which was once its strong section, has shown a decline and during the last six years six researchers have been awarded Ph.D. degree in Physical Anthropology. Its third section, Palaeo-anthropology is well staffed but owing to very nature of the section, it attracts the least number of students and has produced only two doctoral dissertations.

For the present, the department is conducting both honours and postgraduate courses and the students' intake each year is 16 in Honours course and 25 in the postgraduate course. The teaching staff of this department for both honours and Postgraduate courses consist of one Professor (General Anthropology), three Readers (one Social, one Physical and one Pre-history), 6 full-time and 3 part-time Lecturers.

The department has plans to improve the existing facilities for teaching and research and to make arrangements for specialised studies in Applied and Action Anthropology. It is also planned to shift the department of Anthropology to the proposed campus for the faculty of Social Sciences.

In the light of the above facts, the following assistance is recommended for the Anthropology department:

- 1) Teaching Staff: Readers - 2 with specialisation in Applied Anthropology and Physical Anthropology (1 Reader in first and 1 Reader in second priority).
- 2) Books & Journals: i) Rs 30,000/- in first priority.
 ii) Rs 20,000/- in second priority.
- 3) Field work i) Rs 30,000/- in first priority
 equipment: ii) Rs 20,000/- in second priority.

8.14 Department of Geography: The department has at present one Professor, two Readers, nine Lecturers and one part-time Lecturer. Its students came mainly from the Arts side and they have therefore to emphasize social and cultural Geography.

The Committee discussed with the faculty, the desirability of admitting students of Mathematics and Science, who would do better

in Cartography and in soil Geography. The department has not given serious thought to this so far and it would be desirable for it to do so. The department may also try to work out joint research proposals with the Departments of Agriculture and Geology.

The Committee recommends following assistance for the Department of Geography:

/Geography

- 1) Teaching Staff: One Professor under first priority in social/
One Reader under second priority.
- 2) Technical Staff: One Technical Assistant in second priority.
- 3) Books & Journals: Rs 1 lakh (Rs 60,000/- under first priority,
Rs 40,000/- under second priority)
- 4) Equipment & Maps Rs 1 lakh under first priority
Rs 20,000/- under second priority.
- 5) Extended chassis Jeep Rs 30,000/- under first priority.
for Field Work;

9. Institute of Basic Medical Sciences:

9.1 There is a well-run and well-staffed hospital (Postgraduate Institute of Medical Education and Research) in the physical contiguity of the Postgraduate Institute of Basic Medical Sciences and this hospital/Institute too has its own departments of basic medical sciences. This Institute is administered by the Health Department of the Government of West Bengal. There is, however, no official working arrangement between these two Institutes. This has, it seems, resulted in lot of duplication in the distribution of resources. Besides, members of the staff of the Postgraduate Institute of Basic Medical Sciences, especially those belonging to Department of Pathology and Microbiology and Pharmacology, have expressed their lack of access to hospital facilities without which, it can be understood, these departments cannot work efficiently. It is interesting that these departments, all the same are imparting postgraduate training, resulting in the award of postgraduate degrees by the University. One can understand this, because the staff employed have to justify their *raison de etre*. Evidently something went aw at the planning stage of this Institute, and the stalemate continues, reducing this Institute of Basic Medical Sciences to perform its functions at a level which is even less than mediocre, and through no fault of its staff.

It is not the purpose of this report to provide any review of the inherent flaws of the basic organisational

structure of the Postgraduate Institute of Basic Medical Sciences. This will require a separate review committee and longer time of visit with appropriate terms of reference. However, since the Committee has to define priorities in the development programmes taking into account limited availability of funds, it becomes relevant to recommend that immediate steps be taken to merge the two Institutes. This matter should be taken up at the highest level on top priority basis. This will solve at least some of the problems facing the departments of Pathology, Microbiology, Biochemistry and Pharmacology which together constitute more than half the Institute of Basic Medical Sciences. If this merger is not possible on account of lack of political will, the UGC should use its good offices to convince the University of Calcutta to hand over the Institute of Basic Medical Sciences to the Government of West Bengal. It is no use sinking in, the UGC money merely for the perpetuation of mediocrity. The alternative to this recommendation is the building, equipping and staffing of a separate hospital of the standard of postgraduate medical education and research. This is a very expensive proposition, and the Committee does not recommend it.

9.2 Non-practicing Allowance:- The staff members employed by the Postgraduate Institute of Basic Medical Sciences having medical degrees do not get non-practicing allowance. Although no specific instance of any employee indulging in private practice was mentioned, it is understandable that if any employee so chooses, he can spend his time in private practice as there would be no legal or moral binding against it. No postgraduate institute of basic medical sciences can deliver the goods if the staff is not morally/legally bound to devote whole-time attention to the functions and duties required to be performed by them. There should be a provision for giving non-practising allowance to all the employees holding medical degrees and explicitly forbid private practice. The financial implication for this will be well under Rs 1.00 lakh at the current rates (30-40% of salary, not exceeding Rs 600/- p.m.) and with the existing staff strength. The research fellows and scholars are excluded from this provision.

9.3 Central Facilities:- Even after 12 years of its inception this Institute does not have central facilities such as (i) a library (ii) an animal house, (iii) an illustration unit, and (iv) a workshop for repair and maintenance. The result is that each department is diverting substantial sums and management for these facilities. Besides, some items of daily use (example- distillation plant in Pharmacology Department) which are simple enough to be repaired locally, have remained untended for a number of years on account of the lack of repair facility.

The advantages that such facilities can provide to an institute of the nature under review need emphasise. During the Fifth Plan period an adequate provision be made for providing such facilities. Financial implications will require roughly a sum of Rs 8.00 lakhs (Rs 3 lakhs under first and Rs 2.5 lakhs each in second and third priority) to be spent at once (subject to a satisfactory solution of the problems of the relation between the Institute and the Hospital discussed above) for purchase of machinery and equipment (in the total plan period), and about Rs 3.00 lakhs annually under the recurrent head to meet the salaries and contingencies. The rough calculations for the recurring expenses have been made in the following manner; and are intended to give a modest start.

A) Staff:

- 1) Library Librarian - 1, Assistants - 3 under first priority, Book-Binder - 1 under second priority and Errand Boy - 1 under third priority.
- 2) Animal House: Veterinarian - 1 under first priority and Attendants - 4 under third priority.
- 3) Illustration Unit: Photographer - 1; Dark-room Assistant - 1 and Artist - 1 under second priority.
- 4) Workshop: Glass-blower - 1, Technician (Electronics-1) Technician (Mechanical) 1 and Assistants - 1 under first priority 1 Assistant under second priority.

(B) Contingencies: Contingent expenses under each head will be required e.g., for the animal house to purchase animals, food, cleaning material, cage repair etc., for illustration unit to purchase photographic papers, films, drawing paper, inks, slide binders etc., and similarly materials for workshop. It is estimated that even if begun on a modest scale, it will amount to a total of about Rs 30,000/- under second priority.

(c) Contingencies for Library: For the library, regular expenditure will have to be incurred for purchase of books and journals. Cost of the annual subscription of standard foreign journals is anywhere between 30.50 dollars (Rs 250-400). For some good journals like Journal of Physiology, or Index Medicus etc. it is much more. A very modest estimate would be about

100-120 journals to be subscribed and about 500-800 books to be added annually. Investment on books in the beginning shall have to be more. Expenses will be required for stationery, postage, and materials for binding etc. A total grant of Rs 3.00 lakhs (Rs 2.00 lakhs under first and Rs 1.00 lakh under second priority) therefore, is recommended.

Once such facilities are provided, the existing separate provisions under these headings for each department would not exist. It also means that the items of common utility existing in each department for example journals and books, currently accumulating in separate departments should find due place in the Central Library within consultation reach of every member of the Institute.

It must be mentioned, however, that these ventures will have a better co-efficient of viability if the adjoining post-graduate Institute of Medical Education and Research and the Institute under review gets merged together thus enlarging the clientele aspiring for these facilities. Otherwise these central facilities may remain under used (for use only of 5 small departments). Therefore, it is again emphasised that sufficient political skill be employed at the earliest to achieve this purpose.

9.4 Need for an Administrative Head:- The Institute would also run better by having more coordination and better liaison at the inter-departmental level. It is advisable to create the post of a Director under third priority with an office staff or some kind of central administrative authority to ensure coordination for maximum utilisation of existing facilities as also for keeping a check on the departments becoming little kingdoms, and for optimum working of the central facilities as recommended in the report. Having such an administrative set up may cost extra money but it will be well-worth on account of the saving it will bring by better coordination in the usage of existing facilities.

