Jadavpur University

ANNUAL REPORT

(FROM 24th DECEMBER, 1955 TO 31st MARCH, 1958)

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JADAVPUR UNIVERSITY

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This Report on the working of the University during the period 24th December, 1955 to 31st March, 1958 is drawn up to comply with the provision of Rule 54 of the Rules of the University.

A NOTE ON THE ESTABLISHMENT OF THE UNIVERSITY :

The following statement of the objects of the West Bengal State Legislature in enacting the Jadavpur University Bill, gives, in outline, the origins of and developments leading to the establishment of the Jadavpur University.

"The National Council of Education was founded in 1906 to impart education —literary and scientific as well as technical and professional —on national lines. The Council is an outstanding example of the creative achievements of the Swadeshi Movement. Immediately after the foundation of the National Council of Education, another Institution was started purely for Technical Education, financed mainly by the bounty of late Sir Tarak Nath Palit. In 1910 this Institution was amalgamated with the National Council of Education which in due course has developed itself into the College of Engineering and Technology which offers Degree Courses in three branches of Engineering and Technology. Degrees awarded by the National Council of Education are recognised by the Calcutta University and the Union as well as the State Public Service Commissions. Their Degrees are also recognised by some of the American and Continental Universities. With the Independence of India, Universities in Western countries, which are very advanced in Technical Education, have suggested that the Degrees of the National Council of Education should receive statutory recognition by the State Government or by the Government of India, as the case may be. The College of Engineering and Technology has been virtually functioning as a University.

It is now considered necessary to give statutory recognition to the Courses of Studies and the Degrees of this Institution to enable it to function and develop as a Unitary Teaching University. The Government of India concur in the proposal."

The Jadavpur University was established by the Jadavpur University Act being Act XXXIII of 1955. The University came in to being on 24th December, 1955.

PRESIDENT

As provided in Section 6(1)(a) of the Act, Dr. Bidhan Chandra Roy, B. A , M. D., D. Sc., M. R. C. P. (Lond.), F. R. C. S. (Eng.), F. S. M. F. (Bengal), President of the National Council of Education, Bengal, became the first President of the University for a period of four years with effect from 24th December, 1955. (The position of the President at the University is analogous to that of the Chancellor at other Indian Universities).

RECTOR

Dr. Triguna Sen, Dr. Ing. (Munich), A. M. M. E. (B. Tech.), M. I. E. (Ind.) was appointed Rector of the University for a term of four years with effect from 17th January, 1956. Prior to his appointment in terms of the provision in Section 7 (2) of the Act, Dr. Sen was appointed to exercise the powers and perform the duties of the Rector on and from 24th December, 1955. (The position of the Rector in the University is analogous to that of Vice-Chancellors in other Indian Universities.

TREASURER

Sri Sasanka Sekhar Bagchi, B. E. E., M. I. E. (Ind.) was appointed, under Section 8 of the Act Honorary Treasurer of the University for a period of four years with effect from 24th December, 1955.

REGISTRAR

Sri Prabir Chandra Vasu Mallik, M. A. (Cantab.) was appointed, under Section 9 of the Act, Registrar of the University with effect from 24th December, 1955, as a permanent incumbent of the post.

FIRST MEMBERS OF THE UNIVERSITY

In terms of Section 3(1) of the Act, the persons named in Appendix A, being members of the Executive Committee of the National Council of Education, Bengal, on the eve of the coming into effect of the Act, became the First Members of the University.

As laid down in Section 12 (1) of the Act, the maintenance and management of the College of Engineering and Technology and of the Jadavpur Polytechnic (subject to confirmation by the Government of West Bengal) stood transferred from the National Council of Education, Bengal, to the University.

As laid down in Section 12(a), the following assets of the National Council of Education, Bengal, stood transfered to the University :

(a) the land of the approximate area of 10 bighas on Prince Anwar Shah Road and the leasehold land of the approximate area of 172 bighas on Raja Subodh Mallik Road in Jadavpur, Calcutta-32 with all buildings thereon with all furniture, fittings, equipment, plant and machinery, tools and accessories, books, journals and manuscripts and other appurtenances except for two bighas of vacant land abutting on Raja Subodh Mallik Road which will remain for the erection of buildings thereon for the use and purpose of the National Council of Education, Bengal. These assets were valued at Rs. 73,82,964/- approximately.

(b) Government securities and shares of the total approximate valu of Rs. 5.53 lakhs and balance of approximately Rs. 56 lak standing in bank accounts subject to the liabilities of approximately Rs. 6.44 lakhs in the Bank.

The University adopted for its Common Seal and Coat of Arms the design of a three-flamed lamp encircled in lotus petals executed under the direction of Sj. Nandalal Bose.

It was decided to open a College of Arts and Science.

The University decided to confer the degrees of Master of Science in Engineering & Applied Geology, Bachelor of Mechanical Engineering, Bachelor of Electrical Engineering and Bachelor of Chemical Engineering on the students who had passed the Final Examinations, conducted by the National Council of Education, Bengal, in 1955.

