

Jadavpur University

ANNUAL REPORT

(FROM 1st APRIL, 1958 TO 31st MARCH, 1959)

NOT TO BE LENT OUT



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JADAVPUR UNIVERSITY

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This Report on the working of the University during the period Ist April, 1958, to 31st Marh, 1959, is drawn up to comply with the provision of Rule 54 of the Jadavpur University Rules.

MEMBERS OF THE UNIVERSITY :

A list of members of the University is given in Appendix 'A'

ANNUAL REPORT 1958-59
CORRECTION SLIP

APPENDIX E - PAGE 45

UNDER MECHANICAL ENGINEERING

From Serial No. 7 to Serial No. 70 - to be read
as FIRST CLASS (In order of merit) instead of
FIRST CLASS WITH HONOURS (In order of
Merit)

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15/7.9.1960.

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ADMINISTRATION :

Financial Adviser—The term of Sri Tarak Nath Bhattacharyya as Financial Adviser of the University was extended for a further period of one year with effect from 1. 11. 58.

BUILDINGS :

The second floor of the University library building was completed. The construction of the ground and first floor of the Civil Engineering building, of the Hydraulics building and of the Arts and Science College buildings were completed and equipped. The construction of the second floor on top of the Civil Engineering building to accommodate the Tele-Communication Engineering Department was taken in hand. More over the construction of a new building mainly to accommodate the Physics laboratories and additional class rooms for the Engineering students and of another new building to accommodate the N. C. C. Engineers, Signals and Air Squadron units was under taken. The existing Mechanical Engineering workshop was remodelled and major repairs were carried out in the Blue-earth workshop with a special grant sanctioned by the University Grants Commission.

DONATIONS :

The University received the following donations, endowment and gift during the period under report :—

Donations—

1. Sri Nibaran Chandra Chakraborty of the Commilla Optic House, 256-A, Bow bazar Street, donated the sum of Rs. 15,000/- for the award of monthly stipends to be named "ANUSHILAN SAMITY COMMEMORATION STIPENDS" for poor and meritorious students in the Faculty of Engineering & Technology.

2. Sri Sudhir Kumar Nandan donated the sum of Rs. 5,000/- to be utilised for "AID" to students studying in the Faculty of Engineering.

Endowment—

Sri Jitendra Nath Bose made an endowment of two Insurance Policies of the total assured sum of Rs. 1,00,000/-. It has since been decided, that pending maturity of the endowed Insurance, Sri Bose will hand over to the Jadavpur University the sum of Rs. 3,000/- per annum for the maintenance of the post of Research Scholar to be known as "Sm. Pankajini Bose Research Scholar" for doing research in Nuclear Physics in the service of humanity.

Gift—

Sri K. S. Mitra, Jt. Secretary, Home Department, Government of West Bengal, made a gift of a Working Model Railway Equipment.

TEACHERS :

There were 253 (including 15 part-time) teachers on the staff of the University of whom 243 were men and 10 women. There were 102 in the Faculty of Engineering, 80 in the Faculty of Science and 71 in the Faculty of Arts. The distribution among the different cadres and Departments is given in Appendix 'B'.

The following teachers continued as Professors of their respective subjects in the Faculties of Arts and Science :

Prof. Ganesh Chandra Basu, M. A. (Dacca)	...	Bengali
Prof. Buddhadeva Bose, M. A. (Dacca)	...	Comparative Literature
Dr. Sadananda Bhaduri, M. A., Ph. D. (Cal.)	...	Sanskrit
Prof. Panchanan Chakrabarty, M. A. (Cal.)	...	Economics
Prof. Prafulla Kumar Guha, M. A. (Cal.)	...	English
Prof. Susobhan Chandra Sarkar, M. A.		
	(Cal-et-Oxon)	... History
Prof. Gopinath Bhattacharyya, M. A. (Cal.)		
	P. R. S.	... Philosophy
Dr. Prithwis Chandra Chakravarti		
	M. A. (Dacca), Ph. D. (Lond.)	... International Relations
Dr. Bibhutibhusan Sen, D. Sc., F. N. I.	...	Mathematics
Dr. Shyamadas Chatterjee, D. Sc., F. N. I.	...	Physics
Dr. Sachindra Nath Mukherjee, D. Sc.	...	Physical Chemistry
Dr. Anil Kumar Majumdar, D. Sc.	...	Inorganic Chemistry.
Dr. Bidyut Kamal Bhattacharyya, D. Sc.	...	Organic Chemistry
Dr. Sivasunder Deb, Dr.-es-Sc. (Paris) F. N. I.	...	Geological Sciences

The following teachers continued as Professors-in-charge of the Departments in the Faculty of Engineering and Technology :

Sri Hem Chandra Guha, B. Sc. (Edin), Mem.		
	A. I. E. E. (U. S. A.), M. I. E. E. ...	Electrical Engineering
Dr. Tuhin Kumar Roy, M. Sc. (Cal.), S. M.	(M. I. T.) M. A. I. CH. E., A. M. I.	
	I. CH. E.	... Chemical Engineering
Dr. Jnan Saran Chatterjee, M. Sc. (Cal),		
	D. Phil. DIP. M. C., A.M. BRITT, I.R.E. ...	Tele-Communication Engineering
Sri Kuranamoy Ray, B. Sc (Cal), B. Sc. (Hons.)		
	(ENGG.) (LOND.) M. I. STRUCT. E.,	
	A. M. I. C. E. (LOND), M. I. E. (IND.) ...	Civil Engineering

The following teachers were granted study leave or an extension thereof during the period under report :—

ELECTRICAL ENGINEERING :

Sri Gopal Chandra De, Lecturer, was allowed leave on deputation for a period of 2 years with effect from 2. 1. 58. on being awarded a scholarship offered by the German Democratic Republic (East-Germany).

Sri Manmatha Kumar Das, Lecturer, was granted an extension of study leave for a period of 1 year with effect from 4 4.58 to 3.4.59. to work for his Doctorate Degree in Engineering on High Voltage Technique in the University of Karlsruhe, West-Germany.

Sri Gobinda Prosad Purkayastha, Lecturer, who had been on study leave at the Michigan State College, U.S.A. to take the Master's degree in Electrical Engineering, rejoined his post on 1st July 1958 after completion of his study leave.

MECHANICAL ENGINEERING :

Sri Bijan Kumar Roy, Assistant Professor, was granted leave on deputation for a period of 2 years with effect from 21.8.58, on being awarded a Scholarship by the German Democratic Republic. Sri Roy had proceeded to Oresden for higher studies.

Sri Amiya Kumar De, Assistant Professor, on being awarded a T. C. M. Scholarship had proceeded to Illinois for higher studies. Sri De had been granted leave on deputation for 1 year with effect from 1.9.58

Sri Krishna Chandra Chatterjee, Lecturer, who was on study leave to work for the Master's degree in Mechanical Engineering at the Oregon State College was granted an extension of study leave from 1. 9. 57 to 29. 6. 58. Sri Chatterjee rejoined his post on 30.6.58 after completion of his study leave,

Sri Sachindra Narayan Bhaduri, Lecturer, was granted an extension of study leave for 1 year with effect from 2.9.57. in connection with his research work on "Mechanical Design" at the State University of Iowa.

Sri Benoyendra Chanda who was granted extension of leave to take the Ph. D. (Civil Engineering) degree of the State University of Colorado rejoined his post on 30.6.58. after completion of his study leave.

Sri Jyotish Chandra Sarkar, Lecturer, who was granted leave to undergo industrial training in West Germany, England and Switzerland rejoined his post on 16.8.58. on completion of his training.

CHEMICAL ENGINEERING :

Dr. Tuhin Kumar Roy, Professor-in-charge of the Department, who had gone to U. S. A. as a full-time consultant to Freeport Sulphur Company for helping in the design of 'Nickel Refinery' rejoined his post on September, 1958 after 2 years' leave of absence.

Dr. Bimalendu Ghosh, Professor, was granted an extension of study leave from 9. 12. 58. to 30. 6. 59. in order to enable him to complete his work at the Laboratories of National Research Council of Canada.

Sri Aditya Prosad Sinha, Lecturer, was granted 1 year's extension of leave on deputation with effect from 12. 12. 58 to continue his studies at the Chemical Engineering Institute in Moscow.

PHYSICS :

Dr. S. N. Sen, Reader, on completion of his work at the Pennsylvania State University on the study of fine structure of Infrared absorption spectra of Carbonyl sulphide, returned from U. S. A.

ORGANIC CHEMISTRY :

Dr. A. Chatterjee, Lecturer, was granted study leave for 1 year with effect from 1st. August 1958, without pay on being offered a post-Doctoral Fellowship in the Department of Chemistry, Brown University, U. S. A.

Following are the activities of the teachers of this University during the period under report :

MECHANICAL ENGINEERING :

1. Prof. G. C. Sen was deputed to represent the University as a member of the Central Board for Workers' Education, West Bengal, under the Ministry of Labour & Employment.

2. Prof. M. Sen Gupta was deputed to represent the University as a member of the Employment Advisory Committee under the Directorate of National Employment Service, West Bengal.

3. Prof. B. Mukherjee was deputed to represent the University as a member of Selection Committee of the Directorate of State Transport, West Bengal.

CIVIL ENGINEERING :

The undermentioned teachers of the Department joined the following professional institutes :—

- | | | | | |
|-------------------------|-----|------------------------|-----|---------|
| 1. Prof. P. Som, | ... | A. M. Am. Soc. C.E. | ... | Elected |
| 2. Prof. A. Mitra | ... | A. M. I. E. (Ind.) | ... | Elected |
| 3. Sri Bhola Nath Ghosh | ... | M. Soc. C. E. (France) | ... | Elected |

Sri N. Chowdhury, Lecturer, in collaboration with Shri D. Aich Bhowmick won a Gold Medal for the All India Housing Exhibition for design of houses for Middle Income Group in the hot humid region which was also highly appreciated by the Prime Minister of India.

PHYSICS :

Dr. S. D. Chatterjee has been elected a member of the Royal Institution, Great Britain.

GEOLOGICAL SCIENCES :

Dr. W. D. West, Sc. D. (Cantab), F. N. I., Head of the Department of Applied Geology, Saugar University, Sri S. N. Srivastava, M.Sc., Asstt. Professor of Applied Geology of the Saugar University came to study the modern technique of Ore-microscopy and its industrial applications in the Department of Geological Sciences. Sri G. Y. Rasul, a lecturer of the Aligarh Muslim University also worked on the Ore-Microscopic characters of the Shivarajpur Manganese Ore. Requests came from various Indian Universities for the training of their research scholars on ore-microscopic methods at this University.

HISTORY :

Prof. S. C. Sarkar Head of the Department of History represented the University at the Historical Records Commission Meeting at Trivandrum in December, 1958. He joined the History Congress Session at Trivandrum which was also attended by Dr. B. K. Majumdar, Dr. S. K. Maiti and others.

ENGLISH :

Prof. P. K. Guha, Head of the Department of English, was invited to attend the All India English Teachers' Conference at Madras. The conference unanimously elected him as the President of its next session at

Baroda. It is gratifying to note that this is the first time that the distinction came to Bengal and further that the Faculty of Arts of this University received All-India recognition.

The following teachers added to their qualifications by obtaining the degree of Doctor of Philosophy (Calcutta University) during the period under report :

1. Dr. Amareswar Chatterjee—Lecturer in Organic Chemistry
2. Dr. Sailaja Kumar Bhattacharyya—Lecturer in Philosophy
3. Dr. Sitanath Goswami—Lecturer in Sanskrit

RETIREMENT :

Dr. Satish Chandra Bhattacharyya retired from the post of Professor-in-charge of the Department of Mechanical Engineering and was reappointed as a Professor in the Department for one further session.

Dr. Sushil Kumar De, Professor of Bengali and Chairman of the Faculty of Arts retired and Sri Ganesh Chandra Basu was appointed Professor and Head of the Department of Bengali in his place.

Sri Amartya Kumar Sen, Professor of Economics resigned and in his place Prof. Panchanan Chakrabarty was appointed as the Professor and Head of the Department of Economics.

Dr. Roderick Marshall, Guest Professor, in the Department of Comparative Literature and Prof. J. G. Holm, Guest Professor in the Department of Electrical Engineering left the University on the completion of their terms. Dr. Ruth Widmayer was appointed for one year as Guest Lecturer through the United States Education Foundation in the Department of International Relations.

The following Professors were appointed in the different Departments :

- | | | |
|--|-----|------------------------------------|
| 1. Sri Jyotsna Kumar Chowdhury, M.Sc. (Cal),
M.Sc. Tech. (Manch), Mem. S I.T. (Lond). | ... | Electrical Engineering |
| 2. Sri Sailesh Chandra Das Gupta,
B.E.E., A.M I.E.E. (Lond.) | ... | do |
| 3. Sri Dilip Kumar Dutt, B.Sc. (Cal),
B.Ch. E., M.S. (Carnegie), A.M.I.I.Ch.E. | ... | Chemical Engineering |
| 4. Sri Panchanan Kundu, M.Sc. (Cal),
DIP. COMM. ENGG. (Chemsford) | ... | Tele-Communication
Engineering. |
| 5. Sri Panchanan Chakrabarty, M.A. (Cal) ... | ... | Economics, |

RESEARCH :

During the period under report, research work on various subjects and problems was carried on in the different departments of the University. 17 new research schemes were sanctioned by the Council of Scientific and Industrial Reserach. The guidance of the research scheme on the "Import Implications on Economic Development" sponsored by the Planning Commission in 1957 was entrusted to Dr. Hrishikesh Banerjee, Reader of Economics, on the resignation of Prof. Amartya Kumar Sen. A list of subjects and papers published is given in Appendix 'C',

VISITING LECTURERS & EXTENSION LECTURERS :

Visiting lecturers during the session 1958-59 :

Name	No. of Lectures	Subject
1. Dr. M. Dutta, Chief Engineer, State Electricity Board, West Bengal.	10 5	Hydro Electric Generation. Power Supply Tariffs
2. A. N. Sen Gupta, Calcutta Electric Supply Corpon.	10	Steam Power Generation.
3. Sri R. B. Rao, Manager, Britannia Biscuits Co. Ltd.		Bakery Technology.
4. Sri V. R. Khedkar	30	Mineral Concession Rules and Geological prospecting Methods.
5. Prof. S. K. Bose	30	Mine Surveying and Mining Methods.
6. Prof. P. N. Mukherjee	30	Vertebrate Palaeontology and Tertiary Geology.
7. Prof. Dr. S. K. Banerjee	30	Exploration Physics.

COURSES OF STUDY :

Certain minor changes were effected in the B.A. & B.Sc. courses. In the M.A. courses in Bengali, International Relations, History, English and Economics changes were introduced in the syllabi to take effect from 1961.

The name of the Department of International Affairs was changed to that of 'International Relations'.

During the session 1958-59 Language Classes in French, Russian and German were started outside the working hours for students of all the Faculties.

ADMISSION :

A large number of applications were received for admission into the different courses of study as shown in the following table.

Course	No. of applications	No. of students admitted
Preparatory :		
Science ...	250	95
Arts ...	54	37
Degree :		
Arts ...	40	21
Science ...	220	7
Engineering ...	7923	370
Post-graduate :		
Arts ...	978	198
Science ...	581	53
Engineering ...	20	20

Subject-wise break up is given in Appendix 'D'.

Recognition :

The University recognised degrees and examinations of other Universities and bodies as follows :

EXAMINATIONS

1. French "Baccalaureat" Degree.

2. The Bachelor's degrees in Arts and Science, the Master's degrees in Arts and Science, the Bachelor's degrees in Civil, Mechanical and Electrical Engineering and the Ph. D. degrees in Arts Science and Engineering of the Maharaja Sayajirao University of Baroda.

EQUIVALENT OF

Intermediate Examination of other Indian Universities/Boards of Secondary Examinations.

Corresponding degrees of the Jadavpur University on a reciprocal basis.

EXAMINATIONS

3. M.A. B.A., Ph. D., M.Sc., B.Sc., Ph. D., B.Sc. (Engg) Electrical B.Sc. (Engg) Mechanical, B.Sc. (Chemical) and M.Sc. (Chemical) of Agra University.

4. (i) High School Examination.

(ii) Higher Secondary Examination

(a) Optional : Group I Humanities.

Group II

(b) Physics, Chemistry and Mathematics

(iii) Intermediate Arts Examination —

and

(iv) Intermediate Science Examination (with Physics, Chemistry and Mathematics) as optional subjects conducted by the Board of Secondary Education, Rajasthan

5. B.A., M.A., B.Sc., M.Sc, and Bachelor of Engineering of Sardar Vallabhbhai Vidyapith, Bombay.

6. 1st year B. Sc, Examination (with Physics, Chemistry and Mathematics) of Delhi University.

EQUIVALENT OF

Corresponding degree of the Jadavpur University on a reciprocal basis.

School final Examination of the Board of Secondary Education, West Bengal, Matriculation Examination of Indian Universities and Statutory boards or their equivalent.

Preparatory Arts Examination of Jadavpur university

Preparatory Science Examination of Jadavpur University

Intermediate Arts Examinations of Indian Universities

B. Sc. Preliminary examination of Jadavpur University

Corresponding degrees and Examination of this University.

Intermediate in Science Examination of other Indian Universities for purposes of admission into the under-graduate Engineering courses of this University provided a student passed that examination with Physics, Chemistry and Mathematics

EXAMINATIONS

7. Secondary School Certificate Examination of Mahakoshal Board of Secondary Education, Jabalpur.
8. B.A., B.Sc., B.E. (Hons.) M.A., M.Sc. Ph. D., D. Litt. D.Sc. of Jabalpur University.

EQUIVALENT OF

School Final Examination of the Board of Secondary Education, West Bengal.

Corresponding degrees and examinations of Jadavpur University.

The following Research Institutions were recognised by the University for the purpose of registration of students for the Doctorate degrees of the University :—

1. Indian Association for the Cultivation of Science
2. Indian Institute of Science, Bangalore,
3. Sanskrit College, Calcutta.

Textual editing of manuscript records was accepted by the University as equivalent of thesis for the award of Doctorate degrees.

During the period under report the following number of candidates were registered for the Ph. D. degree in the different Faculties :

Arts	...	13
Science	...	9
Engineering and Technology	...	1

EXAMINATIONS :

The following were the number of students who appeared and passed in the different examinations of the University :

		Pre-University		Bachelor's degree		Master's degree		Total
		Boys	Girls	Boys	Girls	Boys	Girls	
Arts	{ Appeared	10	18	1	Nil	33	32	94
	{ Passed	9	18	1	Nil	30	31	89
Science	{ Appeared	80	Nil	—	—	23	4	107
	{ Passed	71	Nil	—	—	23	4	98
Engi- neering	{ Appeared	—	—	234	—	9	—	243
	{ Passed	—	—	223	—	6	—	229

post-graduate—5 students were placed in the 1st class and 1 in the 2nd class in Engineering.

16 students were placed in the 1st class and 11 in the 2nd class in Science.

4 students were placed in the 1st class and 57 in the 2nd class in Arts.

Degree : 113 students were placed in the 1st class and 27 in the 2nd class in the Final Engineering examination. 20 students passed with Honours.

1 Student was placed in 2nd Class in B. A. Final Examination.

In the Engineering supplementary examination in all 74 appeared and 63 passed 27 were placed in the 1st class and 36 in the 2nd class.

The names of students who passed the different examinations are given in Appendix "E". The award of medals is given in Appendix "F".

STUDENTS ON ROLLS :

The number of students in the University rose from 1,737 (1,572 boys and 165 girls) to 2,140 (1,894 boys and 246 girls). Of these there were 139 students in the Pre-University Preparatory classes, 1,538 in the undergraduate classes and 463 in the post-graduate classes. Of these the Faculty-wise break up was as follows :

		Pre-University	Undergraduate	Post-graduate
		Boys—Girls	Boys—Girls	Boys—Girls
Arts	...	20 — 17	37 — 37	181 — 167
Science	...	102 — Nil	182 — 10	94 — 4
Engineering & Technology	...	— —	1,261 — 11	17 — Nil

The distribution among the different courses and classes is given in Appendix "G".

Note : The degree courses in Arts and Science are of 3 years' duration and of Post-graduate courses are of 2 years'. The degree courses in Engineering are of 4 years' duration and of Post-graduate of 1 year.

There were 10 foreign students in the University of whom 9 were boys and 1 girl as shown below :

Nepal	—	—	2 boys
Burma	—	—	1 boy
Ceylon	—	—	7 (6 boys & 1 girl)

Total : 10

Of these, 6 boys and 1 girl joined Science courses and 3 boys joined Engineering courses.

NATIONAL CADET CORPS :

During the period under report the undermentioned Units of the N. C. C. held their Annual Training Camps at the places indicated against each of them—

- | | | | | |
|----|--------------------------------|-----|-----|---------|
| 1. | 3rd Bengal Signal | ... | ... | Agra |
| 2. | 8th Bengal Engineering Platoon | | | Roorkee |
| 3. | 17th Bengal E. M. E. | ... | ... | Meerut |
| 4. | 17th West Bengal Naval Unit | | ... | Cochin |

SPORTS :

The University participated in the following Inter-University Tournaments .

- | | |
|--------------------------------|----------------|
| 1. Foot-ball | 2. Cricket |
| 3. Volley-ball | 4. Basket-ball |
| 5. Table Tennis | 6. Rowing |
| 7. Inter-varsity Athlete Meet. | |

STUDENTS' ACTIVITIES :**Village Development Apprentice Scheme :**

17 students of this University joined the Training Course under the above scheme during the period under report. Each of them received a stipend of Rs. 150/- from the Central Government.