9.5 Subjects of research in the IBMS ought to be narrowed down to a few areas of excellence which should be tackled in depth. Number of students should be limited so that the existing facilities are not over-stretched. The Institute could benefit from short-term appointment of eminent scientists as visiting Professors against some of the vacant posts.

9.6. Department of Anatomy: The department has requested money for equipment, major items being electron microscope, cryostat, fluorescent microscope and accessories, refrigerators, air-conditioners, calculating machine, spectro-photo-fluorimeter, for staff and for books and journals. After making a due assessment of the type of research that is being carried on and the potential of the staff, the department may be provided money for the purchase of a cryostat, a fluorescent microscope with accessories and some other items like a refrigerator, and a calculating machine etc. during the Fifth Plan. Total allocation for the plan period may not exceed a sum of Rs. 1,50,000/- (Rs. 1.00 lakh under first and Rs. 50,000/- under second priority).

9.7. Department of Biophysics & Biochemistry: There is no biophysics or biophysicist in this department as per the current understanding of what biophysics is. Therefore, the department should be renamed as the Department of Biochemistry. This department which is currently staffed by two lecturers and a number of research workers already possesses equipments like Hi meters, superspeed kymograph, deep freeze, refrigerated centrifuge Cryostat microtome, colorimeters, electrophoresis apparatus, spectrophotometers, etc. However, in the absence of the ex-Professor who was essentially a neurophysiologist and who has now left, this department clear cut thrust areas for research do not yet seem to have been marked out.

At present, there are only 3 M.D. students and 5 M.B.B.S. students studying for the Diploma in Basic Medical Sciences. The teaching and research activities seem to be at a lowebb. As these are full-time courses with no scholarship attached and no hospital facilities attached, this department as well as other departments in this Institute are not able to attract good students. It is a pity that although right next door there is a huge hospital with postgraduate research laboratories but there is no official collaboration between these two institutes. Unless such a cooperation can be established, the prospects for this department, do not seem bright.

The department of Biochemistry may be allocated Rs. 1.00 lakh for equipment under first priority and two Lecturers and two technical assistants under second priority.

9.8. Department of Pharmacology: This department too does not have a Professor. The present staff consisting of a Reader, three Lecturers and other research staff, however, seems to be quite enthusiastic in taking up research activities. The vacant job of the Professor should be filled up. It is recommended that a sum of Rs. 1.00 lakh be allocated under first priority to this department for equipment especially for a polygraph and its accessories.

9.9. Department of Pathology including Bacteriology: This department has two Readers and three Lecturers with research staff. Professor's host is vacant here too. In the absence of a hospital,

these people have been doing research work in the fields of experimental pathology. The Fifth Plan period should see the implementation of following with regard to this department:

- (i) Making two separate departments one for Pathology and the other for Microbiology (bacteriology name to be replaced by microbiology).
- (ii) integrating with the parallel departments of the post-graduate Institute of Medical Education and Research and
- (iii) filling of the vacant posts.

No recommendation for financial allocation is being made because no objective and worthwhile assessment is possible under the existing circumstances.

9.10. Department of Physiology: By and large this seems to be the only well run department of the P.G. Institute of Basic Medical Science with a Professor and Head of the Department, a Reader and four Lecturers with the usual complement of research staff. The department needs to be encouraged. However, they need to have a more precise earmarking of thrust areas of research. It is recommended that a sum of Rs. 2.00 lakhs (Rs. 1.00 lakh each in first and second priorities) be allocated to this department for equipment for the Fifth Plan period. The additional staff should be given according to the speciality areas required to be developed during this period.

9.11. Summary: The following should be the targets for the Fifth Plan period:-

- (i) Accomplish the merger of the Postgraduate Institute of Basic Medical Sciences and the Postgraduate Institute of Medical Education and Research. Create sufficient political will to achieve this end.
- (ii) Create administrative set-up which ensures coordination between departments to obtain maximal utilisation of existing facilities and to avoid under-usage of the available equipment.
- (iii) Abolish private practice of the basic medical scientists.
- (iv) Create central facilities like library, illustration unit, animal house and workshop for repair and maintenance. These facilities will be more viable and economic if the merger takes place.
- (v) Appoint an appropriate committee to review, evaluate and provide guidance for channelizing the research activities into avenues which are most relevant to national needs.

- (vi) The recommendations for the departments which will be least affected by merger, i.e. Departments of Physiology and Anatomy, are given. These are also the best of existing five departments. Some recommendations have been given for the other three departments, i.e. (i) Pathology and Bacteriology, (ii) Biochemistry (iii) Pharmacology.

None of these three departments enjoy the presence of a Professor, and their development has been stunted. This, in a way, may be of advantage when many issues stemming from negotiations of merger will come up for solution on account of the extra leg-space that becomes available to the staff employed in the P.G. Institute of Medical Education and Research. The input into these departments should be restricted till appropriate decisions about merger are made and the Professors and Heads take up positions in their respective departments.

10. Establishment of New Departments:

10.1. Department of Sociology: The University of Calcutta has been teaching Sociology (two papers) as a part of Political Science since 1911. One post of Professor in Sociology was created in 1955 with funds from a private endowment and M.A. syllabus of the subject was passed by the Academic Council in 1958. However, in view of certain difficulties a separate department of Sociology could not be established so far, and the post of Professor could not be filled up. The University of Calcutta as well as the students of Calcutta expressed their strong desire to have a separate P.G. department of Sociology on the first priority basis.

It is recommended that as Sociology is one of the basic Social Sciences, it should be sanctioned by the UGC on first priority basis. It should function in very close collaboration with the Department of Anthropology which has now strong Social Anthropology bias. Moreover, in the proposed syllabus submitted to us, it has a strong Social Anthropological bias. The Reader in Sociology currently working in the Department of Political Sciences may be transferred to the proposed Department of Sociology and the post of Professor in Sociology available with the university should be filled.

The following assistance be made available to the universities by the U.G.C. for establishing department of Sociology during Vth Plan.

1. Teaching staff: Readers -2 (one with specialisation in Social Anthropology & the other in Sociometry)
Lecturers -(2) (1 Reader and one Lecturer each in first and second priorities).

The Committee noted that the Calcutta University already has well established departments of Botany, Zoology and Biochemistry with long traditions of teaching and research and could visualize two possibilities for the development of a Life Science Centre. The Centre could either come up and flourish as a meaningful collaborative exercise between these and some other departments (such as those of Physiology and Biophysics with its Electron Microscope) or it may emerge as a totally new and separate entity with its own building, equipment, library and teaching and supporting staff.

The second of the above alternatives would amount to unnecessary duplication of the facilities and would seem to be a difficult proposition in view of meagre resources available. The Committee, therefore, actively considered the first possibility - the development of a Life Science Centre through the collaboration of various departments with a maximum utilisation of the facilities already available with them and held prolonged discussions on the question with the teachers of these departments. Should such an idea have taken a concrete shape, it would perhaps have been worthwhile to channelize some funds for its promotion. However, it appeared that the concerned departments were rather lukewarm to the idea of pooling their resources for the purpose.

In the ultimate analysis, therefore, the Committee takes the view that the present thinking of the University behind the development of the Life Science Centre is not likely to take it far. Consequently, it does not feel inclined to recommend the development proposals of this Centre in their present form. However, the committee would recommend collaborative teaching and research programmes among the departments concerned so that a more meaningful proposal for the development of a Life Science Centre may develop in due course.

10.4. Department of Oceanography & Meteorology: The Committee found no interest in this proposal during its discussion in the existing relevant departments and therefore does not recommend the starting of such a new department during the Vth Plan period in view of limitation of resources.

11. Miscellaneous Schemes:

11.1. University Printing Press: The printing press was set up in 1912. It has a total staff of 207 persons including 118 technical personnel. The machinery is mostly out-dated and out-moded. The total value of the types in use is estimated to be Rs. 5.00 lakhs. The annual turnover is about Rs. 10.00 lakhs. The press has printed a number of standard books, research works and text-books. Every year, about 15000 to 20000 copies each of 10 to 12 title are printed.