A Committee consisting of the following was appointed to draft Rules under Section 14 of the Act for carrying out the provisions of the Act :

Sir Dhirendra Nath Mitra
Dr. Santi Bhusan Dutt
Sri Saila Kumar Mukherjee
Dr. Dhirendra Mohan Sen
Sri Benoy Das Gupta
Prof. Surendra Kumar Roy
Dr. Triguna Sen
Sri Sasanka Sekhar Bagchi
Sri Prabir Chandra Vasu Mallik, Registrar (Convenor)

On 23rd April, 1956 the University adopted the Rules as drafted by the Committee and the Rules came into effect from 15th May, 1956.

The University decided to adopt only the three-year Honours Courses leading to the Bachelor's degrees in Arts and Science and Post-graduate Courses leading to the Master's degrees and not to have any Pass Courses.

Pending the introduction of Higher Secondary 11-Year Courses of Study in the context of the three-year degree courses, the University decided to start a pre-University Course of one year's duration for students coming to the University after passing the Matriculation or School Final Examination at the end of the 10-Year Secondary School Course to be known as the Preparatory Course.

As empowered under Section 5(10) of the Act, the University constituted these bodies—the Academic Council, the Administrative Council, the Finance Council, Appointment Board, Board of Residence and Admission Board (Appendix B).

Dr. Satish Chandra Bhattacharyya, Professor-in-Charge of the Mechanical Engineering Department was appointed Dean of the Faculty of Engineering & Technology.

INAUGURATION CEREMONY AND FIRST CONVOCATION :

The University was inaugurated on 18th March, 1956 by Dr. Sarvapalli Chandrakrishnan, Vice-President of the Indian Union. The inauguration ceremony was part of the celebration of the Golden Jubilee of the National Council of Education, Bengal, from which the University has sprung. The

establishment of the University was singular fulfilment of the objective on the part of the founders of the Council in 1906, of founding a University based on national ideals under national control.

The inauguration ceremony and the first Convocation of the University were held on the University campus at Jadavpur.

The Officers and Members of the University, the Members of the University Bodies, the Chancellors of the Universities of Calcutta and Saugar, the Diplomatic Corps in Calcutta, Government Officials, Judges of the Calcutta High Court, Members of the Legislative Assembly and Council of West Bengal, the Mayor and Councillors of the Calcutta Corporation, the Sheriff and leading citizens of Calcutta were present.

After singing of the National song "Bandemataram" by the students of the University, Dr. Gourinath Bhattacharyya Shastri recited mantras in Sanskrit blessing the occasion.

Dr. Radhakrishnan unveiled the emblem of the University designed by the famous artist Sj. Nandalal Bose.

The Registrar then read out the messages of felicitation sent by the different Universities of the World a list of which is given in Appendix C.

The President of the University Dr. Bidhan Chandra Roy gave an account of the National Council of Education, Bengal, and how its ideals and work led to the foundation of the University.

The Rector, Dr. Triguna Sen, then exhorted the first graduates of the University and the President conferred the degrees and awarded the medals. A list of the names of students on whom degrees were conferred and of those who were awarded medals is given in Appendix D. Altogether 189 students received the degree in Engineering of whom there were 98 in Mechanical Engineering, 56 in Electrical Engineering (Power-52 and Communication-4) and 35 in Chemical Engineering.

Dr. Radhakrishnan delivered the Inauguration and Convocation Address.

ENTERTAINMENT :

The Golden Jubilee of the National Council and the Inauguration of the University were celebrated by a fortnight-long programme of entertainment presented on the special revolving stage constructed for the occasion in the special pandal on the campus of the University.

On Sunday, 11th March, the Foundation Day of the National Council of Education, the students of the University were entertained at a mid-day meal on the University premises.

On Tuesday, the 13th and on Friday, the 16th, exhibition hockey and football matches were played between the Mohan Bagan Club and Aryan Club teams and the University teams respectively.

On Saturday, the 17th March, a display of fireworks took place.

On Monday, 19th March, a dance recital was given by Sri Udayshankar and his troupe.

On Thursday, 20th March, the students held a musical soiree.

On Wednesday, 21st March, the Alumni Association presented the drama "Pather Dabi".

On Thursday, 22nd March, the Staff Recreation Club presented the drama "Karnarjun".

On Friday, 23rd March, the Workshop staff presented the "Jatra" "Buddhadev".

On Saturday, 24th March, a symposium was held in the afternoon on the subject "Contribution of the National Council of Education towards the advancement of learning and education in the country",

In the evening, the subordinate staff presented the "Jatra" "Trisakti".

On Sunday, 25th, the children of the Lake Palli Manimela presented the play "Aboltabol".

The programme of entertainment was concluded by the holding, on Monday, the 28th March, of a music conference at which well known musicians gave performance of Indian classical music, both vocal and instrumental. The programme also included the performance of dance in the classical style.

The year 1956-1957.