Youth Festival :

The University sent a contingent of 36 student artists, 2 N. C. C. under-Officers and 3 staff members to participate in the Fifth Inter-University Youth Festival held in Delhi. Certificates of Merit were awarded to the students for best performance in Group Song, Bengali drama and instrumental music (Tabla). For the first time Group dance was one of the items in which the students of this University participated.

Educational Tours/Excursions :

Various educational and industrial tours were arranged covering important industrial areas of Bengal, Bihar and Bombay during the period under report.

World University Service :

The local unit of the World University Service was formed at this University with the Rector as the President. The unit had of late taken up some "Self-help projects" of the students like Tuition Bureau etc. The Director, Youth Welfare was deputed by the University to attend the "South East Asia Workshop Conference on Self-help and Co-operative Techniques in the University Community" held at Madras under the auspices of the Indian Committee of the World University Service.

LIBRARY :

During the period under report 18,600 volumes of books and bound journals and periodicals were added bringing the total to 75,448. In addition to this, valuable book donations were received from various institutions and persons, as given below :

1. Sri N. R. Mukherjee
2. Sri Uday Kumar Das
3. Dr. Ruth Widmayer
4. Sri Satya Kinkar Sahana
5. Sri B. B. Chakravarty
6. The British Council
7. U. S. I. S.
8. Asia Foundation
9. U. S. S. R. Embassy
10. Smithsonian Institution
11. Embassy of Czechoslovakia
12. British Information Service
13. Embassy of the West German Republic and others
14. Government of India
15. Government of Assam
16. Lok Sabha Secretariat
17. Government of West Bengal
18. Reserve Bank of India

There were 98,000 book-issues during the period. Micro-film and photocopying units were also started in the Library.

OFFICE & OTHER STAFF :

The University had during the period a staff of 194 in the office, Laboratories, and Workshop. The darwans, malis, bearers and sweepers numbered 174. The different categories of staff were as follows (including Library).

OFFICE :

Head Assistant	...	1
Store-keeper	...	1
Accountant	...	1
Cashier	...	1
Stenographer	...	1
Steno-typist	...	1
Senior Assistants	...	9
Junior Assistants	...	30
Typists	...	11
Supervisors	...	3

LABORATORY :

Laboratory Assistants	...	13
Technical Staff	...	12

WORKSHOP :

Mistry Instructor	...	2
Mechanic "A"	...	18
Mechanic "B"	...	45
Helper	...	45
		<hr/>
		194
Darwans	...	29
Sweeper	...	21
Malis	...	22
Duftries	...	6
Bearers	...	96
		<hr/>
		174

LIBRARY STAFF :

Chief Librarian	...	1
Librarian	...	1
Assistant Librarian	...	1
Library Assistants	...	7
Catalougers	...	4
Part-time & Student Assistants	...	2

CONVOCATION :

The Annual Convocation was held on 24th December, 1958, and the following degrees were conferred :

M. Sc.	...	...	27
M. A.	...	...	61
B. A.	...	—	1
B. Ch. E.	...	...	52
B. E. E. (Power Option)	...	...	71
B. E. E. (Communication Option)	...	—	6
B. M. E.	...	...	94

The Convocation address was delivered by Prof. Dr. K. S. Krishnan.

At a Special Convocation held on the 25th of December, 1958, doctorate degrees, honoris causa, were conferred on the following distinguished Scholars :

1. Dr. M. Visvesvaraya	...	(Doctor of Engineering)
2. Prof. S. N. Bose	...	(Doctor of Science)
3. Prof. K. S. Krishnan	...	(Doctor of Science)
4. Prof. G. C. Cheshire	...	(Doctor of Literature)
5. Sri Raj Shekhar Bose	...	(Doctor of Literature)

Dr. N. K. Sidhanta, Vice-Chancellor of Calcutta University addressed the Special Convocation. Sm. Padmaja Naidu, Governor of West Bengal, also attended the Convocation.

DEVELOPMENT AND EXPANSION :

During the year under report the University submitted the following schemes of development ;

Post-graduate courses in Electrical, Mechanical, Chemical and Civil Engineering ;

Post-graduate courses in Food Technology ;

Development of post-graduate studies and research in Science ;

The University Grants Commission sent out a Visiting Committee consisting of Prof. Dr. L. Mahadevan, Prof. N. V. Subba Rao and Dr. V. S. Patankar. On the recommendation of the Committee the Commission sanctioned the following grants :

Buildings	...	37,000 sft.	Rs. 7,40,000/-
Central Workshop	...	3,000 sft.	Rs. 60,000/-
Equipment	...	...	Rs. 4,06,000/-
Books	...	...	Rs. 1,00,000/-
Furniture	...	...	Rs. 60,000/-
Staff	...	...	Rs. 40,000/-

FINANCES :

A. The following non-recurring grants were received by the University during the year 1958-59.

I. University Grants Commission

(a) Additional accommodation for the existing degree course in Engineering	...	Rs.	1,00,000/-
(b) Equipment for Civil Engineering	...	Rs.	19,582/-
(c) Library building & reading room	...	Rs.	1,00,000/-
(d) Building for Civil Engineering Dept.	...	Rs.	2,00,000/-
(e) Building for expansion of Training capacity of existing degree courses in Engineering	...	Rs.	3,00,000/-
(f) Books on Scientific & Technical subjects	...	Rs.	25,000/-
(g) Books & Journals on Humanities	...	Rs.	15,000/-
(h) Temperature & Humidity control in the Analytical Laboratory	...	Rs.	1,942/-
(i) Furniture for Civil Engineering	...	Rs.	23,333/-
(j) Furniture for Library	...	Rs.	47,950/-
(k) Micro-film & Photostat Equipment for Library	...	Rs.	7,600/-
(l) Equipment for P.G. Development in Physics...	...	Rs.	40,000/-
(m) Equipment for P. G. Development in Chemistry	...	Rs.	40,000/-
Total		Rs.	9,20,407/-

II. GOVERNMENT OF INDIA ;

(a) Equipment for Fundamental Research	...	Rs.	14,200/-
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III. GOVERNMENT OF WEST BENGAL ;

(a) Equipment for Civil Engineering	...	Rs.	1,307/-
(b) Library Building & Reading Room	...	Rs.	1,00,000/-
(c) Building for N. C. C. Officers	...	Rs.	24,915/-
(d) Gas Plant and shed for the College of Science and College of Engineering & Technology	...	Rs.	18,696/-
(e) Temperature & Humidity control in Analytical Laboratory	...	Rs.	9,725/-
(f) Building for additional accommodation for the existing degree courses	...	Rs.	1,25,000/-
(g) Civil Engineering Building	...	Rs.	1,50,000/-
(h) Furniture for Civil Engineering	...	Rs.	11,667/-
(i) Furniture for Library	...	Rs.	23,975/-
(j) Micro-film & Photostat equipment for Library	...	Rs.	3,800/-
(k) Equipment for Chemical Engineering Research	...	Rs.	8,922/-
Total		Rs.	4,78,007/-

Non-recurring expenditure during the year is as follows ;

Building construction	...	Rs.	11,30,668/-
Equipment	...	Rs.	3,15,998/-
Furniture & Fixtures	...	Rs.	1,82,156/-
Books & Journals	...	Rs.	58,974/-
Others	...	Rs.	315/-
Total		Rs.	16,88,111/-

B. The following recurring grants were received by the University during the year ;

I. UNIVERSITY GRANTS COMMISSION ;

(a) Extension work of University teachers	...	Rs.	3,290/-
(b) Revision of pay scales of teachers	...	Rs.	{ 6,855/- 2,140/-
(c) Maintenance of expansion of training capacity of the existing degree course	...	Rs.	1,22,000/-
(d) Maintenance of Civil Engineering course	...	Rs.	19,833/-
(e) Maintenance of existing degree course	...	Rs.	5,98,000/-
(f) Contribution of students' Aid Fund	...	Rs.	2,780/-
Total		Rs.	7,54,898/-

II. GOVERNMENT OF INDIA :

(a) Grant for Educational Tour	...	Rs.	2,432/-
(b) Intervarsity Youth Festival	...	Rs.	1,597/-

III. GOVERNMENT OF WEST BENGAL :

(a) Educational Tour	...	Rs.	652/-
(b) Revision of pay scale of the teaching staff	...	Rs.	325/-
(c) Maintenance of the University	...	Rs.	9,25,000/-
(d) Maintenance of Chemical Enng. Dept.	...	Rs.	1,62,246/-
(e) Maintenance of Arts & Science College	...	Rs.	80,000/-
(f) Expansion of training capacity of existing degree course in Engineering	...	Rs.	35,439/-
(g) Civil Engineering course	...	Rs.	2,693/-
(h) Subvention for Dearness allowance	...	Rs.	70,413/-

Besides the above, an adhoc grant of Rs. 11,555/- has been received from the Government of West Bengal during the year to wipe out the deficit in respect of the Chemical Engineering Department for the year 1957-58.

Overall financial position of the various departments of the University is given below :

Revenue Income	...	...	Rs. 26,86,375/-
Revenue Expenditure	...	...	Rs. 27,87,063/-

C. RESEARCH ACTIVITIES :

Revenue Income :

(a) Government of West Bengal	...	...	Rs. 780/-
(b) Government of India	...	...	Rs. 5,900/-
(c) Council of Scientific & Industrial Research	...	...	Rs. 59,585/-
(d) Council of Agricultural Research	...	...	Rs. 12,655/-
(e) Others	...	...	Rs. 26,663/-
			<u>Rs. 1,05,583/-</u>
Total revenue expenditure	...	...	<u>Rs. 1,17,518/-</u>

Bodies of the University :

The names of members of the different bodies and Faculties of the University are given in Appendices "H" and "I",

Miscellaneous ;

The University had during this period 500 students as residents in the hostel.

The total number of working days was 201.

The different bodies of the University held the following number of meetings :

University	...	...	...	8
Academic Council	...	...	...	7
Administrative Council	...	...	...	8
Finance Council	...	...	...	1

Amongst the many visitors to the University during the period under report, the names of the following distinguished persons may be mentioned :

1. Prof. Sydney Hook
2. Dr. Martin Luther King
3. Prof. K. Freudenberg of Heidelberg
4. Dr. Bruce Smith, Michigan State University
5. Prof. L Reed, University of Wisconsin
6. Mr. Gilpatric of Rockefeller Foundation.

Besides the above, Californian students of "Project India" Scheme, Hindi University students of East Europe, Russia and China and Representatives of the National Union of Students, Australia, also visited this University.

MEMBERS OF
JADAVPUR UNIVERSITY
1958—59

1. Dr. Bidhan Chandra Roy, M. D., D. Sc., M.R.C.P. (Lond.), F.R.C.S. (Eng)
2. Dr. Triguna Sen, Dr. Ing. (Munich), A. M. M. E. (B. Tech.) M. I. E. (Ind.)
A. M. I. Mech. E. (London)
3. Sri Sasanka Sekhar Bagchi, A. M. E. E., B. E. E., M. I. E. (Ind.)
4. Principal Atul Chandra Roy, B.Sc. (Glas.) ; M.I.E (Ind.) ; A.M.I. Mech. E.
5. Sri Charu Chandra Biswas, M. A., B. L.
6. Sri Sachindra Bhusan Dutt, B. Sc., A. M. Ch. E., B. Ch. E., M. I. E. (Ind.)
7. Sri Sachindra Nath Bandopadhyaya, B. Sc., (Glasgow), A. M. I. E. (Ind.)
8. Sri Hem Chandra Das Gupta, B. M. E. (Michigan)
9. Sri Saila Kumar Mukherjee, LL. B., Attorney-at-Law, Bachaspati
10. Sri Birendra Kishore Roy Choudhury, B. A.
11. Sri Binod Kishore Roy Choudhuri, M. A.
12. Sri Ajendra Krishna Ghose, B. L., Attorney at-Law
13. Sri Snehangsu Kanta Acharyya, Barister-at-Law
14. Dr. Jatindra Nath Basu, Dr. Ing. (Berlin), A.M.M.E., A.M.E.E., M.I.E. (Ind.)
15. Prof. Surendra Kumar Roy, M.E.E. (Harvard), M. A. I. E. E., M. I. E. (Ind.)
16. Sri Jitendra Nath Das Gupta, M. I. E. (Ind.), M. R. San F.
17. Sri Sudeb Chandra Dutta, A. M. E. E.
18. Sri Rash Behari Dey, V. D. E. (Berlin), A. A. I. E. E.
19. Sri Amulya Nath Sen Gupta, B. E. E., M. I. E. (Ind.)
20. Sri Amarendra N. Halder, A. M. E. E.
21. Dr. Santi Bhusan Dutt, Ph. D. (Econ.) (London), Bar-at-Law
22. Prof. Satyendra Nath Bose, D. Sc., F. N. I.
23. Shri Atul Chandra Dutta, A. M. Ch. E.
24. Sri Haripada Bhaumik; O. B. E., B. A., M. I. E. (Ind.)
25. Sri T. R. Gupta, B. Sc. (Eng.) M. I. E. (Ind.), M. P. E. (London)
26. Sri Benoy Krishna Rohatgi, Representative, All India Council for
Technical Education.
27. Dr. Dharendra Mohan Sen, M.A., Ph. D., Secretary, Education Department,
Government of West Bengal
28. Sri Naresh Chandra Chakraverty, M. Sc., D. I. I. Sc., M. I. E. (Ind.) Asstt.
Educational Advisor (T), Government of India, Ministry of Education
29. Sri C. S. Menon, Jt. Secretary, Ministry of Finance, Govt. of India
30. Sri K. G. Saiyidain, Secretary, Ministry of Education, Government of India
31. Sri Himadri Narayan Ray, I. C. S. Secretary, Finance Department,
Govt. of West Bengal,

APPENDIX "B"
Teachers of different cadres and Departments

	Faculty of Arts						Faculty of Science			Faculty of Engineering & Technology									
	English	Bengali	Sanskrit	Comparative Literature	History	Economics	Philosophy	International Relations	Physics	Chemistry	Mathematics	Geological Sciences	Mechanical Engg.	Electrical Engg.	Chemical Engg.	Civil Engg.	Tele-Comm. Engg.	Humanities	
Professor	1	1	1+1*	1	1	1	1	1	1	3	1	1+2*	—	1	1	1	1	1	
Reader	1	2	1	1	2	2	1	5	5	6	—	1	4	3	—	—	1	1	
Lecturer	9+1*	4	4	4+3*	6	6	8	13	22	22	12	8	14	5	4	2	1	1	

Professor-in-Charge	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Professor	4+1*	4	4	4	4	4	4	13	22	22	12	8	14	5	4	2	1	1	
Asstt. Professor	14	4	4	4	4	4	4	13	22	22	12	8	14	5	4	2	1	1	
Lecturer	28	12+3*	12+3*	12+3*	6+2*	6+2*	6+2*	13	22	22	12	8	28	12+3*	4	6+2*	3	1*	

* Indicates part-time staff.

RESEARCH AND PUBLICATIONS (1958-59)

DEPARTMENT OF PHILOSOPHY

Publications :

1. Philosophy and Ordinary Language
(Journal of the Philosophical Association)
—Kali Krishna Banerjee
2. Knowledge and ordinary language
(The Indian Philosophical Quarterly)
—Kali Krishna Banerjee
3. Wittgenstein Versus Naiyaika
(The Calcutta Review)
—Kali Krishna Banerjee
4. Sampratika Darsan Carcar Ekti Dik
(An aspect of contemporary philosophy) (Darsan)
—Kali Krishna Banerjee
5. Kavya o Darsan (Poetry and Philosophy) (Darsan)
—Kali Krishna Banerjee

DEPARTMENT OF HISTORY

Publications :

1. "Derozio and Young Bengal"
(Chapter 3 in the Studies in the Bengal Renaissance)
—S. C. Sarkar
2. "Debt. and Usury in the Smritis"
(Proceedings of the Indian History Congress)
—B. P. Mukherjee
3. "History"
(Chapter 25 in the Studies in the Bengal Renaissance)
—B. P. Mukherjee
4. "Correlations of Rents and Prices"
(Proceedings of the Historical Records Commission)
—R. Guha
5. "Gold content of Kushana and Sassanian Coins"
(Journal of Indian Numismatic Society) —S. K. Maiti
6. "Gold content of Indian Museum Gupta Coins"
(Journal of Indian Numismatic Society) —S. K. Maiti
7. "Movement against the Sati rite"
(Bengal, Past and Present)
—A. Mukherjee
8. "Universities in Mediaeval Europe"
(Calcutta Review)
—A. Mukherjee

RESEARCH :

1. The three Research students who are at present attached to this Department are working on their respective subjects (Nyāya Logic, Vaisesika Categories and Evolution of Alankāras) under the guidance and supervision of Prof. S. Bhaduri.
2. A Scheme for the implementation of some of the important recommendations of the Sanskrit Commission has, at the request of the Government of India, been prepared and duly submitted.

Publications :

1. Smritir Smriti—Swastika 1365 —Sitanath Goswami
2. Abachhedbad O Pratibimbabad—Devajan 1365 ”
3. Satyer Swarup—Swastika 1365 ”
4. Ramayaner Pratham Adhaya—Swastika 1365 ”
5. Keshabo Hindu Ratna—Bharati—Jaipur ”

Development of Rudra from the Vedas to the Mahabharata, (Journal of the Bhandarkar Oriental Research Institute, Poona). (Accepted for Publication)
—Sukumari Bhattacharya

DEPARTMENT OF COMPARATIVE LITERATURE

Publications :

1. Ek Grishme dui Kavi (Bengali article on Dostoevsky and Bandelaire)—Buddhadeva Bose—published in *Chaturanga*, Calcutta.
2. Translations from Bandelaire's *Les Flems du Mal* : Buddhadeva Bose —Kavita, Calcutta.
3. Translations of some poems of Boris Pasternak, with a critical preface—Buddhadeva Bose—Kavita, Calcutta.
4. The Poetry of Pasternak (in English)—Buddhadeva Bose—*The Statesman*, Calcutta and New Delhi.
5. *Versatility*—a poem adapted into English from the author's Bengali :—Buddhadeva Bose—*Poetry* : Chicago, U. S. A.
6. Kaler Putul (critical essays in Bengali on modern Bengali poetry) : —Buddhadeva Bose—Enlarged 2nd edition.
7. Je Andhar Alor Adhik :—Buddhadeva Bose—A book of poems in Bengali.

1. A review of Boris Pasternak's *Dr. Zhivago* : *Chaturanga*, Calcutta.
—Naresh Guha
2. *Adhunik Bangla Kavita* : an essay on modern Bengali poetry :
Kavita, Calcutta.
—Naresh Guha
3. Translations from Blake's poems : *Kavita*, Calcutta, *Visva-Bharati
Patrika*, Calcutta.
—Naresh Guha
1. The Camel-Bird, a poem adapted into English from the author's
Bengali : *Poetry*, Chicago, U. S. A. — *Sudhindranath Datta* (on leave)
1. Samskrita nataka O tragedy (Bengali) : *Gomati*, Tripura.
—Narendra Nath Bhattacharyya
1. A Translation of Sophocles' *Antigone*, published serially in *Kavita*,
Calcutta. (to be published in book form by Sahitya Akademi, New
Delhi).
—Alokranjan Das Gupta
2. The Poetic Personality of Blake (Visva-Bharati Patrika)
—Alokranjan Das Gupta
3. A Note on the Literary Talent of Jagadish Chandra Bose (Desh).
—Alokranjan Das Gupta
1. Tulanamulak Sahitya (Comparative Literature), an article in Bengali
published in *Desh*, Calcutta.
—Amiya Das

DEPARTMENT OF CHEMISTRY

INORGANIC CHEMISTRY :

Publications :

1. Paper Chromatography in the separation of ions. Part II. Separation
of precious metals—by A. K. Majumdar and M. M. Chakrabartty
—*Anal. Chim. Acta.*, 19, 129, (1958).
2. —do— Part III. Separation of silver, copper, and arsenic group
elements—by A. K. Majumdar and M. M. Chakrabartty, *ibid*
19, 132, (1958)
3. 2-Mercapto-benzothiazole as an analytical reagent. Estimation of
palladium—by A. K. Majumdar and M. M. Chakrabartty, *Z. Anal.
Chem.*, 162, 96, (1958)

4. 2-Mercapto-benzimidazole as an analytical reagent. Estimation of
palladium—by A. K. Majumdar and M. M. Chakrabartty, *Z. Anal.
Chem.*, 162, 101, (1958).
5. Spectrophotometric determination of palladium. Part I. Bismuthiol I
as an analytical reagent—by A.K. Majumdar and M.M. Chakrabartty,
Anal. Chim. Acta. 19, 372, (1958)
6. Bismuthiol II as an analytical reagent. Estimation of cadmium—
by A. K. Majumdar and B. R. Singh, *Z Anal Chem.*, 161, 257, (1958).
7. —do—. Estimation of cupric and cuprous copper—by A. K.
Majumdar and B. R. Singh, *Z. Anal. Chem.*, 161, 81, (1958).
8. Bismuthial II as an analytical reagent, Estimation of arsenic,
antimony and tin—by A. K. Majumdar and B. R. Singh, *Z. Anal.
Chem.*, 161, 261, (1958).
9. α -picolinic acid as analytical reagent. Estimation of palladium—
by A. K. Majumdar and J. G. Sen Gupta, *Z. Anal. Chem.* 161, 100,
(1958).
10. Quinaldinic acid as analytical reagent. Estimation of palladium—by
A. K. Majumdar and J.G. Sen Gupta, *Z. Anal. Chem.*, 161, 104, (1958).
11. α -picolinic and quinaldinic acids in the separation and volumetric
determination of palladium—by A.K. Majumdar and J. G. Sen Gupta,
Z. Anal. Chem., 161, 179, (1958)
12. α -picolinic acid and quinaldinic acid in the separation and
complexometric determination of palladium—by A. K. Majumdar
and J. G. Sen Gupta, *Z. Anal Chem*, 161, 181, (1958).
13. Separation of niobium and tantalum with cupferron—by
A. K. Majumdar and J. B. Ray Chowdhury, *Anal. Chim. Acta.*,
19, 18 (1958).
14. Separation of niobium and tantalum with N-benzoyl-N-phenyl
hydroxylamine—by A. K. Majumdar and A. K. Mukherjee, *Anal.
Chim. Acta*, 19, 23 (1958).
15. Spectrophotometric determination of molybdate, vanadate and
tungstate—by A. K. Majumdar and C. P. Savariar, *Naturwissens-
chaften*, 45, 84, (1958).
16. Spectrophotometric determination of palladium. Part II. Bismuthiol
II as an analytical reagent—by A. K. Majumdar and M. M.
Chakrabartty, *Anal. Chim. Acta.* 19, 482, (1958).
17. Separation of niobium and tantalum with organic hydroxamic acids
and phenyl arsonic acid—by A. K. Majumdar and A. K. Mukherjee,
Naturwissenschaften, 45, 239, (1958).
18. Electro-chromatography in the separation of ions. Part VI. Separation
of zinc group by A. K. Majumdar and B. R. Singh. *Anal.
Chim. Acta*, 19, 520, (1958).