The University has proposed extension of the building and purchase of machinery in its Fifth Plan development proposals. The Committee was rather disappointed to note that the press has not been organised on a commercial basis and is said to be running at a loss. The press had an income of about Rs. 3.50 lakhs per year during 1971-72 to 1973-74 whereas its expenditure has been about Rs. 13.00 lakhs per year of which about Rs. 10.5 lakhs is spent on payment of salary etc. to the staff. It is not understood how the Press is running at a loss since the entire examination work is being undertaken by the press and a large number of copies of the books are also brought out every year. In case the cost of printing has gone up owing to the out-dated machines, the University should have replaced these machines either by ploughing back the profits or by utilising the depreciation fund. The Committee was informed that the depreciation fund has been used for paying the salaries of the staff. The Committee was not happy at this situation. The Press has not been properly managed and accounts have not been maintained. The annual balance-sheets were not available. In view of this situation as well as in the absence of annual balance-sheets indicating the profit and loss position, the Committee does not feel inclined to recommend any assistance for the Press.

The Committee would, however, like to suggest that the press budget and financial transactions should be separately recorded and attempts should be made to register the Calcutta University Press as the Private Limited Co., under the Company Act, 1956 so as to provide functional autonomy to enable it to run on sound lines. This form of organisation has recently been adopted by most of the university presses in Western World like, Claradon Press (Oxford University), Rottardown Press etc. This will enable the press to pay incentives and other bonus to its workers and will bring the press within the framework of industrial legislation for providing various social security benefits to the workers. The share capital of the press may be provided by the Calcutta University and attempts should also be made to get quality participation and loans from State agencies, like West Bengal Industrial Reconstruction Corporation, the State Finance Corporation, the various nationalised banks functioning in the State. The Calcutta University will not have to pay for the share capital as it may be allotted shares in lieu of the revalued price of the present building, plant and machinery and other estates. Organising press as a Private Limited Co., will also enable it to attend to the business of printing and publishing of material from outside sources and thus earn reasonable profits for contributing dividend to the University's share capital and for ploughing back retained earnings for modernisation and expansion of the press. Since almost all share capital of the press will be owned by the Calcutta University, it will have the right to appoint the Directors and through them the staff. It will continue to have full control over the affairs of the press through the board of Directors and as such the present position of the University will not in any way be compromised under the firm organisation.

upper

11.2. Central Laboratory: In each campus (namely Ballygunge and/Circular road campus and Basic Medical Sciences campus (subject to resolution of problems discussed earlier) there should be a central instrumentation laboratory which will be in charge of all equipment which cost more than one lakh. This laboratory may be under the charge of an instrumentation technologist in the grade of a Reader/Professor with three technicians to assist him. These posts may be approved under second priority. This section may be given a contingency grant of Rs. 15,000/- per year. This section can give a course in Instrumentation technology to all M.Sc. students, maintain all the costly equipment so that the students can go there and use them and also get departmental instruments such as colorimeter, pH meter etc. repaired. A grant of Rs. 25.00 lakh (Rs. 15.00 lakh under second and Rs. 10.00 lakh under third priorities) for equipment including accessories for electron Microscope of Biophysics group which is to be treated as part of the Central Instrumental facility.

11.3. Animal House. For students taking subjects such as biology psychology biochemistry and home science, animal experimentation and/or study of animal behaviour should be part of the curriculum. To cater to these departments, an animal house can be established with a senior person in charge. This may again be an independent section with the status of a department. It should be possible for this section to run appropriate courses for students from home science, psychology, zoology and biochemistry. This section can take the responsibility to breed animals and supply them accordingly to specification to the different departments. An amount of Rs.1.00 lakh (Rs. 75,000/- in first and Rs. 25,000/- in second priority) and the post of Animal Keeper under first priority may be sanctioned for Animal House.

11.4. Central Workshop: It would be desirable to set up a central workshop for the whole University consisting of electrical, mechanical and refrigeration divisions as well as glass blowing section. Rs. 2.5 lakhs for equipment, Rs.10,000/- for contingencies, Rs. 1.00 lakh for shed under first priority and four posts of Mechanics including Supervisor (two under first and two under second priority) may be approved for the Central Workshop.

11.5. Central Library: The Central Library of the University which was established in 1937 is housed in a 10 storied building with a floor area of 80,000 sq.ft. (gross) distributed on 10 floors. Three lakhs books are available in the Central Library and have been stacked in 50,000^Ssq.ft. of shelves in five stack floors covering an area of about 36,000 sq.ft. of floor area. The library has three reading halls for 700 students which occupy an area of 22,000 sq.ft. The library remains open for 13 hours (7.00 A.M. to 10.00 P.M.) on working days and six hours (11.00 A.M. to 5.00 P.M.) on Sundays. The library is subscribing to 601 journals in Science and Technology and 410 in Humanities and Social Sciences. The budget estimates of the university for 1975-76 indicate an expenditure of Rs. 8.91 lakhs on the library. In 1973-74, the University spent Rs.2.14 lakhs on

books and Rs. 2.79 lakhs on journals. The library staff includes one Librarian, one Deputy Librarian, four Assistant Librarians and 128 Technicians and other staff. This does not include 13 posts of technical staff which are lying vacant. The post of Librarian has also/ been lying vacant for long and the Deputy Librarian is officiating as Librarian since June, 1970. The library has four divisions, the Acquisition Division has at present a staff of 8, processing of books division, 16, Circulation and Public Relation Division -55 and Administration Division-49.

The Fifth Plan proposal of the University for the development of the Central Library includes air-conditioning of at least one floor, reprographic facilities, vacuum cleaners, establishment of binding unit and additional posts of one Deputy Librarian, 8 Assistant Librarians, two Cataloguers and three technical assistants.

It would be desirable to include students's representatives in the library committee. Each campus should have a common library Hall where a reasonable number of copies of standard text-books, major references in each subject and journals such as chemical abstracts are kept. Each department should be allotted a separate book grant and instructed that it should order two copies of important books and references, one for the central library Hall and the other for the departmental library.

The central library should be opened from morning 8.00 A.M. to 10.00 P.M. It should also have ancillary facilities. The Committee recommends a grant of Rs. 35.00 lakhs for books and journals for Central Library and Libraries on different campus (Rs. 15.00 lakhs under first and Rs. 10.00 lakhs each under second and third priorities) and Rs. 20,000/- for equipment under first priority including Xerox Machine. for Central Library. The University should also take immediate steps to fill up the post of Librarian and 13 posts of technical staff.

11.6. Extension of Science Block: The University in its development plans has proposed vertical extension of the Science Block building at 35 Ballygunge Circular Road. It proposes to add two floors on the existing eastern block on an area of 17,600 sq.ft. , the total estimated cost of which including installation of lift would be about Rs. 32.00 lakhs. The University has also proposed horizontal extension of the other science buildings at 92 Acharya Prafulla Chandra Road. It proposes to have a five floor additional building at the site of the Hydro-dynamic laboratory on an area of 39,000 sq.ft. at a total cost of Rs. 15.00 lakhs. The Committee realises the need for providing additional space to the science departments some of which are very much cramped. The Committee, therefore, recommends that the proposal of the University for the extension of the two science buildings may be accepted and assistance on usual sharing basis be provided to the University by the Commission. The total estimated cost would be about Rs. 47.00 lakhs. The UGC may provide Rs. 15.00 lakhs under first and Rs. 8.50 lakhs under second priority.

11.7. Extension of Humanities/Social Science Buildings: The University has proposed horizontal extension of the education department building at 95 S.P.M. Road. The University proposes to construct a basement for 4 storeyes with foundation for another six storeyes. The approximate built up area for basement and four storeyes would be about 8,500 sq.ft. and the cost is estimated to be about Rs. 12.00 lakhs. The University has also proposed both horizontal and vertical extension of the Ancient History and Archaeology department building at Hazara Road. It proposes to add one floor to the existing three floors of the building on an area of 4,600 sq.ft. at an estimated cost of Rs. 6.00 lakhs and construction of a four storeyed building on the adjacent vacant land with stronger foundation to take another four storeyes at a later stage at a total cost of Rs. 20.00 lakhs. The Committee recommends that the proposal of the University be accepted and the Commission may provide assistance for this purpose on usual sharing basis. The total estimated cost would be about Rs. 38.00 lakhs. The UGC may provide Rs. 9.50 lakhs each under first and second priorities.

11.8. Teacher's Quarters: The University has proposed construction of 32 quarters for teaching staff at CIT Plot at Maniktala. The University proposes to have two blocks of four storeyed building having an area of 2,367 sq.ft. in each floor and consisting of two three room flats in each floor. In addition, the University proposes to have another two blocks of four storeyed building having an area of 2054 sq.ft. in each floor and consisting of two room flats in each floor. The University would have to provide common service like construction of roads, sewers, tubewells and lighting arrangements for the teacher's hostel. The entire project is estimated to cost Rs.30.00 lakhs. The Committee feels that residential quarters for teaching staff are needed to attract persons from other states. The Committee, therefore, recommends that the UGC may provide assistance for construction of 32 staff quarters on usual sharing basis and recommends a grant of Rs. 8.00 lakhs under first and Rs. 7.00 lakhs under second priority as UGC Share.

11.9. Student's Hostel: The University has 11 men's hostels and 5 women's hostels which can accommodate 1127 male students and 301 female students. 623 seats in men's hostel and 245 seats in women's hostel are earmarked for postgraduate students while the rest are intended for undergraduate students. The University does not have any hostel specifically for research students. The research scholars in their meeting with the Committee stressed the need for providing a hostel exclusively for them. The hostel facilities available for postgraduate students should also be made available to research scholars. In case the University finds it difficult to provide residential accommodation to research scholars, the University may explore the possibility of establishing one more hostel for students and the UGC may provide assistance on usual sharing basis for this purpose if funds are available. The total estimated cost may be about Rs. 8.00 lakhs. The UGC may provide Rs.4.00 lakhs as its share under second priority.

11.10. Sports Complex: The University has proposed establishment of sports complex at a total cost of Rs. 10.00 lakhs. The Committee feels that in view of the other important programmes which the university proposes to introduce for development of academic activities, the proposal for sports complex could be formulated and considered under student welfare or any other similar programme outside the Fifth Plan allocation.

11.11. Fellowships: Many departments complained about insufficient funds available for research fellowships. It may be desirable to allot 50 junior fellowships at an estimated cost of Rs. 10.00 lakhs. In this connection, many research students complained that there is a difference in the fellowship amount given by the UGC and the University. It would be desirable to have a uniformity. If the University does not have enough funds, they can reduce the number of fellowships offered instead of paying lower amounts.

11.12. Faculty Improvement: For the improvement of the Faculty, the Committee recommends that an amount of Rs. 5.00 lakhs may be provided to the University (Rs. 2.00 lakhs each in first and second priority and Rs. 1.00 lakh in third priority).

11.13. Visiting Faculty: Almost all the departments have special teaching and research programmes to execute and would like to invite experts/specialists as visiting professors on short-term basis. The Committee supports the idea, especially in those subjects/specialisations in which suitable persons are not available for appointment on a permanent basis. The Committee recommends that a provision of Rs. 5.00 lakhs may be approved for the purpose (Rs. 1.00 lakh under first and Rs. 2.00 lakhs each in second and third priorities).

11.14. Publication of Research Works: A number of teachers in various departments are interested in getting their research works published and require financial assistance for this purpose. The Committee recommends that an amount of Rs. 1.00 lakh each in second and third priorities may be approved for the purpose.

11.15. Use of out-station research facilities: Every year, a number of teachers and research students, especially those doing research in science subjects, have to go to other centres for getting their research results analysed. An amount of Rs. 50,000/- is recommended for this purpose under first priority.

11.16. Extension Lectures, Seminars, Exchange Programme etc: The Committee recommends that an amount of Rs. 1.00 lakh each in first, second and third priorities may be provided to the University for organising extension lectures, seminars etc.

12. Financial Implications:

A summary of the financial implications of the recommendations made by the Committee under three Priorities is given below (The figures are in lakhs of Rupees and represent UGC share. The ceiling of assistance for Calcutta University is Rs. 3.00 lakhs).

S.No.	Item	First Priority	Second Priority	Third Priority.	Total
1.	Spill over	22.09	-	-	22.09
2.	Scheme approved in Fifth Plan before Committee's visit.	3.25	-	-	3.25
3.	Books & Journals.*	35.60	16.80	10.00	62.40
4.	Equipment.*	39.70	29.05	12.50	81.25
5.	Building & Furniture.	32.60	29.00	-	61.60
6.	Other schemes.	9.70	6.30	5.00	21.00
7.	Research Fellowships.	10.00	-	-	10.00
8.	Staff.	24.00	25.40	2.95	52.35
Total:		176.94	106.55	30.45	313.94

* (The amount includes basic grants of Rs. 7.00 lakhs for books and Rs.10.5 lakhs for equipment already approved during the Fifth Plan Period). Departmentwise details of grants recommended for books, equipment, building and other items are given in Annexure V & VI and of teaching and other staff in Annexure-VII.

13. The Visiting Committee is grateful to the Vice-Chancellor, Registrar, and other University Authorities for providing all facilities to the members of the Committee at the time of their visit to the Calcutta University.

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Calcutta University

ANNEXURE-I.

Statement showing the results
of the M.A., M.Sc., & M.Com.
Examinations from 1968 to 1972.

M.A.

<u>S.No.</u>		<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>
	Registered	183	160	157	109	76
	Appeared	138	132	115	83	90
1.	<u>Ancient Indian History & Culture.</u>	111 102	211 97	511 74	411 50	111 3
	1st Class					
	2nd Class	101	95	69	46	37
	Percentage	73.9%	73.5%	64.3%	60.2%	76.0%
	Registered	-	-	1	-	-
	Appeared	-	-	1	-	-
2.	<u>Anthropology.</u>			1		
	1st Class	-	-	1	-	-
	2nd Class	-	-	1	-	-
	Percentage	-	-	100%	-	-
	Registered	8	3	1	1	-
	Appeared	8	3	1	1	-
3.	<u>Applied Mathematics.</u>	11 5	11 13	-	- 1	-
	1st Class					
	2nd Class	4	2	-	1	-
	Percentage	62.5%	100%	-	100%	-

contd.....2

<u>S.No.</u>		<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>
	Registered	5	5	9	8	3
	Appeared	5	5	9	7	3
4.	<u>Arabic</u>					
	1st Class	1/5	2/5	3/6	1/7	1/3
	2nd Class	5/5	3/5	3/6	6/7	3/3
	Percentage	100%	100%	66.7%	100%	100%
	Registered	15	11	15	10	7
	Appeared	14	11	10	9	7
5.	<u>Archaeology</u>					
	1st Class	0/13	0/7	1/10	1/6	1/6
	2nd Class	13/13	7/7	9/10	5/6	5/6
	Percentage	92.9%	63.6%	100%	66.6%	85.7%
	Registered	1401	1530	1464	1313	1155
	Appeared	1114	1259	1164	948	836
6.	<u>Bengali</u>					
	1st Class	2/571	0/830	2/856	1/315	1/443
	2nd Class	569/571	830/830	854/856	314/315	436/443
	Percentage	51.3%	65.9%	73.5%	33.2%	52.3%
	Registered	1	1	1	-	-
	Appeared	1	1	1	-	-
7.	<u>Botany</u>					
	1st Class	0/0	0/1	0/1	-	-
	2nd Class	0/0	1/1	1/1	-	-
	Percentage	-	100%	100%	-	-

contd...3

<u>S.No.</u>		<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>
8.	<u>Comparative Philology.</u>					
	Registered	20	20	16	20	20
	Appeared	16	18	14	15	14
	1st Class	1/9	1/14	1/13	4/13	1/9
	2nd Class	9/9	13/14	13/13	9/13	8/9
	Percentage	56.3%	77.8%	92.9%	86.7%	64.3%
9.	<u>Education</u>					
	Registered	38	27	34	39	42
	Appeared	35	23	30	33	34
	1st Class	2/33	3/23	1/30	3/30	3/29
	2nd Class	31/33	20/23	29/30	27/30	26/29
	Percentage	94.3%	100%	100%	90.9%	85.3%
10.	<u>English</u>					
	Registered	1380	1428	1392	1292	1062
	Appeared	820	1030	899	833	722
	1st Class	4/352	0/497	1/361	1/306	1/311
	2nd Class	348/352	497/497	361/361	305/306	311/311
	Percentage	42.9%	48.3%	40.2%	36.7%	43.7%
11.	<u>Economics</u>					
	Registered	252	247	212	181	213
	Appeared	171	218	176	136	109
	1st Class	3/94	8/157	9/139	4/82	2/58
	2nd Class	91/94	149/157	130/139	78/82	56/58
	Percentage	55.0%	72.0%	79.0%	60.3%	53.2%