19. Determination of uranium by cupferron with complexone III as the masking agent—by A. K. Majumdar and J. B. Ray Chowdhury, *Anal. Chim. Acta*, 19, 576, (1958).
20. Paper chromatography in the separation of ions. Part IV—by A. K. Majumdar and A. K. Mukherjee, *Anal. Chim. Acta*, 19, 480, (1958).
21. Gravimetric determination of thorium and zirconium. Quinaldinic acid as a reagent—by A. K. Majumdar and J. G. Sen Gupta, *Z. Anal. Chem.* 162, 262, (1958)
22. Separation of niobium and tantalum with phenyl arsonic acid—by A. K. Majumdar and A. K. Mukherjee, *Anal. Chim. Acta*, (under publication).
23. Use of high frequency oscillometer, Part I. Estimation of Silver—by A. K. Majumdar and A. K. Mukherjee, *Anal. Chim. Acta* (under publication).
24. Spectrophotometric determination of osmium, Part I. Anthranilic acid as a reagent—by A. K. Majumdar and J. G. Sen Gupta, *Anal. Chim. Acta*, (under publication).
25. —do— Part II. Sulphanilic acid as a reagent—by A. K. Majumdar and J. G. Sen Gupta, *Anal. Chim. Acta*, (under publication).
26. Use of high frequency oscillometer, Part II. Estimation of inorganic ions with chromate and oxalate—by A. K. Majumdar and B. K. Mitra. *Anal. Chim. Acta*, (under publication).
27. Electro-chromatography in the separation of ions. Part VII. Separation of fourth group elements—by A. K. Majumdar and B. R. Singh, *Anal. Chim. Acta*, (under publication).
28. Bismuthiol I as an analytical reagent Estimation of bismuth and palladium—by A. K. Majumdar and M. M. Chakrabartty, *Z. Anal. Chem.* 165, 100, (1959)
29. Amperometric determination of palladium with mercapto compounds—by A. K. Majumdar and M. M. Chakrabartty, *Anal. Chim. Acta*, (under publication).
30. Spectrophotometric determination of palladium Part III. 2-mercapto-benzothiazole and 2-mercapto-benzimidazole as analytical reagents—by A. K. Majumdar and M. M. Chakrabartty, *Anal. Chim. Acta*, (under publication)
31. Spectrophotometric determination of copper with tiron—by A. K. Majumdar and C. P. Savariar, *Anal. Chim. Acta*, (under publication).
32. Spectrophotometric determination of osmium with tiron—by A. K. Majumdar and C. P. Savariar, *Anal. Chim. Acta*, (under publication),

33. β -Amino picolinic acid as a reagent for the gravimetric and volumetric estimation of palladium—by A. K. Majumdar and S. P. Bag, *Z. Anal. Chem.* 164, 398 (1958).
34. Quinolinic acid as a reagent for the gravimetric and volumetric estimation of palladium —by A. K. Majumdar and S. P. Bag, *Z. Anal. Chem.* 165, 347 (1959).
35. Spectrophotometric determination of iron with quinolinic acid—by A. K. Majumdar and S. P. Bag, *Anal. Chim. Acta*, (under publication).
36. Spectrophotometric determination of iron with 2-oxy-3-naphthoic acid—by A. K. Majumdar and C. P. Savariar, *Anal. Chim. Acta* (under publication).
37. Direct estimation of niobium with N-benzoyl-N-phenyl hydroxylamine—by A. K. Majumdar and A. K. Mukherjee, *Anal. Chim. Acta* (under publication).
38. Extraction of uranium with thenoyl trifluoroacetone (TTA—by S. M. Khopkar and A. K. De, *Chemistry and Industry* (under publication).
39. Ion exchange studies of uranium—by S. M. Khopkar and A. K. De, *Science and Culture* (communicated).
40. Thenoyl trifluoro acetone as a colorimetric reagent—by S. M. Khopkar and A. K. De, *Chemistry and Industry* (communicated).
41. Ion exchange studies—Part I. Cation exchange behaviour of uranium—S. M. Khopkar and A. K. De, *J. Inorg. Nucl. Chem.* (communicated)
42. Rapid extraction and spectrophotometric determination of uranium with TTA—by S. M. Khopkar and A. K. De, *Anal. Chem.* (communicated).
43. Study on the separation of uranium (VI) and iron (III) by Ion-exchange—by D. Sen, abstract published in *Proc. 46th Ind. Sci. Cong.* 1959, p. 71.

ORGANIC CHEMISTRY

Publications :

1. New syntheses of trans-syn-cis and trans-anti-trans-9-Katoperhydrophenanthrenes—by Ramesh Chandra Chatterjee and Bidyut Kamal Bhattacharyya, *J. Ind. Chem. Soc.*, 35, 19, 1958.
2. Synthesis of 5-Methoxy-2-indanone—by Amareswar Chatterjee, Ramesh Chandra Chatterjee and Bidyut Kamal Bhattacharyya, *J. Ind. Chem. Soc.*, 35, 391, (1958).

3. Studies in Michael Condensation Part II. Synthesis of 5-Methyl and 1, 5-dimethyl-bicyclo [0 : 3 : 4]-nonan—2, 4-diones—by Amalendu Banerjee and Bidyut Kamal Bhattacharyya, J. Ind. Chem. Soc., 35, 457, 1958.
4. Studies in Michael Condensation. Part III. Synthesis of 1-Hydroxy-2, 4b-dimethyl-7-keto-1, 2, 3, 4, 4a, 4b, 5, 6, 7, 9,10, 10a-dodecahydrophenanthrene—by Amalendu Banerjee and Bidyut Kamal Bhattacharyya, J. Ind., Chem Soc., 35, 467, 1958.
5. Studies on Hydrofluorene Derivatives. Part I. synthesis of 1, 2, 3, 4, 10, 11-hexahydrofluorene-2-one—by Beda Prasad Sen, Amareswar Chatterjee, Santi Kumar Gupta and Bidyut Kamal Bhattacharyya, J. Ind. Chem Soc, 35, 751, 1958.

DEPARTMENT OF MATHEMATICS

Publications :

1. Direct method of solving some two-dimensional problems of Elasticity—by B. Sen—Golden Jubilee Number of the Calcutta Mathematical Society (1958-59)
2. Note on the bending of a thin uniformly loaded plate bounded by two equal confocal parabolas—by B. Chatterjee—Indian Journal of Theoretical Physics, Vol-6, pp. 35—37 (1958)
3. Stresses in a dumbbell-shaped disk rotating about an axis lying in its middle plane—by B. Chatterjee—Journal of Applied Mechanics—Vol, 25, pp. 290—292, (1958)
4. Rotational waves in a visco-elastic medium due to a twist on the surface of a spherical cavity—by—S. K. Chakravorty—Journal of Science & Enginnering Research—Vol—11, Part 2, pp. 195—200, (1958)
5. On disturbances produced produced by a time periodic twist on the surface of a spheroidal cavity—by S. K. Chakravorty—Geofisica Pura E Applicata—Milano—Vol.—40, pp. 15—18 (1958/II)
6. Elastodynamic problem concerning a centre of rotation in a semi infinite medium of transversely isotropic material—by S. K. Chakravorty—Proc. Nat. Inst. Sc. India—Vol—24A, No. 4, pp. 250—255, (1958)
7. Exact Transient Solution of the Buried Line Source Problem for our Asymmetric source—by Manindra Mitra—ZAMP—Vol—IX, pp. 332—331, (1958)

8. Note on a type of surface waves travelling in a semi—infinite solid of varying elasticity and density—Manindra Mitra—Bull. Seismological Soc. America—Vol—48, pp. 399—402. (Oct. 1958)
9. The distrubance due to periodic surface traction in a semi-infinite medium of varying elasticity and density—Manindra Mitra—Geofisica Pura and Applicata—Vol—41 (1958/III) pp. 86—90
10. The Elastic Response of a large plate to an impulsive parabolic pressure distribution—by Manindra Mitra—Bull. Cal. Math. Soc. (In press)
11. Exact Solution of the Buried line source problem for a uniformly moving source—by Manindra Mitra—Bull. Cal. Math. Soc. 51, (1959).
12. Solution of the Buried Source problem for an extended source—by Manindra Mitra—Proc. Nat Inst Sci. of India, Vol. 25, (1959)
13. Scattering of Electron from five-dimentional wave equation—by A. K. Mitra—Indian Journal of Physics Vol.—XXXII No. 7, July, 1958.
14. Note on forced torsional vibration of a cylinder having periodic shearing forces along a ring on the curved surface—by A. K. Mitra—Communicated to “Indian Journal of Theoretical Physics” by Prof. B. Sen—(December, 1958).
15. Final period decay in the case of longitudinally homogeneous turbulence with symmetry about a localized axis—by K. M. Ghosh—Proceedings of the National Institute of Sciences—Vol—24A, pp. 240—249, (1958)
16. Resistance on a sphere due to a circular vortex filament in a uniform flow of a perfect liquid—by—M. K. Mitra—Z. A. M. M. Band 39 (1959).

DEPARTMENT OF PHYSICS

RESEARCH :

1. Development of an alternative Technique of obtaining localized molecular orbitals and investigation into the exact physical significance of such orbital—B. Bhattacharya—Work is in progress.
2. Field emission effect on semi-conductors—D, P, Sural. Work is in progress.

3. Photographic emulsions for use in nuclear investigations—S. P. Dutt. Processing work in hand and progressing well.
4. Measurement of polarisation of fluorescence and absorption spectra of aromatic single crystals and study of photo-conductivity of these crystals—S. C. Ganguli, N. K. Choudhuri and B. C. Mukherjee.

Publications :

1. Induced conductivity at the Surface of contact between metals—by S. D. Chatterjee & S. K. Sen (Philosophical Magazine, Vol-3, p. 839, (1958).
2. Cepheid Vibration by T. C. Roy (Progress of Theoretical Physics (Japan) 1958.
3. Five structure of infrared absorption spectrum of O. C. S.—by S. N. Sen—Communicated to Journal of Optical Society of America.
4. Note on the Landau Placzek relationship in the Brillouin scattering in liquids—by S. N. Sen—Science and Culture. Vol-25 pp. 203-204, 1959.
5. Measurements of degree of polarisation of fluorescence of pure anthracene crystalline film—by N. K. Choudhuri—Zeits. F. Phys. 151, 93, (1958).
6. Measurement of polarisation of fluorescence and absorption spectra of crystals—International measurement conference. Budapest. (1958). —By S. C. Ganguli.
7. Energy transport in organic phosphers—Rev. of Modern Physics 31, 990, (1959)—By S. C. Ganguli & N. K. Choudhuri.
8. Roll of Macroscopic viscosity in Microwave absorption by Polar Molecules By S. N. Sen. Proc. of the Symposium in Microwave Spectroscopy in Aligarh ; Convened by C. S. I. R. in Feb. 1959.
9. Hypersonic velocity in Viscous liquids as Revealed from Brillouin Spectra. By S. N. Sen. Paper accepted for Publication in Proc. Phys. Soc. (London.).

DEPARTMENT OF GEOLOGICAL SCIENCES

RESEARCH :

1. Coal Petrology—Research work is being carried on in this University.
2. Studies of Coastal Tertiary rocks of India—S. Chandra, Research Scholar of the Ministry of S. R. & C. A. Government of India who has registered his name for the Ph. D. degree of the University is at present engaged in the above study—Work in progress.

3. Petrology of the Coals from Bokaro and Kargali areas—Hazariabagh District. Research work in this direction is being guided by this University—by A. Bhattacharyya, Junior Research Fellow, C.S.I.R. (who has registered his name for Ph. D. degree of the University)—Work in progress.
4. Ore-genesis and differentiation in the Gabbro—Anorthosite suite of rocks of Nausahi, Keonjhar District, Orissa—Work nearing completion—by K. L. Chakravarty, Lecturer, Jadavpur University, (who has registered his name for Ph. D. degree of the University).

Publications :

1. Chromite ores associated with the Ultrabasic Rocks of Nausahi, Keonjhar District, Orissa, India—Their Mineragraphy and genesis—by K. L. Chakravarty—Proc. Nat. Inst. Sc. India, Vol. 24A, No. 6 (1958).
2. Metamorphism of the Bandad Iron Formation of Badampahar, Mayurbhanj, India and the origin of the cumingtonite magnetite rock—by K. L. Chakravarty—Proc. Nat. Inst. Sc. India, Vol. 24A, No. 6 (1958).
3. Origin of the titaniferous and vanadiferous magnetites of Nausahi, Keonjhar, Orissa—by S. C. Sarkar—Published in the Science & Culture (1959), Vol 24, February, 1959.
4. Mineragraphic studies of some sulphide—mineral veins near the Trijunction of Bankura, Midnapore and Purulia Dts, West Bengal—by P. S. Chakravarty—Proc. Nat. Inst. of Sciences of India—Vol. 24-A, No. 4 (1958).
5. Tungsten bearing quartz veins around Chhendapathar, Bankura Dt., West Bengal, India—by P. S. Chakravarty—Their Mineragraphy and Genesis. Proc. Nat. Inst. of Sciences of India—Vol. 24A, No. 6 (1958)
6. Variation in Goniorhynchia Boueti. by—K. C. Mitra—Jour. Pal. Vol. 32, No. 5, U.S.A.
7. Ground water possibilities of the Coastal areas of West Bengal—paper contributed at the Symposium organized by the National Institute of Sciences at Andhra University, August, 1958. by S. Deb.

8. Coastal placer sand deposits of Cape Comorin by S. Deb—proceedings—46th Session of the Indian Science Congress—Delhi—1959.
9. Two papers on Coal Petrology and Sedimentology—by Bankim Mukherjee—proceedings—46th Session of the Indian Science Congress—Delhi—1959.
10. A note on the Hematite—Molybdenite Mineralization in Limestone—Jhinkpani, Singbhum Dist.—Bankim Mukherjee.—Science & Culture—Vol. 23, pp. 657-658, June, 1958
11. Coronadite from the Manganese Ores of Dongari Buzurg and Kodur, India Supriya Roy. Naturwissenschaften, Heft 2, S. 71, 1959.

DEPARTMENT OF MECHANICAL ENGINEERING

RESEARCH :

1. Life of High Speed Steel Tools on Turning Operations—by G. B. Pal—(Part requirement of M. M. E. degree).
2. Strength of Stranded Bars—by A. K. Gupta—(Part requirement of M. M. E. degree) :
3. Investigation of the Vertical Cutting Force required at different depth of Cuts, Speeds, Feeds and Rake Angles in Truning Mild Steel—by A. N. Chakravorty—(Part requirement of M. M. E. degree).

DEPARTMENT OF CHEMICAL ENGINEERING

RESEARCH :

1. The quantitative study of mass transfer kinetics in extraction of thorium and rare earth salts with organic solvents.
2. Production of elemental sulphur from natural sulphides.
3. Studies on the possibility of producing biochemical sulphur from wastes.
4. Low temperature oxidation characteristics of Indian coals.
5. Pressure leaching of copper ores with oxygen and ammonia.
6. Study of phase diagrams of mixtures of compounds.
7. Flow of non-Newtonian fluids.
8. Characteristics of liquid jets in liquid medium.
9. Detection of adulteration of processed foods.

10. Storage and Respiration of fruits and vegetables.
 11. Heat Resisistance of bacterial spores.
 12. Varietal suitability of fruits and vegetables for preservation by canning.
 13. Microbiology of fresh water fish in West Bengal.
 14. Parboiling of rice.
- The above research schemes are in hand and progressing satisfactorily.

Publications :

1. Sulphur from ores, by—J. Kaufman and T. K. Roy, U.S. Patent No. 2, 838, 391, June 10, 1958.
2. New Frontiers in Nickel, T. K. Roy, Indian Metals Review February, 1959.
3. Studies on bacteria causing spoilage of canned vegetables, Part II ; canned peas and cauliflower : J. M. Ayan Dutt and A. N. Bose ; J. Sci. and Industr. Res. 17C, 51, (1958).
4. Studies on varietal suitability of fruits for preservation by canning, Part I, Mangoes ; A. N. Bose and K. Das : J. Sci. & Industr. Res. 17A, 203, (1958)
5. Studies on fish of Bay of Bengal—I—Amino acid composition of flesh of Bombay Dak, Ribbon and Shark : A. N. Bose, S. K. Das Gupta and B. N. Srimani : Ind. J. Vet. Sc. & Ani. Husb ; 28, 25 (1968).
6. Effect of salting on chemical composition and texture of green-mango slices ; K. Das and A. N. Bose : J. & Proc. Inst. Chem. 30, 197, (1958).
7. Problems in fish transport and preservation in India : A. N. Bose : J. and Proc. Inst. of Chem., 30, 28, (1958).
8. Fats and heart diseases : A. N. Bose : Ind. Soap. J. 23, 257, (1958)
9. Extraction of Uranyl Butyrate bp Organic Solvents—Distribution and Rate of Tranfer in continuous countercurrent Spray Extraction and column" ; S. R. Ghosal and D. K. Dutt ; Industrial and Engineering Chemistry—Data Series" (Am. Chem. Soc.), Volume 3, No. 2, October, 1958, pp. 258-262.

10. Zur Theorie des Belobtschlammverfahrens. Part I-by-K, Wuhrmann, F. V. Beust and T. K. Ghose; Schweiz Zeitschrt. f. Hydrol Vol. XX (2), 284-310, 1958.
11. Heat Transfer in Water Spouted Beds: B. Ghosh and G. H. Osberg Canadian J Chem. Eng. 37, 205, 1959.

DEPARTMENT OF ELECTRICAL ENGINEERING :

Publications :

1. Magnetic Measurements by the Bridged-T Network-by Prof. J. K. Choudhury and Sri P. C. Sen-Journal of Scientific Instruments (Published by The Institute of Physics), London-April, 1958.
2. Design of Magnetic Amplifiers—by Prof. J. K. Choudhury and Sri S. K. Ghose—Proc. Indian Science Congress, 1959.

DEPARTMENT OF CIVIL ENGINEERING

RESEARCH :

1. The students of the 3rd year class have been grouped in small batches of 4 or 5 in each to carry on the research work on their individual problems for obtaining laboratory data on strength of concrete cubes under various conditions of Salinity, Water Cement Ratio and Gradation and Concrete Mixture—which comprise part of their work under "PROJECT & THESIS"
2. Amongst the teachers who have been admitted by the Faculty for studying M. C. E. Course, Sri N. Choudhury is carrying on research in connection with his thesis on "Behaviour of Twin Twisted Bars in R. C. Beams" in addition to his normal course of studies.

Publications :

1. Estimation of cement by absorption method—N. Choudhury and S. C. Lodh—Science Congress 1959.
2. Analysis of a simple space grid—P. Som—Indian Concrete Journal—November, 1958.
3. A Review of the preliminary design principles of light-alloy structures—P. Som—Indian Engineer—February, 1959.
4. A Critical review of design of suspension bridges—P. Som—the 'Engineer' 1959.