Ontd...4

<u>S.No.</u>		<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>
	Registered	3	2	5	2	4
	Appeared	2	1	4	2	4
12. <u>French</u>	1st Class	1 ¹ / ₂	- ¹ / ₁	- ¹ / ₃	1 ¹ / ₂	- ¹ / ₄
	2nd Class	1 ¹ / ₂	1 ¹ / ₁	3 ¹ / ₃	1 ¹ / ₀	4 ¹ / ₀
	Percentage	100%	100%	75.0%	100%	100%
	Registered	64	75	70	60	67
	Appeared	62	70	64	58	66
13. <u>Geography</u>	1st Class	10 ¹ / ₅₆	11 ¹ / ₆₈	17 ¹ / ₆₄	11 ¹ / ₅₈	15 ¹ / ₆₄
	2nd Class	46 ¹ / ₀	57 ¹ / ₀	47 ¹ / ₀	47 ¹ / ₀	49 ¹ / ₀
	Percentage	90.3%	97.1%	100%	100%	97.0%
	Registered	1675	1532	1279	901	492
	Appeared	1128	1166	906	585	342
14. <u>History</u>	1st Class	2 ¹ / ₄₃₃	3 ¹ / ₄₅₅	1 ¹ / ₃₆₇	3 ¹ / ₂₁₃	5 ¹ / ₁₇
	2nd Class	431 ¹ / ₀	452 ¹ / ₀	366 ¹ / ₀	210 ¹ / ₀	166 ¹ / ₀
	Percentage	38.4%	39.0%	40.5%	36.4%	50.0%
	Registered	83	86	103	69	71
	Appeared	54	78	64	56	53
15. <u>Hindi</u>	1st Class	1 ¹ / ₄₁	4 ¹ / ₆₅	3 ¹ / ₆₀	3 ¹ / ₅₁	3 ¹ / ₄₉
	2nd Class	40 ¹ / ₀	61 ¹ / ₀	57 ¹ / ₀	48 ¹ / ₀	46 ¹ / ₀
	Percentage	75.9%	83.3%	93.8%	91.1%	92.5%

<u>No.</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>	
	Registered	685	588	747	801	416
	Appeared	481	585	575	527	257
6. <u>Islamic History & Culture.</u>	1st Class	21391	21420	1442	1261	1116
	2nd Class	389	418	442	261	116
	Percentage	80.8%	71.8%	76.9%	49.5%	45.1%
	Registered	-	-	-	32	26
	Appeared	-	-	-	30	24
7. <u>Journalism</u>	1st Class	-	-	-	130	123
	2nd Class	-	-	-	30	23
	Percentage	-	-	-	100%	95.8%
	Registered	-	-	-	-	4
	Appeared	-	-	-	-	3
18. <u>Museology</u>	1st Class	-	-	-	-	112
	2nd Class	-	-	-	-	11
	Percentage	-	-	-	-	66.7%
	Registered	10	12	11	12	8
	Appeared	9	10	9	8	6
19. <u>pali</u>	1st Class	218	3110	317	318	214
	2nd Class	6	7	4	5	2
	Percentage	88.9%	100%	77.8%	100%	66.7%

cont d....6

<u>S.No.</u>		<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>
	Registered	15	10	10	7	7
	Appeared	8	5	8	6	7
20.	<u>Persian</u>					
	1st Class	6 18	2 05	5 08	1 06	1 07
	2nd Class	2	3	3	5	6
	Percentage	100%	100%	100%	100%	100%
	Registered	1207	1288	864	1160	790
	Appeared	634	933	642	778	597
21.	<u>Political Science</u>					
	1st Class	7 250	3 679	- 441	2 313	1 164
	2nd Class	243	676	441	311	163
	Percentage	39.4%	72.8%	68.7%	40.2%	27.4%
	Registered	345	381	385	315	260
	Appeared	269	328	330	248	212
22.	<u>Philosophy</u>					
	1st Class	1 158	- 204	2 232	- 149	2 137
	2nd Class	157	204	230	149	135
	Percentage	58.7%	62.2%	70.3%	60.1%	64.6%
	Registered	17	14	26	16	10
	Appeared	16	14	26	16	10
23.	<u>Psychology</u>					
	1st Class	3 15	1 14	2 25	2 15	- 10
	2nd Class	12	13	23	13	10
	Percentage	93.8%	100%	96.2%	93.8%	100%

contd....7

No.		1968	1969	1970	1971	1972
4. <u>Pure Mathematics</u>	Registered	33	25	25	35	4
	Appeared	23	23	17	21	4
	1st Class	11 13	13 20	7 16	3 17	1 4
	2nd Class	12	7	9	14	3
	Percentage	56.5%	87.0%	94.1%	81.0%	100%
5. <u>Sanskrit</u>	Registered	232	247	279	221	208
	Appeared	179	214	221	174	165
	1st Class	101 96	170 145	101 155	101 109	50 90
	2nd Class	86	128	145	99	85
	Percentage	53.6%	67.8%	69.2%	62.6%	54.6%
6. <u>Statistics</u>	Registered	-	-	1	7	-
	Appeared	-	-	1	7	-
	1st Class	-	-	1	1	-
	2nd Class	-	-	1	1	-
	Percentage	-	-	100%	14.3%	-
7. <u>Urdu</u>	Registered	21	29	19	17	26
	Appeared	19	26	15	15	19
	1st Class	8 19	6 25	4 15	5 14	5 19
	2nd Class	11	19	11	9	14
	Percentage	100%	96.2%	100%	93.3%	100%

contd..... 8

M.Sc.

<u>S.No.</u>		<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>
1.	<u>Anthropology</u>					
	Registered	19	17	19	22	1
	Appeared	12	16	19	22	1
	1st Class	- 10	7 15	5 19	2 20	- 1
	2nd Class	10	8	14	18	1
	Percentage	83.3%	93.8%	100%	91%	100%
2.	<u>Applied Mathematics</u>					
	Registered	46	52	29	26	18
	Appeared	46	46	29	26	18
	1st Class	9 24	5 39	9 24	8 26	6 17
	2nd Class	15	34	15	18	11
	Percentage	52.2%	84.8%	82.8%	100%	94.4%
3.	<u>Applied Psychology</u>					
	Registered	-	10	10	4	12
	Appeared	-	9	10	4	12
	1st Class	- -	2 8	2 10	1 4	1 12
	2nd Class	-	6	8	3	11
	Percentage	.	88.9%	100%	100%	100%
4.	<u>Bio-Chemistry</u>					
	Registered	27	51	60	49	56
	Appeared	27	51	60	49	56
	1st Class	17 27	40 51	23 60	28 47	20 47
	2nd Class	10	11	37	19	27
	Percentage	100%	100%	100%	95.9%	83.9%

<u>S.No.</u>		<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>
	Registered	40	65	59	59	125
	Appeared	40	65	59	53	125
5.	<u>Botany.</u>					
	1st Class	8 138	12 62	13 57	9 51	20 125
	2nd Class	30	50	44	42	105
	Percentage	95.0%	95.3%	96.6%	96.2%	100%
	Registered	7	11	9	9	12
	Appeared	6	9	9	8	12
6.	<u>Education</u>					
	1st Class	1 16	3 19	2 9	- 8	1 17
	2nd Class	5	6	7	8	6
	Percentage	100%	100%	100%	100%	58.3%
	Registered	4	-	1	3	1
	Appeared	4	-	1	2	1
7.	<u>Geography</u>					
	1st Class	1 4	- -	- 1	- 2	1 1
	2nd Class	3	-	1	2	-
	Percentage	100%	-	100%	100%	100%
	Registered	19	31	29	36	33
	Appeared	17	30	29	36	33
8.	<u>Geology</u>					
	1st Class	6 16	13 30	21 28	8 31	6 30
	2nd Class	20	17	7	23	24
	Percentage	94.1%	100%	96.5%	86.1%	90.9%

contd...10

<u>s.No.</u>		<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>
	Registered	-	-	-	-	7
	Appeared	-	-	-	-	7
9.	<u>Miscology</u>					
	1st Class	-	-	-	-	30 27
	2nd Class	-	-	-	-	41
	Percentage	-	-	-	-	100%
	Registered	78	85	92	72	79
	Appeared	74	77	80	68	76
10.	<u>Physics</u>					
	1st Class	17 56	11 52	40 78	23 44	24 61
	2nd Class	39	41	38	21	37
	Percentage	75.7%	67.5%	97.5%	79.8%	80.2%
	Registered	31	33	39	29	31
	Appeared	31	32	39	29	31
11.	<u>Physiology</u>					
	1st Class	7 31	6 31	7 39	2 29	10 31
	2nd Class	24	25	32	27	21
	Percentage	100%	96.9%	100%	100%	100%
12.						
	Registered	25	20	16	8	11
	Appeared	24	19	16	8	10
12.	<u>Psychology</u>					
	1st Class	2 19	- 15	- 16	- 4	- 9
	2nd Class	17	15	16	4	9
	Percentage	79.2%	78.9%	100%	50%	90%