COURSE	1958-59		Total
	No. of Applicant	Number Admitted Boys Girls	
PREPARATORY ARTS—	54	17 20	37
DEGREE ARTS—			
Philosophy	6	1 1	2
Sanskrit	3	— 1	1
English	7	2 2	4
Bengali	8	1 1	2
Comp. Lit.	2	— —	—
Economics	6	5 —	5
Int. Relations	5	5 1	6
History	3	— 1	1
POST-GRADUATE ARTS—			
Philosophy	65	8 15	23
Sanskrit	13	4 3	7
English	85	14 19	33
Bengali	146	11 20	31
Comp. Lit.	27	6 4	10
Economics	214	21 5	26
Int. Relations	179	19 10	29
History	249	14 17	31
PREPARATORY SCIENCE—	250	95 —	95
DEGREE SCIENCE—			
Mathematics	60	— —	—
Physics	80	2 —	2
Chemistry	30	2 —	2
Geology	50	3 —	3
POST-GRADUATE SCIENCE—			
Mathematics	278	29 3	32
Physics	227	9 —	9
Chemistry	—	— —	—
Geology	76	15 —	15
ENGINEERING DEGREE—			
Mechanical	2344	90 —	90
Electrical	1947	90 —	90
Civil	2050	90 —	90
Chemical	906	59 1	60
Tele-Communication	676	38 2	40
ENGINEERING POST-GRADUATE—			
Mechanical	5	5 —	5
Electrical	9	9 —	9
Civil	—	— —	—
Chemical	6	6 —	6

APPENDIX—"E"

Final Post-Graduate Examination

HELD IN 1958

LIST OF SUCCESSFUL CANDIDATES

Chemical Engineering :

FIRST CLASS

(In order of merit)

Serial Nos.	Names
1.	Adityaprasad Sinha
2.	Rabindranath Bagchi

SECOND CLASS

3.	Ajit Ch. Mazumder
----	-------------------

Mechanical Engineering :

FIRST CLASS

(In order of merit)

Serial Nos.	Names
1.	Amarendra Nath Chakraborty
2.	Girija Bhusan Pal
3.	Arun Kumar Gupta

Engineering & Applied Geology :

FIRST CLASS

(In order of merit)

Serial Nos.	Names
1.	Asok Kmmar Ray

SECOND CLASS

2.	Mihir Bhattacharyya
----	---------------------

Mathematics :

FIRST CLASS

(In order of merit)

Serial Nos.	Names
1.	Bikasaranjan Das
2.	Sanatkumar Sarkar
3.	Tara Ghosh
4.	Santosh Kumar Ghosh
5.	Gour Chandra Das
6.	Narayan Chandra Biswas
7.	Smriti Kana Bhowmick
8.	Dipak Kumar Basu

SECOND CLASS

9.	Saroj Kumar Laskar
10.	Dipti Ghosh
11.	Bhudeb Biswas
12.	Asitkumar Kundu
13.	Santimay Chattopadhyay
14.	Dipti Dev
15.	Kanhaya Singh
16.	Mohammad Yeasin Shaikh

Geological Sciences :

FIRST CLASS

(In order of merit)

Serial Nos.	Names
1.	Jayanta Datta
2.	Apurba Kanta Choudhury
3.	Swastik Bandyopadhyaya
4.	Kumar Chandra Prasad
5.	Sambhudas Chaudhuri
6.	Amalkumar Ray
7.	Pradipkumar Sengupta

SECOND CLASS

8.	Dwijeshchandra Chakrabarti
9.	Satyendranath Chattopadhyay

English :**SECOND CLASS**

Serial Nos.	Names
1.	Bhusan Chandra Paul
2.	Surendralal Mehta
3.	Amalendu Das
4.	Bibharani Ray (nee Sengupta)
5.	Gita Sen
6.	Tapan Datta
7.	Hiranmay Paul
8.	Anupam Jha
9.	Juthika Mitra

Sanskrit :**FIRST CLASS**

(In order of merit)

Serial Nos.	Names
1.	Nirmal Kanti Basu

SECOND CLASS

2.	Sadhana Chattopadhyay
3.	Puspita Choudhury

Bengali :**FIRST CLASS**

(In order of merit)

Serial Nos.	Names
1.	Chitraparna Ray

SECOND CLASS

2.	{ Gayatree Chaudhury
	{ Anita Chakravarti (nee Bhattacharyya)
4.	Bharati Sengupta
5.	Kabita Lahiri
6.	Supti Raychaudhuri
7.	Kanak Sen
8.	Dipali Sinharay

Serial No. Names

9.	{ Reba Gupta
	{ Sanjib Kumar Bandhu
11.	Bratati Bandyopadhyay
12.	Tripti Basu
13.	{ Kalpana Ray
	{ Archana Sen (nee Gupta)
15.	{ Namita Chanda
	{ Mandira Dasgupta

International Affairs :**SECOND CLASS**

(In order of merit)

Serial Nos.	Names
1.	Prabhat Kumar Sircar
2.	Shivaji Ganguly
3.	Ranjit Kumar Saha
4.	Prodeep Kumar Bandyopadhyaya
5.	Ratanchand Saha
6.	Bhaskarkanti Ghosh
7.	Arun Agnihotry
8.	Purabi Purkayastha

Comparative Literature :**FIRST CLASS**

(In order of merit)

Serial Nos.	Names
1.	Nabaneeta Dev

SECOND CLASS

2.	Amiya Kumar Dev
3.	{ Manabendra Mohan Bandopadhyaya
	{ Pranabendu Dasgupta
5.	Tarun Kanti Mitra

Economics :**FIRST CLASS**

(In order of merit)

Serial Nos.	Names
1.	Sourindra Nath Bhattacharjee.

SECOND CLASS

2.	Pankaj Kumar Sen
3.	Ranjit Ranjan Das
4.	Nikhilesh Dhar
5.	Dasa Rathi Biswas
6.	Reba Dutta
7.	Deba Brata Guha

History :**SECOND CLASS**

(In order of merit)

Serial Nos.	Names
1.	Gouri Sankar Dey
2.	Arati Sarkar
3.	Kona Krishnarao Nayudu
4.	Sunil Baran Tewary
5.	Sujaya Basu
6.	Abharani Debi
7.	Dipali Sen Gupta
8.	Pradyot Kumar Maity
9.	Dhirendranath Das
10.	Krishna Bhattacharjee
11.	Anjali Adhikari (nee Bhattacharyya)
12.	Aparna Bagchi
13.	Himani Dhar

Final Bachelor's Degree Examination Held in 1958**LIST OF SUCCESSFUL CANDIDATES****Chemical Engineering****FIRST CLASS**

(In order of merit)

Serial Nos.	Names
1.	Ramrabindra Ghosh
2.	Sovendranath Majumder
3.	Lakhmikanta Panda
4.	Arunkumar Bhattacharyya
5.	Amal Kumar Basak
6.	Mahesh Chandra Bagrodia
7.	{ Nirmal Singh Jain Sambhunath Ghosh
9.	B. Kameswara Rao
10.	Nirmalendunarayan Das
11.	Arunava Aich
12.	Samireswar Chakravarty
13.	Rabindra Nath Roy
14.	Ram Niranjan Saraf
15.	Sambhu Nath Bhattacharyya
16.	Jagannath Saha
17.	Jiwan Mull Nahata
18.	Suresh Vora
19.	Nitya Gopal Kundu
20.	Ramesh Chandra Mishra
21.	Chandrakant Chhotalal Doshi

SECOND CLASS

22.	Sushanta Mukherjee
23.	Biswanath Sanyal
24.	S. Phriston Roy Syntem
25.	{ Barendra Mohan Bose Ranendra Nath Ghosh
27.	Ajitkumar Chaudhuri
28.	Ramkrishna Bandyopadhyay
29.	Jayantakumar Chakrabarti
30.	Sudhir Chandra Parbat
31.	Amalkumar Ray
32.	Tusharkanti Mitra

33. Sudhir Chandra Podder
34. Tilakchand De
35. Dilip Kumar Das Gupta
36. Manoranjan Prasad
37. Sujit Sen
38. Samartosh Gangopadhyay
39. Sushil Kumar Bandyopadhyay
40. Mohan Mahadev
41. Ranjitkumar Pathak
42. Sarajit Basu
43. Bipin Bihary Pradhan
44. Samarendranath Maitra
45. Gopeswar Saha
46. Nandagopal Bhattacharya
47. Asimkumar Bandyopadhyaya
48. Subal Kumar Bose
49. Triptinath Banerjee
50. Kalyanbrata Datta
51. Anantakumar Chattopadhyay
52. Mihir Kumar Datta

Electrical Engineering

(Power Option)

FIRST CLASS WITH HONOURS

(In order of merit)

- | Serial Nos. | Names |
|-------------|----------------------------|
| 1. | Dipak Majumder |
| 2. | Kajol Gupta |
| 3. | Biman Roy Choudhury |
| 4. | Sankarsan Ghosh |
| 5. | Sudhir Chandra Bhar |
| 6. | Ashok Nath Sarma |
| 7. | Taher Ali |
| 8. | Mathew A. V. |
| 9. | Jagadish Chandra Vashishta |
| 10. | Janardan Nanda |
| 11. | Pramoda Chandra Pattanayak |
| 12. | Iswar Chandra Das |

FIRST CLASS

(In order of merit)

- | Serial Nos. | Names |
|-------------|---|
| 13. | Makhan Lal Deb |
| 14. | Bijoy Kumar Mohapatra |
| 15. | Asoka Ranjan Nag |
| 16. | Pushap Raj Behl |
| 17. | Joseph Earle Peter Wilkins |
| 18. | Rathindranath Guha |
| 19. | P. K. Bhattacharjee (Protip Kumar) |
| 20. | { Akhoy Kumar Brahma
Dilip Kumar Sarkar
Dilip Kumar Das |
| 23. | Chandra Kant B. Shah |
| 24. | Ranjit Kumar Pan |
| 25. | Prabal Majumdar |
| 26. | Shankar Lall Mull |
| 27. | Nebendu Datta |
| 28. | { Samir Kumar Dutt
Daya Shankar Saxena |
| 30. | Rabindra Mohan Chakravarty |
| 31. | Malay Kumar Sen |
| 32. | Dilip Kumar Dutta |
| 33. | Dilip Kumar Das |
| 34. | Jatindra Nath Sonowal |
| 35. | Jiban Kishore Das |
| 36. | Asimkumar Raychaudhuri |
| 37. | Nripesh Chandra Bhattacharya |
| 38. | Rathindra Nath Bose |
| 39. | Nimaicharan Sinha |
| 40. | Bimal Kumar Paul |
| 41. | Mihirbaran Dhar |
| 42. | Biswanath Basu |
| 43. | Sirishakant Padhi |
| 44. | Salil Kumar Ghosal |
| 45. | Kewal Krishna Chopra |
| 46. | Pradip Kumar Sen Gupta |
| 47. | Sugata Mukherjee |
| 48. | Dipak Kanti Ghose |
| 49. | Prafulla Chandra Mishra |
| 50. | Bipin Behari Mohapatra |

51. Mohindar Singh Minhas
52. Indushekhar Chakravarty
53. Bhabaniprasad Chattopadhyay
54. Subirkumar Das
55. Dhrishta Dyumna Singh Chauhan
56. Rajendra Supkar
57. Sanjan Ray
58. Lalitmani Acharya Dikshit
59. Pradip Kumar Bhattacharjee
60. Manash Kumar Ghosh
61. Subrata Basu
62. T. V. Ananthakrishnan
63. Manoj Kanti Ghose

SECOND CLASS

64. Syamprasad Dakshi
65. Supriya Ray
66. Ajaykumar Mitra
67. Nakul Chandra Dawn
68. Ajaykumar Bhattacharyya
69. Haradhan Chatterjee
70. Probir Kumar Ghosh
71. Tuhinansu Ranjan Datta Gupta

Electrical Engineering

(Communication option)

FIRST CLASS WITH HONOURS

(In order of merit)

- | Serial Nos. | Names |
|-------------|-------------------|
| 1. | Dipak Kumar Ghosh |
| 2. | Samir Kumar Datta |

FIRST CLASS

(In order of merit)

3. Debiprasad Roy Chowdhury
4. Prasanto Kumar Mukherjee
5. Arunkumar Dasgupta
6. Somendrakisor Maulik

Mechanical Engineering

FIRST CLASS WITH HONOURS

(In order of merit)

- | Serial Nos. | Names |
|-------------|------------------------------|
| 1. | Anil Kumar Parai |
| 2. | Jyotsnakumar Datta |
| 3. | C. S. Viswanathan |
| 4. | Sushil Kumar Mukhopadhyay |
| 5. | Rasendu Bhusan Putatunda |
| 6. | Jagatbandhu Chandra |
| 7. | Prasanta Kumar Sen |
| 8. | Nripendra Kumar Das Talukder |
| 9. | Amulya Bhusan Kar |
| 10. | C. K. Radhakrishnan |
| 11. | Ganeschandra Datta |
| 12. | Jogeschandra Mahapatra |
| 13. | Nilratan Paul |
| 14. | Deepak Mukhopadhyaya |
| 15. | Sukumar Bhattacharyya |
| 16. | Birendra Nath Saha |
| 17. | Manik Chandra Mukherjee |
| 18. | Purnendu Mazumdar |
| 19. | Gopendranath Basu |
| 20. | Debabrata Ray |
| 21. | Umesh Chandra Borah |
| 22. | Balaram Bose |
| 23. | Nisithkumar Mukhopadhyay |
| 24. | Sunil Mukhopadhyay |
| 25. | Susantakumar Mukhopadhyay |
| 26. | { Subratakumar Mukhopadhyay |
| | { Sunil Kumar Kundu |
| 28. | Ajoy Kumar Misra |
| 29. | Amitava Bhattacharya |
| 30. | Subirkumar Samaddar |
| 31. | Tarun Kumar Dhole |
| 32. | Sambhunath Sinha |
| 33. | Gunadhar Das |
| 34. | Mano Ranjan Saha |
| 35. | Jagmohan Singh |
| 36. | Dilip Kumar Mitra |
| 37. | Ramaballav Misra |

38. Bimalendu Chattopadhyay
39. Ajit Kumar Datta
40. Amit Mitra
41. Joyanta Kumar Mukherjee
42. Alope Kumar Mitra
43. Nagendranath Sahoo
44. Niloj Kumar Datta
45. Manindra Nath Bhattacharjee
46. Naba Gopal Dutta
47. Vinayak V Joshi
48. S. Balkrishnan
49. Mehira Rana
50. Gautam Gangopadhyay
51. Atul Kumar Biswas
52. Girdhari Lal Tiku
53. Ajaykumar Kundu
54. Birendra Kumar Pandey
55. Subir Basu
56. Yamuna Lal Maskey
57. Sunil Kanti Ghosh
58. Sajal Baran Syam Choudhury
59. Madan Gopal Aggarwal
60. Arunprosad Roy
61. Jyotirmay Mukhopadhyay
62. Dipak Kumar Banerji
63. Analkumar Chattopadhyay
64. Sunil Ranjan Das Sarma
65. Prantosh Bandyopadhyay
66. V. M. Sankaran Nambudiri
67. Prasanta Kumar Bose
68. Nirmalkanti Sen
69. Israrul Haque
70. Ranendra Nath Munshi

SECOND CLASS

71. Uriti Lakshmi Narasimham
72. Sadhan Kumar Niyogi
73. Ramesh Chandra Sharma
74. Bishnu Pada Chakraborti
75. Susanta Ranjan Choudhury
76. Jagadindranath Raychaudhuri
77. Shankar Mukherjee

78. Paritosh Raychaudhuri
79. Sunil Kumar Das-I
80. Sanjaynarayan Mukhopadhyay
81. Nimai Charan Pal
82. Ajaykumar Ray
83. Pushpakumar Raychaudhuri
84. Amalkumar Chakrabarti
85. Tarunkumar Datta
86. Santosh Singh Khatra
87. Banshibinode Bandyopadhyay
88. Makhan Lal Ganju
89. Dipak Kumar Mukherjee
90. Pradipkumar Mallik
91. Subrata Nag
92. Lalbihari Chattopadhyay
93. Gunendu Bikash Roy Chowdhury
94. Shamshed Ali Khan

Economics (Honours)

SECOND CLASS

Serial Nos.	Names
1.	Bhaskar Narayan Bhattacharyya

APPENDIX—"F"

1. Bepin Chandra Pal — For standing first in the — Probhat Kumar Sarkar
Memorial Medal subject "International Affairs" M.A. Exm of this University.
2. S. N. Bando — For securing highest agree- — Bikas Ranjan Das
Memorial Gold Medal gate of marks at the M.Sc. Final Examination combining all the different courses.
3. T. N. Deb Memorial— For standing 1st in the — Swastik
Medal paper "Metallic Minerals" Bandyopadhyaya^{ya} at the M. Sc. Examination in Geological Sciences.
4. Barindra Memorial — For standing 1st in the — Kajol Gupta
Medal subjects "Electric power Transmission" and "Electric Power Distribution" (combined) at the Bachelor of Engineering Examination.
5. Ganesh Janani Devi— For securing highest marks — Jagadish Chandra
Memorial Silver Medal in A. C. Machines (I & II) Vashishta combined at the Bachelor of Engineering Examination.
6. Satis Chandra De — For standing 1st in 1st — Nirmal Kanti Basu
Gold Medal Class and for securing highest marks among all the successful candidates of the M.A. Final Examination taking into consideration all the post-graduate courses in Arts. (Sanskrit)

7. Jatindra Krishna — For standing 1st in Chemi — Ramrabindra Ghosh
Gold Medal cal Engineering at the Bachelor of Engineering Examination.
8. Asoke Memorial — For standing 1st in Elec- — Dipak Majumdar
Medal trical Engineering (Power Option) at the Bachelor of Engineering Examination.
9. Puspa Roy Gold — For securing highest marks — Nabaneeta Dev
Medal in the 1st Class among the (Comparative Literature) Girl students combining all the courses of the Master of Arts Examination.
10. Kiron Chandra Roy — For standing 1st in Elec- — Dipak Kumar Ghosh
Memorial Medal trical Engineering (Communication Option) at the Bachelor of Engineering Examination.
11. Srish Chandra Bir — For standing First in order — Anil Kumar Parai
Pratap Medal of merit in Mechanical Eng. at the Bachelor of Engineering Examination.
12. Benoy Sarkar — For securing the highest — Dipak Majumdar (of
Memorial Gold Medal total marks combining all Electrical Engineering the different courses of the Power Option) Bachelor of Engineering Examination.
13. Pramatha Nath — For standing 1st in order — Jayanta Dutta
Bose Memorial of merit in Geological Sciences at the Master of Science Examination.
14. Arun Kumar — For securing the Second — Kajol Gupta (of Elec-
Bandopadhyay highest total marks com- trical Engineering
Memorial Medal bining all the different Power Option) courses of the Bachelor of Engineering Examination.

15. Sudhakar Barman — For standing 1st in the — B. Kameswara Rao
Smriti Medal subject 'Industrial Chemistry II' at the Bachelor of Engineering Examination.
16. Pramatha Nath Bose — For standing 1st in the — G. K. Radhakrishnan
Bronze Medal subject "Engineering Geology" at the Bachelor of Engineering Examination.
17. Alumni Association — For best all-round student — Biman Roy Chowdhury
Medal among the graduates of the year, to commemorate the occasion on which an Alumnus, Dr. T. Sen was elected Mayor of Calcutta Corporation in 1957.
18. University Medals
- (i) — For standing 1st in order — Bikasranjan Das
of merit in Mathematics at the Master of Science Examination.
- (ii) — For standing 1st in order — Bhusan Chandra Paul
of merit in English at the Master of Arts Examination.
- (iii) — For standing 1st in order of — Nirmal Kanti Basu
merit in Sanskrit at the Master of Arts Examination
- (iv) — For standing 1st in order of — Chitraparna Ray
merit in Bengali at the Master of Arts Examination.

- (v) — For standing 1st in order of — Nabaneeta Dev
merit in Comparative Literature at the Master of Arts Examination.
- (vi) — For standing 1st in order — Sourindra Nath
of merit in Economics at Bhattacherjee
the Master of Arts Examination.
- (vii) — For standing 1st in order — Gouri Sankar Dey
of merit in History at the Master of Arts Examination.

Students in different Classes

Faculty of Arts (1958-59)

	English		Bengali		Sanskrit		Comp. Lit.		History		Economics		Philosophy		International Affairs		
	I	II III	I	II III	I	II III	I	II III	I	II III	I	II III	I	II III	I	II III	
* Preparatory Arts	6	2	5	2	3	—	1	3	1	12	4	5	2	1	16	3	1
Degree Arts	35	25	33	21	7	9	10	10	33	27	26	28	23	15	29	31	—
Post-graduate Arts	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* Preparatory Arts
Degree Arts
Post-graduate Arts

Faculty of Science (1958-59)

	Mathematics			Chemistry			Physics			Geological Sciences		
	I	II	III	I	II	III	I	II	III	I	II	III
† Preparatory Science	21	9	7	22	12	15	19	13	12	20	21	16
Degree Science	34	30	—	—	—	—	9	—	—	17	13	—
Post-graduate Science...	...	...	...	...	...	...	...	...	...	...	...	...

† Preparatory Science
Degree Science
Post-graduate Science...

Faculty of Engineering (1958-59)

	Mechanical				Electrical				Civil				Chemical				Tele-Communication			
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Degree Engg.	98	107	88	155	93	94	68	66	100	99	35	—	68	62	73	74	43	—	—	—
Post-graduate Engg.	4	—	—	—	7	—	—	—	—	—	—	—	6	—	—	—	—	—	—	—
...

Degree Engg.
Post-graduate Engg.