contd...11

S.No.		1968	1969	1970	1971	1972
13. <u>Pure Chemistry</u>	Registered	57	96	91	97	16
	Appeared	56	93	91	95	14
	1st Class	20	29	47	36	2
	2nd Class	33	61	39	54	7
	Percentage	94.6%	96.8%	94.5%	94.7%	64.3%
14. <u>Pure Mathematics</u>	Registered	382	474	192	690	214
	Appeared	261	376	184	416	206
	1st Class	11	158	124	49	18
	2nd Class	46	152	53	268	131
	Percentage	21.8%	82.4%	96.2%	76.2%	72.3%
15. <u>Statistics</u>	Registered	33	29	10	24	15
	Appeared	29	26	10	23	15
	1st Class	-	1	2	-	3
	2nd Class	10	9	6	9	8
	Percentage	34.5%	38.5%	80%	39.1%	73.3%
16. <u>Zoology</u>	Registered	26	26	27	27	41
	Appeared	26	26	27	27	41
	1st Class	9	14	20	19	23
	2nd Class	15	12	7	7	18
	Percentage	92.3%	100%	100%	96.3%	100%

<u>S.No.</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>
Registered	3250	2774	2432	1677	1438
Appeared	1660	1738	1809	1239	1078
1. <u>M.Com.</u>					
1st class	81	111	71	71	11
	666	1195	1345	537	630
2nd class	658	1184	1338	537	629
Percentage	40.1%	66.5%	68.3%	43.3%	58.4%

C. I. J. U. T. UNIVERSITY
BUDGET AT A GLANCE
PART I (NON-PLAN)
GENERAL FUND

Closing balances of the previous years

1970-71 (Actuals) (-) 30,14,774	1971-72 (Actuals) (-) 54,24,062	1972-73 (Actuals) (-) 70,16,585	1973-74 (Actuals) (-) 93,60,798
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REVISED ESTIMATES FOR 1974-75 AND ESTIMATES FOR 1975-76

RECEIPTS		EXPENSES				SURPLUS (+) OR DEFICIT (-)				
Estimates 1974-75	Revised 1974-75	Estimates 1975-76	Estimates 1974-75	Revised 1974-75	Estimates 1975-76	Opening Balance, Actuals 1974-75	Year's Balance Revised Estimates 1974-75	Closing Balance Revised Estimates 1974-75	Year's Balance Estimates 1975-76	Closing Balance, Estimates 1975-76
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
107,100	2,71,53,900	2,89,90,900	3,22,93,000	3,17,90,300	3,67,21,100	(-) 93,60,798	(-) 46,33,400	(-) 1,39,94,198	(-) 77,30,300	(-) 2,17,24,000

-2-

STATEMENT SHOWING CONSOLIDATED POSITION OF ALL THE FUNDS, 1975-76

(FIGURES IN THOUSANDS)

	Part I Non-Plan General Funds	Part II Plan UGC Schemes	Part III Non-Uni- versity Schemes and Scholar ships	Part IV Law College	Part V Under Graduate Hostels.	Part VI Ikirh B.P.High School	Part VII Debts and Deposits	Part VIII Professor- ships from outside Grants	Part IX Earmarked Special Funds	Part X Endowment and Trust Funds	Total
	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs	Rs
Opening Balance	(-)139,94	(+)1,50	(+)29,07	(+)7,45	(-)9,65	(-)3,14	(+)30,20	(+)0,80	(+) 5,05	(+)32,99	(-)45,87
Receipts	289,91	23,03	65,69	8,80	1,14	1,79	38,50	1,40	52,72	15,96	498,94
Total	149,97	24,53	94,76	16,25	(-) 8,51	(-)1,35	68,70	2,20	57,77	48,95	453,07
Expenses	367,21	20,55	68,81	10,31	2,01	0,75	38,50	1,65	52,01	17,26	579,14
Closing Balance	(-)217,24	(+)3,98	(+)25,95	(+)5,86	(-)10,52	(-)2,30	(+)30,20	(+)0,55	(+) 5,76	(+) 31,69	(-)126,07

ARUN RAY,
Pro-Vice-Chancellor For
Business Affairs and Finance

SLK

Duplicate

Statement indicating the total strength of teaching staff approved so far in each department by the University/State Government, UGC and other Sources, Staff in position as on 15th September, 1975 and the number of teaching posts lying vacant at Calcutta University.

No.	Department	Strength of staff approved by Univ/State Govt., UGC etc.			Staff in position as on 15.9.75.			Posts lying vacant on 15th September '75.		
		P	R	L	P	R	L	P	R	L
<u>SCIENCE</u>										
	Pure Physics	4	5	12	4	5	12	-	-	-
	Pure Chemistry	5	6	18	4	5	15	1	1	3
	Physiology	1	3	8	-	3*	8*	1	-	-
	Applied Mathematics	3	5	4	2	5	3*	1	-	1
	Psychology	1	2	6	-	2	6*	1	-	-
	Applied Psychology	1	4	7	1	4	5	-	-	2
	Anthropology	1	3	6	1	3	6	-	-	-
	Geology	1	4	6	1	4	4*	-	-	2
	Botany	2	4	11	2	4	11*	-	-	-
0.	Pure Mathematics	2	4	8	1	4	5	1	-	3
1.	Geography	1	3	9	1	2	9	-	1	-
2.	Statistics	2	3	4	1	3	4	1	-	-
3.	Bio-chemistry	2	3	9	2	3	9	-	-	-
4.	Zoology	2	3	7	2	3	6	-	-	1
	Total for Science:	28	52	115	22	50	103	6	2	12

S.No.	Department	Strength of staff approved by Univ/State Govt., UGC etc.			staff in position as on 15.9.75.			Posts lying vacant on 15th September '75.		
		P	R	L	P	R	L	P	R	L

BASIC MEDICAL SCIENCES

1.	Anatomy	1	1	4	1	-	4*	-	1	-
2.	Pharmacology	1	1	3	-	1	3	1	-	-
3.	Physiology	1	1	4	1	1*	4*	-	-	-
4.	Bio-chemistry	-	-	3	-	-	3	-	-	-
5.	Pathology	-	2	3	-	2	3	-	-	-
	Total for Basic Medical Sciences.	3	5	17	2	4	17	1	1	-

HUMANITIES

1.	Economics	4	5	5	3	4*	5	1	1	-
2.	Education	1	3	7	-	3	6	1	-	1
3.	English	1	3	8	-	3	8*	1	-	-
4.	Modern Indian Languages									
	a) Bengali	3	3	8	3	3	7*	-	-	1
	b) Urdu	-	-	2	-	-	2	-	-	-
5.	Sanskrit	1	4	6	1	3	4	-	1	2
6.	Pali	1	1	3	1	-	3	-	1	-
7.	Hindi	-	1	3	-	1*	3*	-	-	-
8.	Arabic & Persian	1	2	4	-	2	3	1	-	1
9.	Languages (French)	-	-	1	-	-	1	-	-	-

No.	Department	Strength of staff approved by Univ./ State Govt., UGC etc.			Staff in position as on 15.9.75.			Posts lying vacant on 15th September '75.		
		P	R	L	P	R	L	P	R	L
0.	Comparative Philology.	1	2	5	-	2	5*	1	-	-
1..	Political Science	2	2	4	1	2	4	1	-	-
2.	Philosophy	1	3	8	1	1	8	-	2	-
3.	History	2	3	5	2	3	4	-	-	1
4.	Islamic History & Culture.	1	2	4	-	2	2*	1	-	2
5.	Ancient Indian History & Culture.	2	3	5	1	2	5	1	1	-
6.	Archaeology	1	1	3	1	-	3	-	1	-
7.	Museology	-	1	3	-	1	2*	-	-	1
8.	Library Science (M.Lib. Science)	-	-	4	-	-	3*	-	-	1
9.	Commerce	1	5	17	1	4	16*	-	1	1
10.	Journalism	All Part-timers.								
11	Law	1	2	part-timers	-	2	-	1	-	Part-timers
Total for Humanities.		<u>24</u>	<u>46</u>	<u>105</u>	<u>15</u>	<u>38</u>	<u>94</u>	<u>9</u>	<u>8</u>	<u>11</u>
Grand Total: -----		55	103	237	39	92	214	16	11	23

* Indicates incumbent to one post (in case of Applied Mathematics and Comparative Philology two posts) upgraded under Personal Promotion Scheme.