* Total number of students 37

1958

Bodies of the University - 1958-59

ACADEMIC COUNCIL

Dr. Triguna Sen, Rector—Chairman

CHAIRMEN OF FACULTIES :

Dr. Satish Ch. Bhattacharyya — Engineering & Technology (up to 30.6.58)
Prof. Hem Chandra Guha — —do— (from 19.7.58)
Dr. Bibhuti Bhusan Sen — Science
Dr. Sushil Kumar De — Arts

HEADS OF INSTITUTIONS :

Dr. Triguna Sen, — Principal, College of Engineering & Technology
Sri Asim Kumar Datta — Dean, College of Arts

CONTROLLER OF EXAMINATIONS :

Vacant

UNIVERSITY LIBRARIAN :

Sri Ajit Kumar Mukherjee (from 18.6.58)

PROFESSORS :

1. Dr. Satish Chandra Bhattacharyya
2. Sri Hem Chandra Guha
3. Dr. Tuhin Kumar Roy
4. Sri Karunamay Ray
5. Dr. Jnan Saran Chatterjee
6. Sri Sudhir Kumar Chakravarti
7. „ Gopal Chandra Sen
8. „ Amiya Kumar Basu
9. „ Nirendra Nath Chattopadhyaya
10. „ Manmatha Nath Chakravorty
11. „ Dharendra Kumar Deb
12. „ Sailesh Chandra Das Gupta (from 1.10.58)
13. Dr. Arabinda Nath Bose
14. Dr. Bimalendu Ghosh
15. Sri Dilip Kumar Dutta (from 1.8.58)
16. Dr. Bibhuti Bhusan Sen
17. Dr. Syama Das Chatterjee
18. Dr. Sachindra Nath Mukherjee
19. Dr. Anil Kumar Majumdar

20. Dr. Bidyut Kamal Bhattacharyya
21. Dr. Sivasundar Deb
22. Sri Praphulla Kumar Guha
23. Dr. Sushil Kumar De
24. Dr. Sadananda Bhaduri
25. Sri Buddhadeva Bose
26. Sri Susobhan Chandra Sarkar
27. Sri Panchanan Chakraborty
28. Dr. Prithwish Chandra Chakravarti
29. Sri Gopinath Bhattacharyya
30. Dr. Hiralal Roy—Professor Emeritus
31. Sri Surendra Kumar Roy—Professor Emeritus
32. Dr. Sudhansu Kumar Banerji—Professor Emeritus
33. Sri Jyotsna Kumar Choudhry (from 1.9.58)

MEMBERS OF FACULTIES :

Faculty of Engineering :

1. Sri Sailesh Chandra Das Gupta (upto 30.9.58)
2. „ Madhu Sudan Sen Gupta
3. „ Pijush Kanti Som (from 17.2.59)

Faculty of Arts :

1. Dr. Rabindra Kumar Das Gupta (from 17.2.59)
2. Sri Subimal Kumar Mukherjee (from 17.2.59)

Faculty of Science :

1. Sri Bankim Chandra Mukherjee (from 17.2.59)
2. Sri Dibendra Nath Mukherjee (from 17.2.59)

MEMBERS OF THE NATIONAL COUNCIL :

1. Sri Dinabandhu Das
2. Principal Atul Chandra Roy
3. Dr. Sudhansu Kumar Banerji
4. Sri Pratap Chandra Bose
5. Sri Dinendra Kumar Nandi

EDUCATIONISTS :

1. Director, Indian Institute of Technology, Kharagpur —
Dr. S. R. Sen Gupta
 2. Director, Indian Association for the Cultivation of
Science —Prof. P. Ray
 3. Sri Pramatha Nath Bisi
 4. Principal, Presidency College, Calcutta
 5. Dr. J. P. Niyogi
- Sri Prabir Chandra Vasu Mallik, Registrar.—Secretary.

ADMINISTRATIVE COUNCIL—1958-59

- | | | |
|---------------------------|---|-----------|
| Dr. Triguna Sen, Rector | — | Chairman |
| Sri Sasanka Sekhar Bagchi | — | Treasurer |

HEADS OF INSTITUTIONS :

- | | | |
|----------------------|---|--|
| Dr. Triguna Sen | — | Principal, College of Engineering & Technology |
| Sri Asim Kumar Datta | — | Dean, College of Arts |

CHAIRMEN OF FACULTIES :

- | | | |
|----------------------------------|---|---|
| Dr. Satish Chandra Bhattacharyya | — | Engineering & Technology
(up to 30.6.58) |
| Prof. Hem Chandra Guha | — | Engineering & Technology
(from 19.7.58) |
| Dr. Bibhuti Bhusan Sen | — | Science |
| Dr. Sushil Kumar De | — | Arts |

MEMBERS OF THE NATIONAL COUNCIL :

- Sri Akshay Kumar Bose
Sri Surendra Kumar Guha
Sri Nibaran Chandra Ghosh
Sri Himangshu Sekhar Sinha
Sri Nitai Chand Mallik

REPRESENTATIVES OF CALCUTTA CORPORATION :

- Sri Dulal Chandra Mukherjee
Sri Badridas Barman
Sri Nripendra Nath Banerjee
Sri Raj Satyen Mitra
Sri P. K. Sur

NOMINEE OF GOVERNMENT OF INDIA :

- Sri Naresh Chandra Chakraverty

NOMINEE OF GOVERNMENT OF WEST BENGAL :

- Director of Public Instruction, West Bengal—
Dr. Dharendra Mohan Sen
Sri Prabir Chandra Vasu Malik, Registrar— Secretary.

FINANCE COUNCIL—1958-59

Sri Sasanka Sekhar Bagchi, Treasurer — Chairman
Dr. Triguna Sen, Rector

HEADS OF INSTITUTIONS :

Dr. Triguna Sen — Principal, College of Engineering & Technology
Sri Asim Kumar Datta — Dean, College of Arts

SECRETARY, DEPARTMENT OF FINANCE, GOVERNMENT OF WEST BENGAL :

Sri Himadri Narayan Ray

MEMBERS OF THE NATIONAL COUNCIL :

Sri Sakti Sen
Dr. Santi Bhusan Dutt

MEMBER OF THE UNIVERSITY :

Sri B. K. Rohatgi

NOMINEE OF THE GOVERNMENT OF INDIA :

Sri Samuel Mathai, Secretary, University Grants Commission.

Sri Prabir Chandra Vasu Mallik, Registrar — Secretary.

FACULTY OF ENGINEERING & TECHNOLOGY (1958-59)

Dr. Satish Ch. Bhattacharyya — Head of the Mechanical Engineering Department & Chairman of the Faculty (up to 30.6.58)
Prof. Hem Chandra Guha — Head of the Electrical Engineering Department & Chairman of the Faculty (from 19.7.58)

HEAD OF INSTITUTION :

Dr. Triguna Sen

—Principal, College of Engineering & Technology

HEADS OF DEPARTMENTS :

Prof. Hem Chandra Guha — Electrical Engineering
Dr. Tuhin Kumar Roy — Chemical Engineering
Prof. Karunamoy Ray — Civil Engineering
Dr. Jnan Saran Chatterjee — Tele-Communication Engg.

PROFESSORS :

Dr. Satish Chandra Bhattacharyya
Sri Sudhir Kumar Chakravarti
Sri Gopal Chandra Sen
Sri Amiya Kumar Basu
Sri Nirendra Nath Chattopadhyaya
Sri Manmatha Nath Chakravarti
Sri Jyotsna Kumar Choudhuri (from 1.9.58)
Sri Sailesh Chandra Das Gupta (from 1.10.58)
Dr. Arabinda Nath Bose
Dr. Bimalendu Ghosh
Sri Dilip Kumar Dutt (from 1.8.58)
Sri Dharendra Kumar Deb
Sri Sailesh Chandra Das Gupta (from 1.10.58) — Professor Emeritus
Dr. Hiralal Roy — Professor Emeritus
Sri Surendra Kumar Roy — Professor Emeritus
Dr. Sudhansu Kumar Banerji — Professor Emeritus

TWO TEACHERS CO-OPTED FROM THE FACULTY :

Sri Dilip Kumar Dutt (up to 31.7.58)
Sri Jyotsna Kumar Choudhuri (up to 2.1.58)
Sri Pijush Kanti Som (from 28.8.58)
Dr. Tarun Kumar Ghosh (from 28.8.58)

NOMINEES OF THE GOVERNMENT OF INDIA :

Sri Atul Chandra Roy
Sri Narendra Kumar Mitra

NOMINEES OF THE GOVERNMENT OF WEST BENGAL :

Sri G. P. Chatterjee
Dr. D. M. Sen

FACULTY OF ARTS (1958-59)

Dr. Sushil Kumar De —Head of the Department of Bengali
and Chairman of the Faculty

HEAD OF INSTITUTION :

Sri Asim Kumar Datta —Dean, College of Arts

HEADS OF DEPARTMENTS :

Sri Praphulla Kumar Guha —English
Sri Susobhan Chandra Sarkar —History
Sri Gopinath Bhattacharyya —Philosophy
Sri Buddhadeva Bose —Comparative Literature
Dr. Prithwish Chandra Chakravarti—International Relations
Dr. Sadananda Bhaduri —Sanskrit
Sri Panchanan Chakraborty —Economics

TWO TEACHERS CO-OPTED FROM THE FACULTY ;

Sri Ajit Kumar Dutta
Sri Bimala Prasad Mukherjee

NOMINEES OF GOVERNMENT OF INDIA :

Sri B. S. Kesavan
Dr. J. P. Niyogi

NOMINEES OF GOVERNMENT OF WEST BENGAL ;

Sri S. P. Chatterjee
Prof. S. C. Sarkar

FACULTY OF SCIENCE (1958-59)

Dr. Bibhuti Bhusan Sen—Head of the Department of Mathematics and
Chairman of the Faculty.

HEAD OF INSTITUTION :

Vacant

HEADS OF DEPARTMENTS :

Dr. Syama Das Chatterjee—Physics.
Dr. Sivasundar Deb—Geological Sciences.

PROFESSORS :

Dr. Sachindra Nath Mukherjee—Physical Chemistry
Dr. Anil Kumar Majumdar—Inorganic Chemistry.
Dr. Bidyut Kamal Bhattacharyya—Organic Chemistry.

TWO TEACHERS CO-OPTED FROM THE FACULTY :

Sri Bankim Chandra Mukherjee
Sri Dibendra Nath Mukherjee

NOMINEES OF GOVERNMENT OF INDIA :

Dr. N. Dutta Majumdar
Dr. S. K. Mitra

NOMINEES OF GOVERNMENT OF WEST BENGAL :

Dr. J. C. Sen Gupta
Sri Bhupati Mohan Sen

GUPTA & MITRA

Chartered Accountants,

A. B. GUPTA, B.Sc., LLB. (Belf.),
A.C.A. (Eng. & Wales), F.C.A.
S. N. MITRA, B.Sc., B.COM. (Lond.),
A.C.A. (Eng. & Wales), F.C.A.

Dear Sir,

WINDSOR HOUSE
P14, MISSION ROW EXTENSION,
CALCUTTA
30th October, 1959

RE: AUDIT 1958-59.

In submitting herewith the Audited Balance Sheet as at 31st March, 1959 together with Income & Expenditure Account for the year ended upon that date, we have to draw your attention to the following:—

1. A. New endowment called 'Kumar P. N. Roy Charitable Trust' for Rs. 5,00,000/- has been received and this has been shown as asset and also added to Capital.
2. The Revenue deficit for the year 1958-59 comes to Rs. 3,62,417.05 as under:—

(a) Revenue deficit for the year	Rs. : 1,04,387.19
Less : arrear grant received during the year from Government of West Bengal towards Chemical Engineering Degree Course and Post-graduate Course in Engineering Geology in respect of the year 1957-58.	Rs. 11,555.00
	92,832.19
(b) Book value of depreciation on various assets	Rs. 2,69,584.86
	Rs. 3,62,417.05
	Total

The deficit has gone to reduce the Capital.

3. The total accumulated deficit of the University as on 31st March, 1959 appears to be Rs. 16,30,581.04 (Rs. 9,13,005.62 on Capital Account and Rs. 7,17,575.42 on Revenue Account). The deficit has been met from the following funds:—

1) Ear-Marked Funds	Rs. 3,05,869.52	2,21,637.96
Less Investments	Rs. 84,231.56	3,47,529.36
2) Deposit and unpaid amount		3,68,706.50
3) Provident Fund		6,44,253.52
4) Balance of Capital grants		3,921.97
5) Unspent balance of recurring grant		1,72,868.21
6) Outstanding liabilities (Sundry Creditors)		17,58,917.52
		1,28,336.48
Less : Outstanding Assets	47,066.74	
Balance with the Bank	81,269.74	
		16,30,581.04
	Total	Rs. 16,30,581.04

Immediate steps should be taken to wipe out the arrear deficit as a considerable amount of interest is being paid on the loans and overdrafts every year. Also the Ear-Marked Funds have been used up to meet the arrear deficit. We would specially mention that under no circumstances the Provident Fund amount should be used for meeting the deficit.

4. A sum of Rs. 35,000/- has been received as grant from the Volkart Foundation for purchase of equipment for Fermentation Technology, out of which Rs. 32,660.45 has been spent for purchases of Equipment during the year.

5. Under the head 'Outstanding Receipts' it is observed that the amount due from the Calcutta Corporation for the last 4 years now stands at Rs. 75,000/-. Steps should be taken to realise this amount otherwise a certain portion may prove bad. Rs. 800/- due for Advertisement in connection with Golden Jubilee Souvenir seems very doubtful.

Also amount due for messing and canteen charges in the Hostels comes to Rs. 92,589.02 which seems rather heavy as against Rs. 60,811.93 (including Rs. 44,408.19 as advance) of last year. We understand that a substantial portion of the outstanding amount has been realised during the current year. But in our opinion the boarders should not be allowed to run into arrears.

Yours faithfully,
Sd. GUPTA & MITRA

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES	Rs. nP.	Rs. nP.
Capital :		
As per last account	4,60,207.26	
Add for P. N. Roy Charitable Trust Endowment...	5,00,000.00	
	9,60,207.26	
Less excess of Expenditure over Income carried from Total Revenue Account	3,62,417.05	5,97,790.21
Building Loan Redemption Fund :		
As per last account	60,778.25	
Add during the year	60,778.25	1,21,556.50
Capital Grant :		
Govt. of India—For		
(a) Equipment for Degree Courses in Engineering—As per last a/c	17,42,000.00	
(b) Equipment for Post Graduate Courses in Engineering Geology—As per last account	40,000.00	
(c) Equipment for Research Development in Chemical Engineering—As per last account	20,000.00	
(d) Equipment for Fundamental Research—As per last account	53,813.13	
Add Receipt during the year	14,200.00	
	68,013.13	
Less Refund during the year	7,818.65	
(e) Building for existing Degree Courses in Engineering—As per last account	60,194.48	
(f) Library Building & Reading Room—As per last account	5,84,715.00	
(g) Building for Recreation Hall cum-Auditorium—As per last account	75,000.00	
(h) Text Books for the College of Arts & Science—As per last account	35,000.00	
	20,000.00	
Carried over		25,76,909.48
		32,96,256.19

UNIVERSITY

31st March 1959.

PROPERTY & ASSETS	Rs. nP.	Rs. nP.
Endowments :		
Mrs. P. Roy & Sri U. N. Roy	1,93,000.00	
Kumar P. N. Roy Charitable Trust	5,00,000.00	6,93,000.00
Buildings, Structures & Development :		
As per last account	19,00,334.34	
Less Depreciation @ 2½%	47,508.37	
	18,52,825.97	
Dairy & Other Sheds—Agriculture		
As per last Account	7,003.98	18,59,829.95
Post Office Building :		
As per last account	17,512.35	
Less Depreciation @ 2½%	437.80	
		17,074.55
Building for Civil Engineering :		
As per last account	1,14,200.65	
Less Depreciation @ 2½%	2,855.02	
	1,11,345.63	
Addition during the year	10,481.15	1,21,826.78
Building for Hydraulic Laboratory :		
As per last account	73,269.20	
Less Depreciation @ 2½%	1,831.73	
	71,437.47	
Addition during the year	3,800.37	75,237.84
Building for N.C.C. Staff Quarters :		
As per last account	28,032.34	
Less Depreciation @ 2½%	700.80	
	27,331.54	
Addition during the year	1,78,649.67	2,05,981.21
Library Building & Reading Room :		
As per last account	1,78,787.61	
Less Depreciation @ 2½%	4,469.70	
	1,74,317.91	
Less Adjustment during the year...	7,773.06	1,66,544.85
Building under the Expansion of Training Capacity (work in progress) :		
(a) Extension of Civil Engineering Building	87,162.55	
(b) Construction during the year		
Physics & Telecommunication Building	75,576.66	1,62,739.21
Construction during the year		
Carried over		33,02,234.39

J A D A V P U R
Balance Sheet as at

CAPITAL & LIABILITIES	Rs.	nP.	Rs.	nP.
Brought Forward			32,96,256.19	
University Grants' Commission :				
(a) For Equipment for existing Degree Courses in Engineering As per last account ...	2,29,668.00			
(b) For Building for Additional accommodation for Degree Courses in Engineering As per last account 2,30,000.00 Add Receipt during the year. 1,00,000.00		3,30,000.00		
(c) For Equipment for Civil Engineering—Degree Course As per last account 80,418.02 Add Receipt during the year 19,581.98		1,00,000.00		
(d) For Equipment for the expansion of the Training Capacity of the existing Degree Courses in Engineering As per last account	2,19,832.00			
(e) For Equipment for Research Development for Physics As per last account	65,000.00			
(f) For Equipment for Research Development for Chemistry As per last account ...	65,000.00			
(g) For construction of Library Building & Reading Room As per last account 1,58,300.00 Add Receipt during the year 1,00,000.00		2,58,300.00		
(h) Building for Civil Engineering Department As per last account 2,00,000.00 Add Receipt during the year 2,00,000.00		4,00,000.00		
(i) For Building for expansion of the Training Capacity of the existing Degree Courses in Engineering As per last account 1,12,500.00 Add Receipt during the year 3,00,000.00		4,12,500.00		
Carried over			20,80,300.00	
			32,96,256.19	

UNIVERSITY

31st March 1959 (contd.)

PROPERTY & ASSETS	Rs.	nP.	Rs.	nP.
Brought Forward				33,02,234.39
Building for the College of Arts & Science :				
As per last account	2,47,349.03			
Less Depreciation @ 2½%	6,183.72			
	2,41,165.31			
Addition during the year		38,982.45		2,80,147.76
Building for Recreation Hall-Cum-Auditorium :				
As per last account	37,271.87			
Less Depreciation @ 2½%	931.80			
				36,340.07
Major Repairs of Workshop (Work in Progress)				
Additions & Alterations done during the year				9,424.87
Gymnasium Construction :				
Construction during the year				314.73
Electric Installation & Fans :				
As per last account	79,138.00			
Less Depreciation @ 10%	7,913.80			
				71,224.20
Gas & Water connection :				
As per last account	30,994.05			
Less Depreciation @ 10%	3,099.40			
				27,894.65
Hostel :				
(a) Land			3,25,262.23	
As per last account				
(b) Building				
As per last a/c	13,91,294.75			
Less Depreciation @ 2½%	34,782.37			
			13,56,512.38	
(c) Furniture & Fixture				
As per last a/c	78,781.68			
Less Depreciation @ 5%	3,939.08			
			74,842.60	
				17,56,617.21
Furniture :				
(a) For College of Engineering (Existing Degree Courses)				
As per last account	1,38,730.65			
Less Depreciation @ 5%	6,936.53			
				1,31,794.12
				56,15,992.00
Carried over				

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES	Rs.	nP.	Rs.	nP.
Brought Forward	20,80,300.00		32,96,256.19	
University Grants' Commission (Contd.)				
(j) Major Repairs of Workshop Receipt during the year	50,000.00			
(k) Construction of Hostels Receipt during the year	1,00,000.00			
(l) Books on Scientific & Technical Subjects As per last account	40,000.00			
Add Receipt during the year	25,000.00			
(m) Books & Journals on Humanities As per last account	80,000.00			
Add Receipt during the year	15,000.00			
(n) Temperature & Humidity Control in the Analytical Laboratory As per last account	17,510.00			
Add Receipt during the year	1,942.00			
(o) Furniture for Civil Engineering Receipt during the year	19,452.00			
(p) Furniture for Library Building Receipt during the year	23,333.00			
(q) Micro Film & Photostat Equip- ment for Library Receipt during the year	47,950.00			
(r) Equipment for Post Graduate Development for Physics Receipt during the year	7,600.00			
(s) Equipment for Post Graduate Development for Chemistry Receipt during the year	40,000.00			
(t) Books for Civil Engineering As per last account	40,000.00			
	16,667.00			
			25,85,302.00	
Carried over			58,81,558.19	

UNIVERSITY

31st March 1959 (Contd.)

PROPERTY & ASSETS	Rs.	nP.	Rs.	nP.
Brought Forward				56,15,992.00
Furniture (Contd.)				
(b) For College of Engineering (Expansion Scheme) Purchase during the year			25,045.90	
(i) Civil Engineering			1,426.50	
(ii) Mechanical Engineering			1,911.00	
(iii) Electrical Engineering			5,000.00	
(iv) General				
(v) Tele communication Engineering			1,453.10	34,836.50
(c) For Library As per last account			41,220.49	
Less Depreciation @ 5%			2,061.02	
			39,159.47	
Addition during the year			68,919.27	1,08,078.74
(d) Micro Film & Photostat Equipment for Library Purchase during the year				8,910.00
(e) For College of Arts & Science As per last account			1,13,389.82	
Less Depreciation @ 5%			5,669.49	
			1,07,720.33	
Addition during the year				
Physics		190.00		
Chemistry		26,575.00		
General		804.40		
			27,569.40	1,35,289.73
(f) Ceiling Fans for College of Arts & Science Purchase during the year				13,205.90
(g) For Civil Engineering As per last account			6,489.20	
Less Depreciation @ 5%			324.46	
			6,164.74	
Addition during the year			28,718.14	34,882.88
				59,51,195.75
Carried over				

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES	Rs.	nP.	Rs.	nP.
Brought Forward			58,81,558.19	
Govt. of West Bengal :				
(a) Equipment for Chemical Engineering Department				
As per last account	4,23,000.00			
(b) Building for Chemical Engineering Department				
As per last account	4,07,102.00			
(c) Equipment for Overseer Course				
As per last account	183.89			
(d) Equipment for Research Development in Physics				
As per last account	32,500.00			
(e) Equipment for Research Development in Chemistry				
As per last account	32,500.00			
(f) Equipment for Civil Engineering				
As per last account	35,837.00			
Add Receipt during the year	1,307.00			
(g) Library Building & Reading Room				
As per last account	66,700.00			
Add Receipt during the year	1,00,000.00			
(h) Building for the College of Arts & Science				
As per last account	1,66,700.00			
(i) Books for Civil Engineering				
As per last account	7,40,000.00			
(j) Building for National Cadet Officers' Quarters				
As per last account	8,333.00			
Add Receipt during the year	1,85,818.06			
(k) Furniture for College of Arts & Science				
As per last account	24,915.00			
(l) Equipment for College of Arts & Science				
As per last account	1,12,500.00			
			3,25,000.00	
Carried over	24,95,695.95		58,81,558.19	

UNIVERSITY

31st March 1959 (Contd.)

PROPERTY & ASSETS	Rs.	nP.	Rs.	nP.
Brought Forward				59,51,195.75
Equipment :				
(a) For College of Engineering & Technology (Existing Degree Courses)				
(i) Mechanical Engineering				
As per last account				
Power Tools & Accessories—Blue Earth	1,04,532.94			
Plant & Machineries—Workshop	92,549.63			
Equipment—Mechanical Engineering	5,45,150.29			
			7,42,232.86	
Less Depreciation @ 5% during the year			37,111.63	
(ii) Electrical Engineering				
As per last account	6,34,134.10			
Less Depreciation @ 5%	31,706.70			
			6,02,427.40	
Less Refund of Import duty during the year			17,072.66	
(iii) For Chemical Engineering				
As per last account	4,47,895.71			
Less Depreciation @ 5%	22,394.78			
(iv) Dehydrating Machine (Chemical Engineering)				
As per last account	12,788.22			
Less Depreciation @ 5% on Rs. 29,038.25 nP.	1,451.91			
			11,336.31	
Addition during the year			3,000.00	
(v) Physics				
As per last account	53,229.24			
Less Depreciation @ 5%	2,661.48			
(vi) Change over to Electric Sup				
As per last account	39,043.37			
Less Depreciation @ 5%	1,952.16			
(vii) Post Graduate Course in Engineering Geology				
As per last account	36,787.56			
Less Depreciation @ 5%	1,839.37			
(viii) Office Requisites				
As per last account	11,359.37			
Less Depreciation @ 10%	1,135.93			
Carried over				78,14,339.56

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES	Rs.	nP.	Rs.	nP.
Brought Forward	24,95,695	95	58,81,558	19
Govt. of West Bengal (Contd.) :				
(m) Fans for College of Arts & Science As per last account	...	7,700	00	
(n) Books for Engineering Geology As per last account	...	2,000	00	
(o) Gas Plant & Shed for the College of Science & Chemical Engineering Receipt during the year	...	18,696	00	
(p) Temperature & Humidity control in the Analytical Laboratory Receipt during the year	...	9,725	00	
(q) Building for additional accommodation for the existing Degree Courses in Engineering As per last account		40,000	00	
Add Receipt during the year	1,25,000	00		
(r) Construction of Civil Engineering Building As per last account		50,000	00	
Add Receipt during the year	1,50,000	00		
(s) Purchase of furniture for Civil Engineer ing Receipt during the year	...	11,667	00	
(t) Purchase of Furniture for Library Receipt during the year	...	23,975	00	
(u) Purchase of Microfilm & Photostat equipment for Library Receipt during the year	...	3,800	00	
(v) Equipment for Chemical Engineering Research Receipt during the year		8,992	00	
			29,47,250	95
Carried over			88,28,809	14

UNIVERSITY

31st March 1959.

PROPERTY & ASSETS	Rs.	nP.	Rs.	nP.
Brought Forward			78,14,339	56
Equipment (Contd.) :				
(ix) Tools & Accessories - Workshop As per last account		3,510	20	
Less Depreciation @ 10%		351	02	
(b) For College of Engineering - Civil Engineering - Degree Course As per last account		64,599	78	
Less Depreciation @ 5%		3,229	99	
		61,369	79	
Addition during the year		58,457	05	
(c) For College of Engineering - Fermenta- tion Technology Purchase during the year (out of Vol- kart Foundation Grant)				32,660
(d) For Gas Plants for Chemical Engineer- ing & College of Science Purchase during the year (out of West Bengal Govt. Grant)				12,495
(e) For College of Engineering & Techno- logy (Expansion Scheme) As per last account		80,274	35	
Less Depreciation @ 5%		4,013	71	
		76,260	64	
Addition during the year		43,077	92	
Mechanical Engineering		20,811	76	
Electrical Engineering				
Telecommunication		22,426	41	
Engineering		22,230	74	
Physics		1,813	35	
General				
		1,10,360	18	
(f) For College of Arts & Science As per last account		1,45,490	81	
Less Depreciation @ 5%		7,274	53	
		1,38,216	28	
Addition during the year		49,161	24	
Physics		18,309	96	
Chemistry		9,084	38	
Geological Sciences				
(g) For Research Development in Chemical Engineering As per last account		17,473	30	
Less Depreciation @ 5%		873	66	
		16,599	64	
Carried over			84,00,473	35

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES	Rs.	nP.	Rs.	nP.
Brought Forward			88,28,809.14	
Interest-Free loan :				
Govt. of India				
For construction of Hostel Buildings				
As per last account	13,53,827.00			
Less repayment during the year	50,100.25			
		13,03,726.75		
Govt. of West Bengal				
For land for Hostel Site				
As per last account	2,56,278.00			
Less repayment during the year	10,678.00			
		2,45,600.00		
Grant from Volkart Foundation :				
Receipt during the year			15,49,326.75	
			35,000.00	
Ear-Marked Prize & Stipend Funds :				
Gopikristo Bose Stipend Fund	1,950.50			
Dwijendra Memorial Scholarship Fund	50,000.00			
Surendra Nath Ghosh Memorial Fund	23,968.85			
Asoke Memorial Prize Fund	481.27			
Jatindra Krishna Prize Fund	799.24			
Manilal Chatterjee & Others Prize Fund	3,771.02			
Kristo Mohan Bose Stipend Fund	1,824.85			
Srish Chandra Bir Pratap Memorial Fund	216.34			
Jyoti Nath Memorial Fund	2,200.00			
S. K. Dutta Memorial Fund	351.00			
Sudhakar Barman Memorial Fund	801.00			
P. N. Bose Memorial Fund	1,000.00			
Mohini Mohon Bose Endowment Fund	5,000.00			
K. P. Das Gupta Memorial Fund	521.75			
Marry K. Das & Tarak Nath Das Fund	1,171.25			
Bireswar Das Gupta Memorial Fund	2,783.75			
Surendra Nath Nandan Stipend Fund	5,000.00			
Hironmoyee Debi Scholarship Fund	105.00			
Aloke Kumar Sarkar Memorial Fund	110.00			
Ganguram Varma Memorial Scholarship Fund				
Ganesh Janani Devi Memorial Fund	4,000.00			
Arun Kumar Bondyopadhyay Memorial Fund	501.00			
Satish Chandra Dey Memorial Fund	2,000.00			
Anusilan Samity Commemoration Stipend Fund	4,000.00			
Sinha Fund	15,000.00			
Puspa Roy Gold Medal Fund	51,245.80			
	4,001.00			
			1,82,803.62	
Carried over			1,05,95,939.51	

UNIVERSITY

31st March 1959 (Contd.)

PROPERTY & ASSETS	Rs.	nP.	Rs.	nP.
Brought Forward			84,00,473.35	
Equipment (Contd.) :				
(h) For Research Development in Faculty of Science				
(i) Chemistry				
As per last account	75,026.49			
Less Depreciation @ 5%	3,751.32			
	71,275.17			
Addition during the year	19,378.36		90,653.53	
(ii) Physics				
As per last account	64,544.37			
Less Depreciation @ 5%	3,227.21			
	61,317.16			
Addition during the year	20,110.83		81,427.99	
(i) For Fundamental Research to Individual Workers				
(i) Physics				
As per last Account	16,393.66			
Less Depreciation @ 5%	819.68			
	15,573.98			
(ii) Geological Sciences				
As per last account	5,451.60			
Less Depreciation @ 5%	272.58			
	5,179.02			
(iii) Chemical Engineering				
As per last account	22,670.87			
Less Depreciation @ 5%	1,133.54			
	21,537.33			
(j) For temperature & Humidity Control Arrangement in the Analytical Laboratory				
As per last account	899.30			
Less Depreciation @ 5%	44.96			
	854.34			
Addition during the year	28,118.05		28,972.39	
(k) Portraits, Tablets & Busts				
As per last Account	6,273.66			
Less Depreciation @ 5%	627.36			
	5,646.30			
(l) Academic Robes of the University				
As per last account	5,721.98			
Less Depreciation @ 20%	1,144.39			
	4,577.59			
Carried over			86,54,041.48	

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES	Rs. nP.	Rs. nP.
Brought Forward ...		1,05,95,939.51
Other Ear-Marked Funds		
Alumni Special Fund	2,602.03	
Geological Fund (Tata Trust)	1,378.36	
Lawn Tennis Fund	247.87	
Gymnasium Fund	11,653.00	
Foreign Training Loan Fund	77.44	
Equipment Fund—Mechanical Engineering	34,189.00	
Equipment Fund—Telecommunication Engineering	29,960.00	
Hostel Boarders T. B. Fund	69.45	
Fund for construction of Post Office Building	13,145.16	
Contingent Funds	4,701.00	
Industrial Tour Fund	66.25	
Tech. Fund	253.73	
University Research Fund	1,362.63	
Research Fund (Dr. S. C. Ganguly & Other Schemes)	13,131.38	
Research Fund—Soil Testing—Govt. of West Bengal	1,872.47	
Research Fund (C.S.I.R.)	8,356.13	1,23,065.90
Deposit and Unpaid Amounts :		
Deposit from Students	57,383.51	
Deposit from Hostel Boarders (Main Hostel)	75,990.00	
Deposit from Hostel Boarders (S. P. T. & J. P. Hostel)	2,110.00	
Suspense (General)	13,650.48	
Hostel Boarders' Suspense	10,391.56	
Security Deposit	662.00	
Unpaid dues of Staff	2,305.77	
Unpaid Staff Insurance Premium	9.47	
Provident Fund	3,68,706.50	
Suspense—S. G. Canteen	7.55	
National Council of Education	35,602.08	
Stipend, Prizes & Scholarships Govt. & Other bodies	78,864.26	
Stipend to displaced students	70,552.68	7,16,235.86
Outstanding Bills for Expenses & Materials		1,72,868.21
Unspent Balances of Recurring Grants		3,921.97
Expansion of the training capacity of the College of Engineering & Technology		
Carried over ...		1,16,12,031.75

UNIVERSITY

31st March 1959 (Contd)

PROPERTY & ASSETS	Rs. nP	Rs. nP.
Brought Forward		86,54,041.48
Agricultural Assets :		
(a) Apparatus & Appliances	1,130 40	
As per last account	1,130 40	Nil
Less Depreciation		
(b) Cattle Stock	9,033.00	
As per last account	6,319.25	2,713.75
Less sold during the year		
Books & Journals :		
(a) College of Engineering & Technology		
(i) Existing Degree Courses		
As per last account	1,09,042.30	1,03,590.19
Less Depreciation @ 5%	5,452.11	
(ii) Post Graduate Course in Engineering Geology		
As per last account	1,896 80	1,801.96
Less Depreciation @ 5%	94.84	
(iii) Civil Engineering-Degree Course		
As per last account	7,659.28	
Less Depreciation @ 5%	382.96	
Addition during the year	7,276.32	18,091.34
	10,815.02	
(b) Humanities		
As per last account	62,752.74	
Less Depreciation @ 5%	3,137.63	
Addition during the year	59,615.11	80,735.67
	21,120.56	
(c) Technical & Scientific Subjects		
As per last account	39,629.36	
Less Depreciation @ 5%	1,981.46	
Addition during the year	37,647.90	
Physics	3,472.61	
Chemistry	6,003.06	
Mathematics	3,762.75	
Geological Sciences	3,257.05	
Mechanical Engineering	608.75	
Electrical Engineering	4,325.38	
Chemical Engineering	447.96	
	21,877.56	59,525.46
Carried Over		89,20,499.85

JADAVPUR
Balance Sheet as at

CAPITAL & LIABILITIES	Rs nP.	Rs. nP.
Brought Forward		1,16,12,031.45
Carried over		1,16,12,031.45

UNIVERSITY
31st March 1959 (Contd.)

PROPERTY & ASSETS	Rs. nP.	Rs. nP.
Brought Forward		89,20,499.85
Books & Journals (Contd):		
(d) Text Books for the College of Arts & Science	14,849.34	
As per last account	742.46	
Less Depreciation @ 5%	14,106.88	
	5,160.53	19,267.41
Addition during the year		29,067.54
Loans & Advances :		
Other Advances :		
Advances for Hostel Expenses	1,050.34	
Advances for Building construction & Materials	17,65,006.72	17,66,057.06
Deposit & Realisable Amount :		
Electric Meters	156.30	
Income Tax	29.00	
Unesco-Book Coupons	36.56	
Disposal Stores—Cossipore	10,169.13	
Blazer Fund	1,374.75	
Advance for Research Schemes of I. C. A. R.	2,519.37	16,948.86
Others	2,663.75	49,618.38
Valuation of Stock in Stores :		
Outstanding Receipts :		
Calcutta Corporation Recurring Grant	75,000.00	
Golden Jubilee Souvenir Advertisement	800.00	
Hostel (Main) Messing Dues	74,889.52	
Hostel (S.P.T. & J.P.) Messing Dues	9,429.47	
Hostel (Main) Canteen Charges	8,270.03	1,68,389.02
Investment (at Book Value) :		
(a) General Fund		
3% Conversion Loan—1946 (Face value Rs. 77,200/-)	76,152.25	
3% Loan—1896-97 (Face value Rs. 3,10,000/-)	3,11,501.03	
4% C.P.T.D.—1914 (Face value Rs 48,000/-)	48,000.00	4,35,653.28
(b) Joint Stock Companies' Shares		41,028.75
Carried over		1,14,46,530.15

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES	Rs.	nP.	Rs.	nP.
Brought Forward			1,16,12,031.45	
Carried over			1,16,12,031.45	

UNIVERSITY

31st March, 1959 (Contd.)

PROPERTY & ASSETS	Rs.	nP.	Rs.	nP.
Brought Forward				1,14,46,530.15
Investment (at Book Value) (Contd.) :				
(c) Ear-Marked Funds				
(i) Ashoke Memorial Prize Fund A/C 'E' 3% Conversion Loan—1946 (Face value Rs. 700/-)	481.25			
(ii) Gopi Kristo Bose Stipend Fund A/C 'F' 3% Loan—1896-97 (Face value Rs. 1600/-)	1,600.00			
(iii) Jatindra Krishna Prize Fund A/C 'H' 3% Conversion Loan—1946 (Face value Rs. 800/-)	799.25			
(iv) Kristo Mohan Bose Stipend Fund A/C 'G' 3% Conversion Loan—1946 (Face value Rs. 1,600/-)	1,600.00			
(v) Monilal Chatterjee & other Stipend Fund A/C 'I' 3% Conversion Loan—1946 (Face value Rs. 3,100/-)	3,100.00			
(vi) Sris Chandra Bir Protap Memorial Fund A/C 'J' 3% Conversion Loan—1946 (Face value Rs. 300/-)	195.75			
(vii) Surendra Nath Ghosh Memorial Fund A/C 'K' 3% Conversion Loan—1946 (Face value Rs. 22,400/-)	21,105.31			
(viii) Sinha Fund A/C 'L' 3% Conversion Loan—1946 (Face value Rs. 32,000/-)	31,900.00			
(ix) Kali Prasanna Das Gupta Memorial Fund A/C 'M' 3% Conversion Loan—1946 (Face value Rs. 500/-)	500.00			
(x) Jyotinath Memorial Scholarship Fund A/C 'N' 3% Conversion Loan—1946 (Face value Rs. 2,200/-)	2,200.00			
(xi) Dwijendra Memorial Scholarship Fund A/C 'O' 4% West Bengal Govt. Loan—1967 (Face value Rs. 10,000/-)	10,000.00			
(xii) Bireswar Das Gupta Memorial Fund A/C 'P' 3½% 10 years T. S. D. Certificate (Face value Rs. 2,600/-)	2,600.00			
(xiii) Sm. Puspa Roy Gold Medal Fund A/C 'Q' 4% 10 years T.S.D. Certificate (Face value Rs. 4,000/-)	4,000.00			
Carried over	80,081.56			1,14,46,530.15

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES	Rs.	nP.	Rs.	nP.
Brought Forward			1,16,12,031.45	
				1,16,12,031.45

UNIVERSITY

31st March 1959 (Contd.)

PROPERTY & ASSETS	Rs.	nP.	Rs.	nP.
Brought Forward	80,081.56		1,14,46,530.15	
Investment :				
(c) Ear-Marked Funds (Contd.)				
(xiv) Satish Chandra Dey Gold Medal Fund A/C 'R'				
4% 10 years T.S.D. Certificate (Face value Rs. 4, 150/-)	4,150.00		84,231.56	
Cash and Bank Balances :				
Cash in hand		Nil		
Balance with State Bank of India				
A/C Jadavpur University	59,633.25			
A/C College of Engineering & Technology	19,783.36			
A/C Alumni Fund	367.85			
A/C Letter of Credit	1,485.28		81,269.74	81,269.74
				1,16,12,031.45

We have audited the above Balance Sheet as at 31st March, 1959 and annexed Income & Expenditure Accounts for the year ended on that date. Subject to our separate report of even date, the Balance Sheet exhibits a true and fair view of the state of the University's affairs according to the best of our information and explanations given to us and as shown by the books of the University.

GUPTA & MITRA
Chartered Accountants
Auditors.

JADAVPUR

Total Revenue Account for the

EXPENDITURE	Rs.	nP.
To Depreciation on :		
Buildings, Structures & Developments	47,946.17	
Buildings for Library & Reading Room	4,469.70	
Buildings for N.C.C. Staff Quarters	700.80	
Buildings for College of Arts & Science	6,183.72	
Buildings for Recreation Hall-cum-Auditorium	931.80	
Building for Civil Engineering	2,855.02	
Building for Hydraulic Laboratory	1,831.73	
Electric Installation & Fans	7,913.80	
Gas & Water connection	3,099.40	
Furniture for College of Engineering	6,936.53	
Furniture for Library	2,061.02	
Furniture for College of Arts & Science	5,669.49	
Furniture for Civil Engineering	324.46	
Hostel Buildings	34,782.37	
Hostel—Furniture & Fixture	3,939.08	
Equipment—Power Tools & Accessories (Blue Earth Workshop)	5,226.64	
Plant & Machineries—Workshop	4,627.48	
Equipment—Mechanical Engineering	27,257.51	
Equipment—Electrical Engineering	31,706.70	
Equipment—Chemical Engineering	22,394.78	
Equipment—Chemical Engineering Dehydrating Machine	1,451.91	
Equipment—Physics-College of Engineering	2,661.48	
Equipment—Post Graduate Courses in Engineering Geology	1,839.37	
Equipment—Change over to Electric Supply	1,952.16	
Equipment—Civil Engineering Department	3,229.99	
Equipment for Expansion of the Training capacity of the College of Engineering	4,013.71	
Equipment—Temperature & Humidity & Control	44.96	
Equipment—Physics-College of Arts & Science	2,213.19	
Equipment—Chemistry-College of Arts & Science	1,348.74	
Equipment—Geological Science	3,502.02	
Equipment—Mathematics & General-College of Science	210.58	
Equipment—Research Development-Chemical Engineering	873.66	
Equipment—Chemistry-Research Development	3,751.32	
Equipment—Physics-Research Development	3,227.21	
Equipment—Physics-Fundamental Research	819.68	
Equipment—Chemical Engineering- Fundamental Research	1,133.54	
Equipment—Geological Science- Fundamental Research	272.58	
Carried over	2,53,404.30	

UNIVERSITY

Year Ended 31st March, 1959.

INCOME	Rs.	nP.
By Grant from Govt. of West Bengal :		
For maintenance of Post Graduate Course in Engineering Geology (since abolished)		5,971.00
For arrear recurring grant for the Chemical Engineering Dept. for 1957-58		5,584.00
„ Excess of Income over Expenditure for maintenance of University & College of Arts & Science carried from summary of Income & Expenditure Account		3,857.60
Carried over		15,412.60

JADAVPUR

Total Revenue Account for the

EXPENDITURE	Rs. nP.	Rs. nP.
To Brought Forward	2,53,404.30	
„ Depreciation (Contd.) :		
Office Requisites	1,135.93	
Portraits, Tablets & Bust	627.36	
Academic Robes of the University	1,144.39	
Tools, Accessories—Workshop	351.02	
Books & Journals—College of Engineering	5,452.11	
Books & Journals—on Humanities	3,137.63	
Books & Journals on Technical & Scientific Subjects	1,981.46	
Books & Journals on Civil Engineering	382.96	
Books & Journals on Post Graduate Course in Engineering Geology	94.84	
Text Books for the College of Arts & Science	742.46	
Agriculture—Apparatus & Appliances	1,130.40	2,69,584.86
„ Excess of Expenditure over Income for Degree Course in Mechanical & Electrical Engineering carried from summary of Income & Expenditure Account		67,987.40
„ Excess of Expenditure over Income for Degree Course in Civil Engineering carried from summary of Income & Expenditure Account		40,257.39
		3,77,829.65

UNIVERSITY

year ended 31st March, 1959

INCOME	Rs. nP.	Rs. nP.
By Brought Forward		15,412.60
„ Balance-excess of Expenditure over Income carried to Balance Sheet		3,62,417.05
		3,77,829.65

GUPTA & MITRA
Chartered Accountants
Auditors.