Senate House,
Calcutta-12.

1st October, 1975.

sd/-
(A.K.Mitra)
Development & Planning Officer
University of Calcutta.

Annexure IV

CALCUTTA UNIVERSITY - SPILLOVER STATEMENT

Srl No.	Sanction letter No.	Date	Name of the Scheme	Total Approx. Cost	U.G.C. Share	Grants paid upto 31.3.74	Spillover to V Plan.
1	2	3	4	5	6	7	8
1.	F.18-9/55(S)	9.4.56	Construction of building Deptt. of Botany, Zoology & Anthropology.	Rs.6,00,000	Rs. 4,00,000.	Rs. 3,97,500	Rs. 2,500
2.	F.19-5/57(S)	1.7.58	Construction of laboratory for the department of Geology.	4,80,000	3,20,000	2,70,000	50,000
3.	F.4-10/58(S)	19.1.59	Construction of Multi-Storeyed Science Building	16,73,000	11,15,333	11,10,000	5,333
4.	F.122-10/59(S)	14.8.59	Construction of building for the department of Bio-Chemistry.	4,94,000	3,32,666	3,30,000	2,666
5.	F.21-4/67(S)	27.4.67	Construction of Animal house for the deptt. of Bio-Chemistry	45,000	45,000	30,000	15,000
6.	F.22-6/54 (H)	31.8.55	Strengthening the deptt. of Economics.	9,00,000	5,59,269	5,50,000	9,269
7.	F.11-19/69(S I)	23.9.72	Additions & Alterations in the deptt of Botany	25,000	25,000	20,000	5,000
8.	F.21-26/71(S I)	24.3.72	Construction of Glass House and extension of Pot Culture House.	84,183	84,183	20,000	64,183
9.	F.11-8/70(S II)	25.7.70	Construction of Animal House for the deptt. of Zoology.	40,000	40,000	30,000	10,000

1	2	3	4	5	6	7	8
10.	F.60-17/60(CU)I)	24.7.62	Construction of a Women's Hostel at 53/2/4A Hazara Road Calcutta.	4,57,426	3,43,070	2,73,000	70,070
11.	F.14-13/69(SA-I)	12.6.69	Improvement of existing hostel facilities.	19,500	19,500	18,500	1,000
12.	F.42-55/61(G-III)	20.3.53	Construction of Post graduate students Hostel.	9,20,000	4,60,000	4,34,669	25,331
13.	F.22-62/54(H)	4.7.60	Construction of library building	28,63,300	19,08,866	15,40,000	3,68,866
14.	F.22-62/54(H)	29.9.66	Purchase of library furniture	5,72,660	3,81,773	3,70,000	11,773
15.	F.13-1/67(CDN)	27.4.67	Construction of a Guest House	3,00,000	1,00,000	40,000	60,000 *
<p>* The total University Grants Commission share is Rs. 2,50,000 (The remaining Rs.1,50,000/- is included under Centenary Scheme. The total grant paid so far far Rs. 1,50,000 (Rs. 40,000/- under this head & Rs. 1,00,000/- under Centenary grant).</p>							
16.	F.46/61(H)	6.6.62	Improvement of the existing Press	2,06,000	1,37,333	89,000	48,333
17.	F.22-33/61(S)/T	5.2.72	Construction of two additional floors in the Institute of Basic Medical Sciences.	11,50,000	11,50,000	4,00,000	7,50,000

1	2	3	4	5	6	7	8
18.	F.2-30/67(H-I)	7.6.73	Phonetics laboratory for the deptt. of Philosophy.	33,000	33,000	10,000	23,000
19.	F.2-30/67(H-I)	12.10.73	Purchase of Moscal 1400 Desk Calculator for Commerce Deptt.	8,473.50	8,473.50	7,000/-	1,473.50
20.	F.2-30/67(H-I)	5.2.74	Purchase of equipment for Economics Department.	16,944	16,944	15,000	1,944
21.	F.11-6/67(Sc.I)	26.7.68	Research Scheme in the field of Human career.	50,000(N.R.) 1,20,000(R)	50,000 1,20,000	10,000 30,000	40,000 90,000
22.	F.11-21/68(Sc.II)	3.10.68	Purchase of furniture for the department of Pure Mathematics.	2,000 2,000	2,000 2,000	1,500 5,000	0,500 0
23.	F.11-2/70(Sc.II)	6.5.68	Purchase of equipment for the department of Education.	10,000	10,000	5,000	5,000
24.	F.7-15/70(H-I)	16.2.74	Purchase of photo copier for the Central library.	15,563.95	15,563.95	-	15,563.95
25.	F.9-1/14/67(CD)	30.1.71	Salary of staff for various Humanities Deptts.	7,69,141.92	7,69,141.92	7,50,000	19,141.92
26.	do	do	Salary of staff for various Science Deptts.	12,07,811.44	12,07,811.44	7,50,000	4,57,811.44
27.	do	do	Salary of staff for Central library	1,30,991.34	65,495.67	60,000	5,495.67
28.	F.20-22/69(CDn)	21.2.70	Salary of the development officer.	59,652.43	59,652.43	57,000	2,652.43

1	2	3	4	5	6	7	8
29.	F.11-18/69 (S II)	5.11.69	Field work in the Deptt. of Anthropology.	20,000	20,000	15,000	15,000
30.	F.11-18/69 (S II)	26.3.70	Field work in the Deptt. of Geography.	20,000	20,000	15,000	5,000
31.	F.27-8/70 (Sc.I)	15.7.71	Life Science Centre	54,922.83	54,922.83	45,000	9,922.83
32.	F.4-23/68(H-II)	20.3.70	Community Development & Panchyati Raj.	22,700	22,700	20,000	2,700
33.	-	-	Purchase of equipment for the Department of App. Mathematics.	20,000	20,000	10,000	- The balance lapsed with th end of IVth Plan.
34.	-	-	Purchase of Scientific equipment for the Deptt. of Geology.	1,33,333	1,33,333	80,000	- do
35.	-	-	Purchase of Scientific equipment for various service Deptts.	19,75,000	19,75,000	15,29,990	- do
36.	-	-	Purchase of library books & Journals for Science & Humanities Deptts.	8,01,436	8,01,436	6,30,000	- do
37.	-	-	Purchase of library books and Journals Teachers Training	30,000	30,000	20,000	- do
38.	-	-	Construction of a Students hall.	5,86,400	2,84,435	2,70,000	14,435
				1,69,17,439.41	1,31,41,902.74	1,02,43,159.00	22,08,964.74
				<u>Spill over</u>			

CALCUTTA UNIVERSITY

ANNEXURE-V

Grants recommended by the Visiting Committee for books & Journals and Equipment during the Fifth Plan period, under First, Second and Third Priorities. All figures are in lakhs of Rupees and represent UGC share. The amount includes the basic grants of Rs.7 lakhs for books and Rs.10.5 lakhs for equipment already approved by the Commission during the Fifth Plan Period.