JADAVPUR

Income & Expenditure on General Account

EXPENDITURE	Rs.	nP.	Rs.	nP.
To Administration & Officers of the University :				
Rector	30,000·00			
Registrar	16,930·00			
Treasurer	3,000·00			
Provost	11,245·81			
Financial Adviser	9,600·00			
Provident Fund Contribution	4,722·92		75,498·73	
Office :				
Office Staff (Salary & Allowances)	10,458·30			
Bearers (Salary & Allowances)	1,184·78			
Provident Fund Contribution	546·68			
Leave, Vacancies & Allowances	5,500·00			
House Allowances to Administrative & Subordinate Staff	16,222·56		33,912·32	
Medical Officer :				
Annuity under Endowments :			3,600·00	
Convocation Expenses :			7,505·40	
Basu Mallik Chair :			19,819·82	
Examination :			2,250·00	
Assistant Controller (Allowances)	1,200·00			
Office Staff (Salary & Allowances)	9,849·85			
Bearers (Salary & Allowances)	2,286·47			
Provident Fund Contribution	743·93			
Leave Vacancies & Allowances	61·81			
Examiners' and Paper Setters' Fees	43,609·21			
Honararium to Tabulators & Helpers	6,576·96			
Printing, Postage & Stationery	23,704·68			
Contingencies	1,689·70		89,722·61	
Library :				
Chief Librarian (Salary & Allowances)	5,186·50			
Office Staff (Salary & Allowances)	24,571·88			
Bearers & Sweepers (Salary & Allowances)	6,563·28			
Provident Fund Contribution	923·53			
Leave, Vacancies & Allowances	3,460·34			
General Books & Periodicals	4,423·38			
Binding Charges	2,825·94			
Printing, Stationery & Contingencies	4,520·69			
Electricity Charges	8,301·27		60,776·81	
Carried over			2,93,085·69	

UNIVERSITY

for the year Ended 31st March, 1959

INCOME	Rs.	nP.	Rs.	nP.
By Examination :				
Examination Fee	77,119·55			
Registration Fee (University)	3,156·00			
Mark-Sheet & Transcript Fee	3,186·15			
Sale of Question Papers	4·50			
Scrutiny of Answer Papers	185·00			
Migration Certificate Fee	220·00		83,871·20	
Students' Amenities :				
Students' Magazine Fee	5,106·50			
Students' Union Fee	4,264·00			
Sporting Fee	10,214·00			
Medical Examination Fee	2,042·00			
Student's Health Home Fee	2,060·00			
Contingency Fee	4,086·00			
Exhibition Income	1,000·75		28,773·25	
Students' Aid Fund :				
Students' Aid Fee	2,286·50			
Donation from other sources	531·00			
Contribution by the University Grants Commission	2,780·00		5,597·50	
Grant for Educational Tour :				
Govt. of India	2,432·00			
Govt. of West Bengal	652·00		3,084·00	
Grant from Govt. of India :				
For Intersersity Youth Festival			1,597·00	
Interest & Dividend :				
Grant from University Grants Commission				
For Extension works of University Teachers			10,366·09	
(For Extension works of University Teachers Southern Avenue)			3,290·00	
Rent from Buildings				
(Southern Avenue)			7,540·00	
National Council of Education :				
Towards contribution for Basu Mallik Chair			2,250·00	
Miscellaneous Receipts :				
Hire charges of Academic Robes	1,035·00			
Other contingent receipts	2,038·08		3,073·08	
Carried over			1,49,442·12	

JADAVPUR

Income & Expenditure on General Account

EXPENDITURE	Rs.	nP.	Rs.	nP.
To Brought Forward			2,93,085	69
„ Students Amenities				
Physical Instructors & Bearer (Salary & Allowances)	5,015	53		
Students' Magazine	2,179	15		
Students' Union	7,889	84		
Sporting & Physical Culture	17,012	96		
Medical Examination of Students	695	00		
Exhibition Expenses	1,304	32		
Students' Health Home	2,056	00	36,152	80
„ Administrative Expenses for Youth Welfare Committee				
Staff (Salary & Allowances)	5,874	91	7,275	83
Contingent Expenses	1,400	92	3,010	08
„ Educational Tour				
„ Students' Aid Fund				
„ Intervarsity Activities				
Intervarsity Sports activities	10,381	56		
Intervarsity Youth Festival & other Intervarsity activities	9,271	30		
Annual contribution & Membership Fee	2,321	77	21,974	63
„ Other Contingent Expenses				
Deputation Expenses	5,390	19		
Rent & Taxes on Southern Avenue Buildings	2,834	28		
Academic Robes of the University	1,904	20		
Repairs & Maintenance	10,559	93		
Printing, Postage & Stationery	12,175	80		
Contingent Expenses	1,171	10	34,035	50
			4,00,642	53
To Balance brought down			2,51,200	41
			2,51,200	41

UNIVERSITY

for the year ended 31st March, 1959 (Contd.)

INCOME	Rs.	nP.	Rs.	nP.
By Brought Forward			1,49,442	12
„ Balance carried forward			2,51,200	41
			4,00,642	53
By Unspent balance of Grant for Youth Welfare Board			7,660	00
„ Excess of Expenditure over Income carried to summary of Income & Expenditure Account			2,43,540	41
			2,51,200	41

GUPTA & MITRA
Chartered Accountants
Auditors.

J A D A V P U R
COLLEGE OF ENGINEERING

Income & Expenditure Account for the Existing Degree Courses in "Mechanical"

EXPENDITURE	Rs.	nP.	Rs.	nP.
To Administration			600-00	
Chairman of the Faculty of Engineering				
„ Mechanical Engineering Department				
Teaching Staff (Salary & Allowances)	1,82,731-91			
Laboratory & Store Assistants (Salary & Allowances)	2,699-90			
Mistries, Helpers & Bearers (Salary & Allowances)				
Laboratory	7,238-72			
Work-Shop	44,306-19			
Provident Fund Contribution	15,553-05			
Leave, Vacancies & Allowances	69-72			
Laboratory Teaching Expenses	1,659-08			
Workshop Teaching Expenses	6,903-18			
Power (Staff & Stores)	10,234-86			
Repairs & Maintenance :—				
Furniture & Equipment	1,920-01			
Books & Journals	2,229-21			
Contingencies :—				
Laboratory	834-84			
Workshop	1,116-85		2,77,497-52	
„ Electrical Engineering Department				
Teaching Staff (Salary & Allowances)	1,03,444-89			
Laboratory Asst. (Salary & Allowances)	2,095-00			
Mistries, Helpers & Bearers (Salary & Allowances)				
Provident Fund Contribution	12,919-93			
Leave, Vacancies & Allowances	8,310-67			
Laboratory Teaching Expenses	10,012-27			
Excursion Expenses	5,205-41			
Repairs & Maintenance :—	961-90			
Furniture & Equipment				
Building	297-17			
Books & Journals	249-89			
Contingencies	2,874-40		1,47,506-03	
Contingencies	1,134-50			
„ Physics				
Teaching Staff (Salary & Allowances)	17,685-00			
Laboratory Asst. (Salary & Allowances)	2,296-20			
Bearers (Salary & Allowances)	3,218-57			
Provident Fund Contribution	1,667-97			
Leave, Vacancies & Allowances	317-02			
Laboratory Teaching Expenses	2,085-16			
Repairs & Maintenance :—				
Furniture & Equipment				
Building	230-80			
Contingencies	374-58			
Contingencies	127-25		28,002-55	
Carried Over			4,53,606-10	

UNIVERSITY
& TECHNOLOGY, BENGAL

& "Electrical" Engineering for the year ended 31st March 1959

INCOME	Rs.	nP.	Rs.	nP.
By Fees from Students				96,913-00
Mechanical & Electrical Engineering				
„ Rent & Conservancy	7,950-72			
Staff quarters & Other buildings	1,024-50			
Subordinate Staff Quarters	2,559-72		11,534-94	
Staff Quarters-Puddapukur				
„ Subvention from Govt. of West Bengal				42,646-38
For Dearness Allowance				
„ Other Receipts	4,424-39			
Breakage, Fines, etc.	7,320-00			
Admission Fee	2,018-42			
Sale proceeds of Prospectus	25,081-00		38,843-81	
Registration-Admission				
„ Recurring Grant				
University Grants Commission	5,98,000-00			
For Maintenance of Degree Courses				
For Arrear pay for Revision of pay	2,140-00		6,00,140-00	
Scales of Staff of the Faculty of Science				
„ Govt. of West Bengal				
For Revision of Pay Scales of Staff of the	55-00			
Faculty of Science	20,000-00		20,055-00	
Corporation of Calcutta				
Carried Over				8,10,133-13

J A D A V P U R
COLLEGE OF ENGINEERING &

Income & Expenditure Account for the Existing Degree Courses in "Mechanical" &

EXPENDITURE	Rs.	nP.	Rs.	nP.
To Brought Forward			4,53,606.10	
„ Mathematics :				
Teaching Staff (Salary & Allowances)	25,888.41			
Provident Fund Contribution	2,092.74			
Contingencies	11.80		27,992.95	
„ Humanities :				
Teaching Staff (Salary & Allowances)	9,555.00			
Provident Fund Contribution	383.73		9,938.73	
„ National Cadet Training :				
Honorarium to Cadet Officers	3,452.10			
Amenities to Cadet	2,182.95		5,635.05	
„ Annual Prizes :				
„ Gratuity to Staff :				
„ Training of Corporation Trainees			3,210.00	
„ Other Teaching Expenses :			9,440.00	
Advertisement Expenses			6,859.89	
Printing of Prospectus	3,557.49			
„ Dearness Allowance - Govt. of West Bengal	1,796.01		5,353.50	
„ Arrear pay under Revision of Pay Scales :			43,043.68	
(For Staff under Faculty of Science)				
„ Office Expenses :			2,675.00	
Office Staff (Salary & Allowances)				
Leave, Vacancies & Allowances	61,436.95			
„ Subordinate Staff :	3,500.00		64,936.95	
Darwans, Sweepers Males & Bearers				
Leave, Vacancies & Allowances	53,345.31			
„ Other Establishment :	2,117.75		55,463.06	
General Maintenance Staff				
Electric Installation Maintenance Staff	28,480.81			
Construction Maintenance Staff	11,363.27			
Play ground Maintenance Staff	4,818.50			
Leave, Vacancies & Allowances	4,540.00			
„ Provident Fund Contribution :	560.43		49,763.01	
Office, Subordinate Staff & Other				
Establishment			9,987.32	
Carried over			7,47,905.24	

UNIVERSITY
TECHNOLOGY, BENGAL

"Electrical" Engineering for the Year Ended 31st March 1959 (Contd.)

INCOME	Rs.	nP.	Rs.	nP.
By Brought Forward			8,10,133.13	
„ Excess of Expenditure over				
Income carried to summary of				
Income & Expenditure Account			47,736.44	
Carried over			8,57,869.57	

J A D A V P U R
MAINTENANCE OF THE UNIVERSITY
 Summary of Income & Expenditure Account

EXPENDITURE	Rs. nP.	Rs. nP.
To Excess of Expenditure over Income carried from Income & Expenditure Account for University (General)	2,43,540.41	
„ Excess of Expenditure over Income carried from Income & Expenditure Account for Chemical Engineering	4,105.99	
„ Excess of Expenditure over Income carried from Income & Expenditure Account for College of Arts & Science	6,43,627.23	
„ Excess of Expenditure over Income carried from Research Schemes-Faculty of Science	29,868.77	9,21,142.40
„ Excess of Income over Expenditure carried to Total Revenue Account		3,857.60
		9,25,000.00

MAINTENANCE OF THE EXISTING DEGREE COURSES

To Excess of Expenditure over Income carried from Income & Expenditure Account for Degree Courses in Mechanical & Electrical Engineering		47,736.44
„ Excess of Expenditure over Income carried from Hostel Account		20,250.96
		67,987.40

MAINTENANCE OF THE DEGREE

To Excess of Expenditure over Income carried from Income & Expenditure Account		40,257.39
		40,257.39

U N I V E R S I T Y
AND COLLEGE OF ARTS & SCIENCE
 for the Year Ended 31st March, 1959

INCOME	Rs. nP.	Rs. nP.
By Grant from Govt. of West Bengal for Maintenance of the University		9,25,000.00
		9,25,000.00

IN MECHANICAL & ELECTRICAL ENGINEERING

By Excess of Expenditure over Income carried to Total Revenue Account		67,987.40
		67,987.40

COURSES IN CIVIL ENGINEERING

By Excess of Expenditure over Income carried to Total Revenue Account		40,257.39
		40,257.39

GUPTA & MITRA
 Chartered Accountants
 Auditors.

J A D A V P U R
COLLEGE OF ENGINEERING &
CHEMICAL ENGINEERING

Income & Expenditure Account for the Degree Courses in "Chemical"

EXPENDITURE	Rs.	nP.	Rs.	nP.
Chemical Engineering Department :				
Teaching Staff (Salary & Allowances)	1,13,778	51		
Laboratory, Store & Library Asst. (Salary & Allowances)	4,685	74		
Mistries, Helpers & Bearers (Salary & Allowances)	15,207	67		
Provident Fund Contribution	9,437	88		
Leave Vacancies & Allowances	8,862	51		
Laboratory teaching Expenses	22,766	44		
Power (Staff & Stores)	10,234	86		
Excursion Expenses	1,177	62		
Repairs & Maintenance :				
Furniture & Equipment	1,573	89		
Gas & Water connection	1,815	02		
Buildings	2,084	41		
Books & Journals	6,894	40		
Contingencies	1,452	57		
			1,99,971	52
Chemical Engineering Department :				
Research Expenses	9,297	10		
Research Scholarship (out of Govt. of India Grant)	9,817	00	19,114	10
			2,19,085	62
Balance brought down			8,025	37
			8,025	37

U N I V E R S I T Y
TECHNOLOGY, BENGAL
DEPARTMENT

Engineering for the year ended 31st March, 1959

INCOME	Rs.	nP.	Rs.	nP.
Fees From Students				
Tuition Fee			40,585	00
Recurring Grant :				
Govt. of West Bengal			1,62,246	00
Research Scholarship from Govt. of India			8,229	25
			8,025	37
By Balance brought down			2,19,085	62
By Research Scholarship from Government of India carried from last years account			3,919	38
By Excess of Expenditure over Income carried to summary of Income & Expenditure Account			4,105	99
			8,025	37

GUPTA & MITRA
Chartered Accountants
Auditors,

**J A D A V P U R
COLLEGE OF**

Income & Expenditure Account for the

EXPENDITURE	Rs.	nP.	Rs.	nP.
To Administration :				
Dean of the College of Arts (Salary & Allowances)	18,391·67			
Provident Fund Contribution	1,472·62		19,864·29	
„ Department of Bengali :				
Teaching Staff (Salary & Allowances)	45,119·56			
Provident Fund Contribution	1,592·63			
Books & Journals	936·26		47,648·45	
„ Department of Comparative Literature :				
Teaching Staff (Salary & Allowances)	33,847·00			
Provident Fund Contribution	694·70			
Books & Journals	217·80		34,759·50	
„ Department of Economics :				
Teaching Staff (Salary & Allowances)	48,854·41			
Provident Fund Contribution	2,724·05			
Books & Journals	1,438·89		53,017·35	
„ Department of English :				
Teaching Staff (Salary & Allowances)	54,856·39			
Provident Fund Contribution	1,359·16			
Books & Journals	1,026·24		57,241·79	
„ Department of History :				
Teaching Staff (Salary & Allowances)	47,469·62			
Provident Fund Contribution	2,797·55			
Books & Journals	333·46		50,600·63	
„ Department of International Relations :				
Teaching Staff (Salary & Allowances)	43,748·51			
Bearer (Salary & Allowances)	1,370·89			
Provident Fund Contribution	1,674·37			
Contingencies	59·73			
Books & Journals	1,141·23		47,994·73	
„ Department of Philosophy :				
Teaching Staff (Salary & Allowances)	45,086·11			
Provident Fund Contribution	1,539·58			
Books & Journals	1,267·07		47,892·76	
„ Department of Sanskrit :				
Teaching Staff (Salary & Allowances)	34,524·30			
Provident Fund Contribution	2,279·59			
Books & Journals	541·75		37,345·64	
„ Department of Physics :				
Teaching Staff (Salary & Allowances)	80,337·09			
Laboratory & Store Assistants (Salary & Allowances)	3,601·74			
Mistries, Helpers & Bearers (Salary & Allowances)	14,039·59			
Carried over	97,978·42		3,96,365·14	

**U N I V E R S I T Y
ARTS & SCIENCE**

Year Ended 31st March, 1959

I N C O M E	Rs.	nP.	Rs.	nP.
By Fees from Students :				
Tuition Fee				1,17,444·00
„ Fees for Language Classes :				
French	360·00			
Russian	420·00			
German	2,768·00			3,548·00
„ Other Receipts :				
Admission Fee	8,888·00			
Breakage & Fine	1,767·51			
Sale proceeds of Prospectus	917·90			
Registration (Admission)	3,846·00			15,419·41
„ Subvention from Govt. of West Bengal :				
For Dearness Allowance				27,766·75
„ Recurring Grant :				
University Grants' Commission— for Revision of pay Scales Govt. of West Bengal	6,854·84			
For Revision of Pay Scales For Maintenance of the College	269·84			
	80,000·00			87,124·68
„ Excess of Expenditure over Income carried to summary of Income & Expenditure Account				6,43,627·23
Carried over	...			8,94,930·07

JADAVPUR

COLLEGE OF

Income & Expenditure Account for the

EXPENDITURE	Rs.	nP.	Rs.	nP.
To Brought Forward	97,978.42		3,96,365.14	
„ Department of Physics (Contd.)				
Provident Fund Contribution	4,540.16			
Leave, Vacancies & Allowances	64.84			
Laboratory Teaching Expenses	10,679.73			
Repairs & Maintenance	1,049.77			
Books & Journals	2,512.09			
Contingencies	654.03		1,17,479.04	
„ Department of Chemistry				
Teaching Staff (Salary & Allowances)	1,10,618.79			
Laboratory, Store & Office Assts. (Salary & Allowances)	2,603.71			
Mistries, Helpers & Bearers (Salary & Allowances)	5,921.30			
Provident Fund Contribution	5,878.43			
Leave, Vacancies & Allowances	2,284.03			
Laboratory Teaching Expenses	46,506.69			
Excursion Expenses	553.88			
Repairs & Maintenance	1,596.92			
Books & Journals	3,298.45			
Contingencies	706.27		1,79,968.47	
„ Department of Mathematics				
Teaching Staff (Salary & Allowances)	48,058.42			
Bearer (Salary & Allowances)	640.85			
Provident Fund Contribution	1,421.37			
Leave Vacancies & Allowances	.70			
Books & Journals	1,045.39			
Contingencies	101.38		51,268.11	
„ Department of Geological Sciences				
Teaching Staff (Salary & Allowances)	47,832.34			
Laboratory Assistants (Salary & Allowances)	1,320.00			
Technical Staff & Bearer (Salary & Allowances)	3,769.35			
Provident Fund Contribution	2,886.51			
Leave, Vacancies & Allowances	36.48			
Laboratory Teaching Expenses	5,727.33			
Repairs & Maintenance	225.62			
Field-work Expenses	6,500.41			
Books & Journals	2,662.30			
Contingencies	2,392.54		73,352.88	
Carried over			8,18,433.64	

UNIVERSITY

ARTS & SCIENCE

year ended 31st March, 1959

INCOME	Rs.	nP.	Rs.	nP.
By Brought Forward			8,94,930.07	
Carried over			8,94,930.07	

JADAVPUR
Income & Expenditure Account

EXPENDITURE	Rs. nP.	Rs. nP.
To Hostel-Main		
Staff (Salary & Allowances)	12,381.54	
Provident Fund Contribution	482.76	
Leave, Vacancies & Allowances	145.84	
Rent & Taxes	2,586.64	
Electricity Charges	12,808.54	
Telephone	278.44	
Union Expenses	7,239.92	
Establishment Charges	10,627.84	
Social Charges	2,562.25	
Utensils & Stores	2,172.25	
Repairs & Maintenance :—		
Furniture & Fixtures	44.00	
Sanitary & Electric Installations	576.14	
Building & Sites	132.00	
Contingencies	1,789.05	
Repayment of Interest free Loan for Land & Buildings (Building Loan Redemption Fund)	60,778.25	
„ Hostel-Jadavpur Polytechnic & School of Printing Technology		
Staff (Salary & Allowances)	1,080.87	
Amenities for Boarders	1,213.30	
Utensils	1,084.88	
Electricity Charges	1,815.51	
Establishment Charges	953.34	
Contingencies	459.67	
		1,14,605.46
		6,607.57
		1,21,213.03

UNIVERSITY-HOSTELS
for the Year Ended 31st March, 1959.