S. No.	Department	Books & Journals				Equipment			
		I	II	III	Total	I	II	III	Total
1.	English	0.30	-	-	0.30	0.20	-	-	0.20
2.	Urdu	0.10	-	-	0.10	-	-	-	-
3.	Bengali	0.30	-	-	0.30	-	-	-	-
4.	Hindi	0.30	-	-	0.30	-	-	-	-
5.	Arabic/Persian	0.10	-	-	0.10	-	-	-	-
6.	Sanskrit	0.30	-	-	0.30	-	-	-	-
7.	Pali	0.05	-	-	0.05	-	-	-	-
8.	Philology	0.30	-	-	0.30	0.30	-	-	0.30
9.	Foreign Languages	0.50	-	-	0.50	-	-	-	-
10.	Library Science	0.30	-	-	0.30	-	-	-	-
11.	Education	0.50	0.25	-	0.75	-	-	-	-
12.	Economics	0.50	-	-	0.50	-	-	-	-
13.	History	0.50	-	-	0.50	-	-	-	-
14.	Ancient Indian History	0.30	-	-	0.30	-	-	-	-
15.	Islamic History & Culture	0.30	-	-	0.30	-	-	-	-
16.	Archaeology	0.30	-	-	0.30	-	-	-	-
17.	Museology	0.25	-	-	0.25	-	-	-	-
18.	Philosophy	0.40	-	-	0.40	-	-	-	-
19.	Political Science	0.40	-	-	0.40	-	-	-	-

20. Commerce	0.75	0.25	-	1.00	0.10	-	-	0.10
21. Law	0.40	-	-	0.40	-	-	-	-
22. Botany	1.00	0.50	-	1.50	2.00	0.50	-	2.50
23. Zoology	1.00	0.50	-	1.50	3.50	1.25	-	4.75
24. Physics	1.00	0.50	-	1.50	5.00	1.00	-	6.00
25. Applied Mathematics	0.30	0.20	-	0.50	0.75	0.25	-	1.00
26. Pure Mathematics	0.75	0.75	-	1.50	0.20	-	-	0.20
27. Statistics	0.50	-	-	0.50	0.20	-	-	0.20
28. Chemistry	1.00	0.50	-	1.50	4.50	2.50	-	7.00
29. Physiology	1.00	0.50	-	1.50	3.00	1.00	-	4.00
30. Bio-chemistry	1.00	0.50	-	1.50	3.00	1.00	-	4.00
31. Geology	1.00	0.25	-	1.25	1.75	0.50	-	2.25
32. Pure Psychology	0.50	0.25	-	0.75	0.70	0.30	-	1.00
33. Applied Psychology	0.50	0.25	-	0.75	0.70	0.30	-	1.00
34. Anthropology	0.30	0.20	-	0.50	0.30	0.20	-	0.50
35. Geography	0.60	0.40	-	1.00	1.00	0.20	-	1.20
36. Institute of Basic Medical Sciences. (Central facility)	2.00	1.00	-	3.00	3.00	2.50	2.50	8.00
37. Anatomy (IBMS)	-	-	-	-	1.00	0.50	-	1.50
38. Bio-chemistry (IBMS)	-	-	-	-	1.00	-	-	1.00
39. Pharmacology (IBMS)	-	-	-	-	1.00	-	-	1.00
40. Physiology (IBMS)	-	-	-	-	1.00	1.00	-	2.00
41. Sociology (New Department)	0.50	-	-	0.50	0.20	0.10	-	0.30
42. Food & Nutrition (New Courses)	0.50	-	-	0.50	0.75	0.25	-	1.00

*

43. Central Instrumentation Labs.	-	-	-	-	-	15.45	10.00	25.45
44. Central Animal House	-	-	-	-	0.75	0.25	-	1.00
45. Central Workshop	-	-	-	-	3.60+	-	-	3.60
46. Central Library & Campus Librarians.	15.00	10.00	10.00	35.00	0.20	-	-	0.20
Total:	35.60	16.80	10.00	62.40	39.70	29.05	12.50	31.25

* This includes Rs.45,000/- for contingencies during V Plan.

+ Including Rs.1.00 lakh for shed.

CALCUTTA UNIVERSITY

ANNEXURE - VI

Grants recommended by the Visiting Committee for building/furniture and Miscellaneous items during the Fifth Plan period. The figures are in lakhs of Rupees and represent UGC share.

S. No.	Department/ Item	Building/ Furniture				Miscellaneous Items			
		I	II	III	Total	I	II	III	Total
1	2	3	4	5	6	7	8	9	10
1.	English					0.25	**	-	0.25
2.	Economics					0.10	\$	-	0.10
3.	Archaeology					0.20*	-	-	0.20
4.	Museology					0.75 [£]	-	-	0.75
5.	Botany					@2.00	-	-	2.00
6.	Applied Mathematics					0.50	***	-	0.50
7.	Bio-Chemistry					0.50	****	-	0.50
8.	Geology					***0.60	-	-	0.60
9.	Geography					@0.30	-	-	0.30
10.	Institute of Basic Medical Sciences.					-	0.30	?	0.30
11.	Sociology	0.10	-	-	0.10	-	-	-	0.10
12.	Extension of Science Buildings	15.00	8.50	-	23.50				
13.	Extension of Humani- ties/Social Sciences Buildings.	9.50	9.50	-	19.00				
14.	Staff Qrs. for teachers	8.00	7.00	-	15.00				
15.	Students' Hostels	-	4.00	-	4.00				
16.	Faculty Improvement Programme.					2.00	2.00	1.00	5.00
17.	Visiting Faculty					1.00	2.00	2.00	5.00
18.	Publication of Research work.						1.00	1.00	2.00

1 2 3 4 5 6 7 8 1

19. Publication of Research Work									
						1.00	1.00		2.00
20. Use of out- station Research Facilities.						0.50	-	-	0.50
21. Seminars, Workshops, etc.						1.00	1.00	1.00	3.00
Total:	32.60	29.00	-	61.90	9.70	6.30	5.00		21.00
									For contin- gencies.

** Seminar & workshops, Symposia, etc.

* Field work

* Excavation & Field trips

& Field work = Rs. 30,000/- & M.A./M.Sc. Scholarship Rs. 45,000/-

*** For Green House & Cold room

@ Rs. 30,000/- for F.W. & contingencies - Rs. 30,000 for Jeep
For Jeep.

CALCUTTA UNIVERSITY

Teaching and other staff recommended by the Visiting Committee for various Departments during the Fifth Plan Period under First, Second and Third Priorities.

No.	Department	First Priority				Second Priority				Third Priority				Remarks
		P	R	L	O	P	R	L	O	P	R	L	O	
		3	4	5	6	7	8	9	10	11	12	13	14	15
1.	English	-	1	-	-	-	-	2	-	-	-	-	-	-
2.	Urdu	-	1	-	-	-	-	-	-	-	-	-	-	-
3.	Bengali	-	1	-	-	-	-	-	-	-	-	-	-	-
4.	Hindi	-	1	-	-	-	-	-	-	-	-	-	-	-
5.	Sanskrit	-	-	1	-	-	-	2	-	-	-	-	-	-
6.	Foreign Language	-	-	2	-	-	-	2	-	-	-	-	-	-
7.	Education	-	1	-	-	-	-	2	-	-	-	-	-	-
8.	Economics	-	1	-	-	1	1	-	-	-	-	-	-	-
9.	History	1	-	1	-	-	2	-	-	-	-	-	-	-
10.	Museology	-	1	-	-	1	-	-	2	-	-	-	-	-
11.	Philosophy	-	-	1	-	-	-	-	-	-	-	-	-	-
12.	Political Science	-	1	1	-	-	1	1	-	-	-	-	-	-
13.	Commerce	1	1	-	-	-	3	-	-	-	-	-	-	-
14.	Law	-	1	-	-	-	1	2	-	-	-	-	-	-
15.	Botany	-	1	-	1	1	1	-	2	-	-	-	-	-
16.	Zoology	-	2	-	3	1	1	2	-	-	-	-	-	-
17.	Physics	-	2	-	-	-	1	-	-	-	-	-	-	-
18.	Applied	-	-	-	-	-	-	-	-	-	-	-	-	-
19.	Mathematics	1	1	1	-	-	1	1	-	-	-	-	-	-
20.	Pure Mathematics	-	1	-	-	-	1	1	-	-	-	1	-	-
21.	Statistics	-	-	1	-	-	-	2	-	-	-	-	-	-
22.	Chemistry	-	1	-	2	-	1	-	2	1	-	-	-	-

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
22. Physiology	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-
23. Bio-Chemistry	1	-	-	-	-	-	-	-	1	2	-	-	-	-	-
24. Geology	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-
25. Pure Psychology	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-
26. Applied Psychology	-	-	-	-	2	-	1	-	-	-	-	-	-	-	-
27. Anthropology	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-
28. Geography	1	-	-	-	-	-	1	-	-	1	-	-	-	-	-
29. Institute of Basic Medical Sciences (Central Facility)	-	-	-	-	9	-	-	-	-	5	1	-	-	5	-
30. Bio-Chemistry (IBMS)	2	-	-	-	-	-	-	-	2	2	-	-	-	-	-
31. Sociology	-	1	1	-	-	-	1	1	-	-	-	-	-	-	-
32. Food & Nutrition	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-
33. Central Laboratory	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-
34. Animal House	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
35. Central Workshop	-	-	-	-	2	-	-	-	-	2	-	-	-	-	-
	6	20	10		22		4	19	20	24			1	5	

Note: P - Professor(s)
 R - Reader (s)
 L - Lecturer (s)
 O - Technical and other staff.