INCOME	Rs. nP.	Rs. nP.
By Hostel-Main	60,205.70	
Seat Rent from Boarders	2,365.00	
Admission Fee	10,918.39	
Electricity Charges	5,661.69	
Union Fee	8,620.40	
Establishment Fee	1,045.75	
Social Fee	1,256.08	
Fine & Sale of Receipt Books		90,073.01
„ Hostel-Jadavpur Polytechnic & School of Printing Technology		
Seat Rent	7,618.30	
Admission Fee	485.00	
Electricity Charges	1,018.00	
Establishment Charges	1,720.78	
Fine, Sale of Receipt Books etc.	46.98	
„ Excess of Expenditure over Income carried to summary of Income & Expenditure Account		20,250.96
		1,21,213.03

J A D A V P U R
COLLEGE OF ENGINEERING &
EXPANSION OF THE TRAINING CAPACITY OF
 Income & Expenditure Account for the

EXPENDITURE	Rs. nP.	Rs. nP.
To Mechanical Engineering Department		
Teaching Staff (Salary & Allowances)	55,337.94	
Laboratory & Office Assistants (Salary & Allowances)	1,439.68	
Technical Staff, Helpers & Bearers (Salary & Allowances)	11,665.75	
Provident Fund Contribution	4,374.42	
Leave, Vacancies & Allowances	30.85	
Laboratory & Working Expenses	4,727.36	77,576.00
„ Electrical Engineering Department		
Teaching Staff (Salary & Allowances)	18,715.00	
Laboratory & Office Assistant (Salary & Allowances)	1,829.52	
Technical Staff, Helpers & Bearers (Salary & Allowances)	4,391.96	
Provident Fund Contribution	1,146.68	
Leave, Vacancies & Allowances	20.43	
Laboratory & Working Expenses	7,031.66	33,135.25
„ Civil Engineering Department		
Teaching Staff (Salary & Allowances)	10,429.41	
Laboratory & Office Assistants (Salary & Allowances)	532.32	
Technical Staff, Helpers & Bearers (Salary & Allowances)	5,791.45	
Provident Fund Contribution	84.40	
Leave, Vacancies & Allowances	23.54	
Laboratory & Working Expenses	3,325.25	20,186.37
„ Tele Communication Engineering Department		
Teaching Staff (Staff & Allowances)	26,510.00	
Laboratory & Office Assistants (Salary & Allowances)	2,357.56	
Technical Staff, Helpers & Bearers (Salary & Allowances)	16,501.54	
Provident Fund Contribution	1,716.15	
Leave, Vacancies & Allowances	88.65	
Laboratory Expenses	9,219.33	
Repairs & Maintenance-Equipment	55.00	
Books & Journals	1,425.97	58,544.92
Contingencies	670.72	
„ Physics		
Teaching Staff (Salary & Allowances)	1,010.00	
Bearer (Salary & Allowances)	45.80	
Provident Fund Contribution	234.94	1,290.74
Carried over		1,90,733.28

U N I V E R S I T Y
TECHNOLOGY, BENGAL
THE DEGREE COURSES IN ENGINEERING
 Year Ended 31st March, 1959

I N C O M E	Rs. nP.	Rs. nP.
By Fees from Students		
Tuition Fee		
Mechanical & Electrical Engineering	12,250.00	
Civil Engineering	9,460.00	
Tele Communication Engineering	11,130.00	32,840.00
„ Recurring Grant		
University Grants' Commission	1,22,000.00	
Govt. of West Bengal	35,439.00	1,57,439.00
„ Excess of Expenditure over Income		15,190.22
Carried over		2,05,469.22

J A D A V P U R
COLLEGE OF ENGINEERING
EXPANSION OF THE TRAINING CAPACITY
 Income & Expenditure Account for the

EXPENDITURE	Rs. nP.	Rs. nP.
To Brought Forward		1,90,733·28
„ Mathematics		
Teaching Staff (Salary & Allowances)	7,770·33	
Bearers (Salary & Allowances)	677·75	
Provident Fund Contributions.	77·46	8,525·54
„ Office Expenses		
Office Staff (Salary & Allowances)	430·41	
Mistries, Helpers, Darwans etc. (Salary & Allowances)	5,646·88	
Provident Fund Contribution	55·41	
Leave, Vacancies & Allowances	77·70	6,210·40
		2,05,469·22
To Balance brought down		15,190·22
„ Excess of Income over Expenditure carried to Balance Sheet		3,921·97
		19,112·19

U N I V E R S I T Y
AND TECHNOLOGY, BENGAL
OF THE DEGREE COURSES IN ENGINEERING
 Year Ended 31st March, 1959 (Contd.)

I N C O M E	Rs. nP.	Rs. nP.
By Brought Forward		2,05,469·22
		2,05,469·22
By unspent balance on the scheme carried from the Balance Sheet		19,112·19
		19,112·19

J A D A V P U R
DEGREE COURSES

Income & Expenditure Account for the

E X P E N D I T U R E	Rs.	nP.	Rs.	nP.
To Civil Engineering-Degree Course				
Teaching Staff (Salary & Allowances)	53,593	78		
Laboratory Assistants (Salary & Allowances)	1,180	32		
Mistries, Helpers & Bearers (Salary & Allowances)	10,465	81		
Provident Fund Contribution	2,503	54		
Leave, Vacancies & Allowances	2,392	15		
Laboratory Teaching Expenses	4,485	86		
Electricity Charges	5,534	18		
Field work Expenses	5,662	54		
Books & Journals	235	50		
Contingencies	1,799	73		
			87,853	41
			87,853	41

U N I V E R S I T Y
CIVIL ENGINEERING

Year Ended 31st March, 1959

I N C O M E	Rs.	nP.	Rs.	nP.
By Fees from Students				
Tuition Fee				25,070
„ Recurring Grant				
University Grants' Commission	19,833	02		
Govt. of West Bengal	2,693	00		
„ Excess of Expenditure over Income carried to summary of Income & Expenditure Account				40,257
			87,853	41
			87,853	41

GUPTA & MITRA
Chartered Accountants
Auditors.

J A D A V P U R

RESEARCH SCHEMES IN FACULTIES

Income & Expenditure Account for the

EXPENDITURE	Rs.	nP.	Rs.	nP.
To Department of Chemistry				
Research Personnel				
Research Expenses on Materials	5,847.42			
Research Scholarships-Govt. of India	14,050.56		22,297.98	
	2,400.00			
„ Department of Physics				
Research Personnel	1,950.00			
Research Expenses on Materials	8,920.79		10,870.79	
„ Research schemes of Dr. S. C. Ganguly (Physics)				
Staff				
Instrument				
Books	101.00			
Chemicals	455.47			
Contingencies	554.47			
	353.89		1,464.83	
„ Research Schemes under P. N. Roy Charitable Trust				
Research expenses on Physics & Chemistry			6,934.63	
„ Scheme on Import Implication on Economic Development				
Staff				
Travelling & Halting Allowances	8,367.52			
Processing & Tabulation of Data	538.89			
Stationery, Typing etc.	488.00			
	160.76		9,555.17	
„ Research Scholarship in Bengali				
			580.65	
To Balance brought down			51,704.05	
„ Unspent balance on the Schemes under P. N. Roy Charitable Trust			18,360.40	
„ Unspent balance on Research scholarship in Bengali			18,828.37	
			200.00	
To Excess Expenditure on Research Schemes during the year			37,388.77	
„ Unspent balance carried to Balance Sheet			7,520.00	
			13,131.38	
			20,651.38	

UNIVERSITY

OF ARTS & SCIENCE

Year Ended 31st March, 1959

INCOME	Rs.	nP.
By Kumar P. N. Roy Charitable Trust		
Income from Rent of donated Buildings at Alipore		25,763.00
„ Grant from Govt. of India		
For scheme of Import Implication on Economic Development		3,500.00
„ Research Scholarships from Firms		900.00
„ Research Scholarships from Govt. of West Bengal		780.65
„ Research Scholarships from Govt. of India		2,400.00
„ Excess of Expenditure over Income carried down		18,360.40
		51,704.05
By Excess Expenditure on Research Scheme of Dr. S. C. Ganguly		1,464.83
„ Excess Expenditure on scheme on Import Implication on Economic Development		6,055.17
„ Excess of Expenditure over Income for schemes on Physics & Chemistry transferred to summary of Income & Expenditure Account		29,868.77
		37,388.77
By Balance of Research Fund (Dr. S. C. Ganguly)		1,623.01
„ Unspent balances of Schemes during the year		19,028.37
		20,651.38

J A D A V P U R
RESEARCH SCHEMES SPONSORED
INDUSTRIAL RESEARCH & INDIAN COUNCIL
Income & Expenditure Account for the

EXPENDITURE	Rs.	nP.	Rs.	nP.
To Schemes of Council of Scientific & Industrial Research				
(a) Research scheme on A. C. Stabiliser with pure sinusoidal voltage out-put : Contingencies			186.01	
(b) Research scheme on study of characteristic of gases : Staff Equipment Contingencies	6,189.58			
	600.00			
	2,159.04		8,948.62	
(c) Research scheme on Reaction of Calcium Carbonate with Ammonium Chloride Solution : Staff Equipment Contingencies	320.00			
	2,809.23			
	676.60		3,805.83	
(d) Research scheme on Coal Petrology : Staff Contingencies	1,690.32			
	750.21		2,440.53	
(e) Research scheme on Determination of Heat Resistance : Staff Contingencies	2,617.90			
	992.73		3,610.63	
(f) Research scheme on design of Transducers of magnetic Amplifiers : Staff Contingencies	25.33			
	437.30		462.63	
(g) Research scheme on Helices in Antenna problems : Staff Contingencies	3,205.00			
	638.96		3,843.96	
(h) Research scheme on High Frequency Titration ; Staff Contingencies	1,800.00			
	979.85		2,779.85	
(i) Research scheme on Investigation of Steroids : Staff Contingencies	4,800.00			
	954.19		5,754.19	
(j) Research scheme on Investigation of Varatrum Alkaloids : Staff Contingencies	1,593.90			
	321.30		1,915.20	
Carried over			33,747.45	

U N I V E R S I T Y
BY THE COUNCIL OF SCIENTIFIC &
OF AGRICULTURAL RESEARCH
Year Ended 31st March, 1959

I N C O M E	Rs.	nP.	Rs.	nP.
By Schemes of Council of Scientific & Industrial Research				
(a) Research scheme on A. C. Stabiliser with pure sinusoidal voltage out-put : Staff				530.00
(b) Research scheme on study of characteristic of gases : Staff Equipment Contingencies	7,068.93			
	2,000.00			
	2,600.00		11,668.93	
(c) Research scheme on Reaction of Calcium Carbonate with Ammonium Chloride Solution : Staff				312.00
(d) Research scheme on Coal Petrology : Staff Contingencies	1,690.32			
	1,050.00		2,740.32	
(e) Research scheme on Determination of Heat Resistance : Staff Contingencies	3,142.42			
	1,000.00		4,142.42	
(f) Research scheme on design of Transducers of Magnetic Amplifiers : Staff				25.00
(g) Research scheme on Helices in Antenna problems : Staff Contingencies	3,535.00			
	1,240.77		4,775.77	
(h) Research scheme on High Frequency Titration : Staff Contingencies	1,800.00			
	1,000.00		2,800.00	
(i) Research scheme on Investigation of Steroids : Staff Contingencies	4,800.00			
	883.76		5,683.76	
(j) Research scheme of Investigation of Varatrum Alkaloids : Staff				17.10
Carried Over				32,695.30

J A D A V P U R
RESEARCH SCHEMES SPONSORED
INDUSTRIAL RESEARCH & INDIAN
Income & Expenditure Account for the

EXPENDITURE	Rs. nP.	Rs. nP.
To Brought Forward		33,747.45
(k) Research scheme on Mercaptans as Modifiers in Emulsion Polymerisation : Staff Contingencies	2,818.39 1,207.08	4,025.47
(l) Research scheme on Non-Aquous Acid Base Titration : Staff Contingencies	2,400.00 1,330.30	3,730.30
(m) Research scheme of Studies of Production of Riboflavin : Staff Contingencies	1,758.34 640.60	2,398.94
(n) Research scheme on Pressure Leaching of Copper Ores : Staff Equipment Contingencies	40.00 56.69 396.62	493.31
(o) Research scheme on Studies on Storage & Respiration of Regional Fruits : Staff Equipment Contingencies	2,787.10 1,338.75 1,707.43	5,833.28
(p) Research scheme on separation of Heavy Metal Ion Exchange : Staff Equipment Contingencies	1,573.33 2,310.00 1,980.37	5,863.70
(q) Research scheme on Varietal Suitability & Development & Preservation of Fruits & Vegetables ; Staff Contingencies	3,067.74 876.97	3,944.71
Carried over		60,037.16

U N I V E R S I T Y
BY THE COUNCIL OF SCIENCE
COUNCIL OF AGRICULTURAL RESEARCH
Year Ended 31st March, 1959 (Contd.)

INCOME	Rs. nP.	Rs. nP.
By Brought Forward		32,695.30
(k) Research scheme on Mercaptans as Modifiers in Emulsion Polymerisation : Staff Contingencies	3,376.33 1,500.00	4,876.33
(l) Research scheme on Non-Aquous Acid Base Titration : Staff Contingencies	2,366.67 2,000.00	4,366.67
(m) Research Scheme on Studies of Production of Riboflavin : Staff Contingencies	1,406.08 1,259.22	2,665.30
(n) Research scheme on Pressure Leaching of Copper Ores : Staff		25.00
(o) Research scheme on Studies on Storage & Respiration of Regional Fruits : Staff Contingencies	2,954.85 1,903.70	4,858.55
(p) Research scheme on separation of Heavy Metal Ion Exchange : Staff Equipment Contingencies	1,573.33 2,500.00 2,000.00	6,073.33
(q) Research scheme on Varietal Suitability & Development & Preservation of Fruits & Vegetables : Staff Contingencies	3,067.74 957.43	4,025.17
Carried Over		59,585.65

J A D A V P U R
RESEARCH SCHEMES SPONSORED
INDUSTRIAL RESEARCH & INDIAN
Income & Expenditure Account

EXPENDITURE	Rs.	nP.	Rs.	nP.
To Brought Forward			60,037	16
„ Schemes of Indian Council of Agricultural Research				
(a) Research scheme on Study of Fresh water & Deep Sea Fish :				
Staff	3,780	00		
Apparatus	726	72		
Chemicals & Fish	1,060	30		
Stationery, Printing & Contingencies	198	61	5,765	63
(b) Research scheme on processing Inedible & Unpopular Fish :				
Chemicals & Laboratory wares			11	88
„ Balance brought forward			6,427	03
			72,241	70
To Balance brought forward from I. C. A. R. Scheme from last years account			9,397	91
„ Unspent balance of C. S. I. R. Schemes transferred to Balance Sheet			8,356	13
			17,754	04

U N I V E R S I T Y
BY THE COUNCIL OF SCIENTIFIC &
COUNCIL OF AGRICULTURAL RESEARCH
for the year ended 31st March, 1959

I N C O M E	Rs	nP.	Rs.	nP.
By brought Forward			59,585	65
„ Schemes of Indian Council of Agricultural Research				
(a) Research scheme on Study of Fresh Water & Deep Sea Fish :				
Staff	5,344	03		
Apparatus	1,261	42		
Chemicals & Fish	1,098	70		
Stationery, Printing & Contingencies	101	53	7,805	68
(b) Research scheme on processing Inedible & Unpopular Fish ;				
Staff	2,877	21		
Apparatus	740	81		
Chemicals & Laboratory wares	997	91		
Stationery, Printing & Postage	234	44	4,850	37
			72,241	70
By Balance brought down				6,427
„ Balance brought forward from last year's account (C. S. I. R. Scheme)				8,807
„ Balance transferred to Balance Sheet for I. C. A. R. Schemes				2,519
				17,754
				04

GUPTA & MITRA
Chartered Accountants
Auditors,

JADAVPUR UNIVERSITY
SUBSIDIARY EARMARKED PRIZE & SCHOLARSHIP FUNDS
as on 31st March 1959.

(A) DWIJENDRA MEMORIAL SCHOLARSHIP FUND

	Rs. nP.		Rs. nP.
To Expenses during the year	1,325.00	By Balance (as per last a/c.)	50,000.00
„ Balance carried to Balance Sheet	50,000.00	„ Interest on Investment	279.50
		„ Interest on Loan and overdrafts	1,045.50
	51,325.00		51,325.00

(B) MANILAL CHATTERJEE & OTHER STIPEND FUND

	Rs. nP.		Rs. nP.
To Expenses during the year	76.24	By Balance (as per last a/c.)	3,815.82
„ Balance carried to Balance Sheet	3,771.02	„ Interest on Investment	31.44
	3,847.26		3,847.26

(C) HIRANMOYEE DEVI SCHOLARSHIP FUND

	Rs. nP.		Rs. nP.
To Expenses during the year	135.00	By Balance (as per last a/c.)	120.00
„ Balance carried to Balance Sheet	105.00	„ Receipt during the year	120.00
	240.00		240.00

(D) BIRESWAR DAS GUPTA MEMORIAL FUND

	Rs. nP.		Rs. nP.
To Expenses during the year	90.00	By Balance (as per last a/c.)	2,783.00
„ Balance carried to Balance Sheet	2,783.75	„ Interest on Investment	90.75
	2,873.75		2,873.75

JADAVPUR UNIVERSITY
SUBSIDIARY EARMARKED PRIZE & SCHOLARSHIP FUNDS (Contd.)

(E) GANGURAM VERMA MEMORIAL FUND

	Rs. nP.		Rs. nP.
To Expenses during the year	90.00	By Balance (as per last a/c.)	4,000.00
„ Balance carried to Balance Sheet	4,000.00	„ Interest on Loans & overdrafts	90.00
	4,090.00		4,090.00

(F) GOPIKRISTO BOSE STIPEND FUND

	Rs. nP.		Rs. nP.
To Expenses during the year	47.00	By Balance (as per last a/c.)	1,950.00
„ Balance carried to Balance Sheet	1,950.50	„ Interest on Investment	47.50
	1,997.50		1,997.50

(G) SRISCHANDRA BIRPROTAP MEMORIAL FUND

	Rs. nP.		Rs. nP.
To Expenses during the year	21.00	By Balance (as per last a/c.)	224.34
„ Balance carried to Balance Sheet	216.34	„ Interest on Investment	13.00
	237.34		237.34

(H) KRISTOMOCHAN BOSE STIPEND FUND

	Rs. nP.		Rs. nP.
To Expenses during the year	23.50	By Balance (as per last a/c.)	1,824.41
„ Balance carried to Balance Sheet	1,824.85	„ Interest on Loans & overdrafts	23.94
	1,848.35		1,848.35

JADAVPUR UNIVERSITY
SUBSIDIARY EARMARKED PRIZE & SCHOLARSHIP FUND (Contd.)

(I) ARUN KUMAR BANDOPADHYAYA MEMORIAL FUND

	Rs. nP.		Rs. nP.
To Expenses during the year	21.00	By Balance (as per last a/c.)	2,000.00
„ Balance carried to Balance Sheet	2,000.00	„ Interest on Loans & overdrafts	21.00
	2,021.00		2,021.00

(J) JATINDRA KRISHNA MEMORIAL PRIZE FUND

	Rs. nP.		Rs. nP.
To Expenses during the year	75.60	By Balance (as per last a/c.)	799.24
„ Balance carried to Balance Sheet	799.24	„ Interest on Investment	22.49
	874.84	„ Interest on Loans & overdrafts	53.11
			874.84

(K) ASHOKE MEMORIAL PRIZE FUND

	Rs. nP.		Rs. nP.
To Expenses during the year	75.60	By Balance (as per last a/c.)	481.27
„ Balance carried to Balance Sheet	481.27	„ Interest on Investment	19.25
	556.87	„ Interest on Loans & overdrafts	56.35
			556.87

(L) K. P. DAS GUPTA MEMORIAL FUND

	Rs. nP.		Rs. nP.
To Balance carried to Balance Sheet	521.75	By Balance (as per last a/c.)	507.25
	521.75	„ Interest on Investment	14.50
			521.75

JADAVPUR UNIVERSITY
SUBSIDIARY EARMARKED PRIZE & SCHOLARSHIP FUND (Contd.)

(M) SUDHAKAR BURMAN MEMORIAL FUND

Rs. nP.		Rs. nP.	
To Expenses during the year	21·00	By Balance (as per last a/c.)	801·00
„ Balance carried to Balance Sheet	801·00	„ Interest on Loans & overdrafts	21·00
	<u>822·00</u>		<u>822·00</u>

(N) PRAMATHA NATH BOSE MEMORIAL FUND

Rs. nP.		Rs. nP.	
To Expenses during the year	21·00	By Balance (as per last a/c.)	1,000·00
„ Balance carried to Balance Sheet	1,000·00	„ Interest on Loans & overdrafts	21·00
	<u>1,021·00</u>		<u>1,021·00</u>

(O) SURENDRA NATH NANDAN MEMORIAL SCHOLARSHIP FUND

Rs. nP.		Rs. nP.	
To Balance carried to Balance Sheet	5,000·00	By Sri Sudhir Kr. Nandan as donation to the fund during the year	5,000·00
	<u>5,000·00</u>		<u>5,000·00</u>

(P) SURENDRA NATH GHOSH MEMORIAL FUND

Rs. nP.		Rs. nP.	
To Loan granted to Sri Gopal Ch. Dey	700·00	By Balance (as per last a/c.)	22,523·23
„ Balance carried to Balance Sheet	23,968·85	„ Interest on Investment	770·62
		„ Refund of 50% Loan of Sri Narahari Sarkar	1,000·00
		„ Refund of 50% loan of Sri Gurudas Chatterjee	375·00
	<u>24,668·85</u>		<u>24,668·85</u>

JADAVPUR UNIVERSITY
SUBSIDIARY EARMARKED PRIZE & SCHOLARSHIP FUND (Contd.)

(Q) SM. PUSPA ROY GOLD MEDAL FUND

Rs. nP.		Rs. nP.	
To Balance carried to Balance Sheet	4,001·00	By Sri B. Roy as contribution to the fund during the year	4,001·00
	<u>4,001·00</u>		<u>4,001·00</u>

(R) GANESH JANANI DEVI MEMORIAL FUND

Rs. nP.		Rs. nP.	
To Expenses during the year	21·00	By Balance (as per last a/c)	501·00
„ Balance carried to Balance Sheet	501·00	„ Interest on loans & overdrafts	21·00
	<u>522·00</u>		<u>522·00</u>

(S) SATISH CHANDRA DE GOLD MEDAL FUND

Rs. nP.		Rs. nP.	
To Balance carried to Balance Sheet	4,000·00	By Sri S. K. De as contribution to the fund during the year	4,000·00
	<u>4,000·00</u>		<u>4,000·00</u>

(T) ANUSILAN SAMITY COMMEMORATION STIPEND FUND

Rs. nP.		Rs. nP.	
To Balance carried to Balance Sheet	15,000·00	By Sri Nibaran Chakraborty as contribution to the fund during the year	15,000·00
	<u>15,000·00</u>		<u>15,000·00</u>