CONDOLENCE :

The University condoled the death of Sri Peary Mukherjee, a Member of the University and of Sri A. N. Pramanik, Assistant Professor in the Department of Mathematics who had served the College of Engineering & Technology for 35 years.

MEMBERS OF THE UNIVERSITY :

Sri Rashbehari Dey was nominated to be a member of the University by the National Council of Education, Bengal in conformity with Section 4(3) of the Act for the period ending on 23rd December, 1959.

ADMINISTRATION :

Rector : Under the Technical Co-operation Mission programme, Dr. Triguna Sen went to the United States of America to visit technical institutions and Universities in the United States. He also visited Universities in the United Kingdom and the Continent of Europe. He was away from October, 1956 to January, 1957.

Provost : Sri Gopal Chandra Sen, M. S. E. (Michigan), AM. ME., A. M. I. E. (Ind.), Professor in the Mechanical Engineering Department, was appointed provost in the grade of and with the status of a professor.

Advisor : Sri A. C. Banerjee, I. E. S. (Retd.), Wrangler, ex Vice-Chancellor of Allahabad University, was appointed Advisor to the University for a period of one year to advise on the organisational set-up of the University.

Dean : Sri Asim Kumar Datta, M. A., B. A. (Oxon.), Bar-At-Law, was appointed Dean of the College of Arts on a permanent basis.

Assistant Controller of Examinations : Sri Debendra Nath Chakraborty, Assistant Professor in the Electrical Engineering Department, was appointed Assistant Controller of Examinations to be in charge of examinations pending the appointment of a Controller of Examinations.

Chairmen of Faculties : Dr. Bibhutibhusan Sen, D. Sc., F. N. I., Professor and Head of Department of Mathematics was appointed Chairman of the Faculty of Science.

Dr. Sushil Kumar De, M. A., D. Litt. (London), Professor and Head of the Department of Bengali was appointed Chairman of the Faculty of Arts.

BUILDINGS :

During the year under report the construction of the following buildings was undertaken :—

	FLOOR AREA	GRANT
Arts & Science College	47,400 sft.	Rs. 7,40,000/-
Civil Engineering Hydraulics Laboratory	35,800 sft.)	Rs. 11,25,000/-
	16,000 sft)	
University Library	30,000 sft	Rs. 6,00,000/-

The entire grant for the Arts & Science College building was received from the Government of West Bengal and those for the remaining buildings from the University Grants Commission and the Government of West Bengal on a sharing basis.

Under the Campus project of the Ministry of Education, the construction of an Auditorium-cum-Recreation Hall for students was undertaken at an approximate cost of Rs. 1,33,000/-

DONATIONS

The University received during this period the following donations :—

Sir Upendra Nath Roy and Sm. Prafullada Roy made a gift of two houses on Southern Avenue valued at Rs. 2 lakhs. The premises have been named "Utfulla Narayan House" after their son and are to be utilised for the residence of staff and students.

The Kumar Pramatha Nath Roy Public Charitable Trust made over to the University two houses on Belvedere Road, valued at Rs. 5 lakhs for financing two schemes for Radio Chemical research and for the expansion of the High Tension Laboratory for development and improvement of high Voltage technique.

The Volkart Foundation made a donation of Rs. 35,000/- for research on fermentation technology and investigation into the possibilty of producing bacterial sulphur from wastes including domestic sewage.

TEACHERS :

There were 143 (including 10 part-time) teachers on the staff of the University of whom 141 were men and 2 women. There were 83 teachers in the Faculty of Engineering, 31 in the Faculty of Science and 29 in the Faculty of Arts. The distribution among the different cadres and Departments is given in Appendix E.

The following persons were appointed Professors of their respective subjects in the Faculty of Science and Arts :

1. Dr. Bibhutibhusan Sen, D. Sc., F. N. I. ... Mathematics
2. Dr. Shyamadas Chatterjee, D. Sc. ... Physics
3. Dr. Sachindra Nath Mukherjee, D. Sc. ... Physical Chemistry
4. Dr. Anil Kumar Majumdar, D. Sc. ... Inorganic Chemistry
5. Dr. Bidyut Kamal Bhattacharya, D. Sc. ... Organic Chemistry
6. Sri Susobhan Chandra Sarkar, M. A. (Oxon) History
7. Sri Amartya Kumar Sen, B. A. (Cal.) B. A. (Cantab) ... Economics
8. Dr. Prithwis Chandra Chakravarti, M. A., Ph. D. (Lond.) ... International Affairs
9. Sri Buddhadeb Bose, M. A. Comparative Literature
10. Dr. Sushil Kumar De, M. A., D. Litt. (London) ... Bengali

The following continued as Professor-in-Charge of the Departments in Faculty of Engineering & Technology :

1. Sri Hem Chandra Guha, B. Sc. (Edin.), Mem. A. I. E. E. (U. S. A.), M. I. E. E. (Lond.), M. I. E. (Ind.) ... Electrical Engineering
4. 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

The service of Dr. Satish Chandra Bhattacharyya, Professor-in-Charge of Mechanical Engineering Department who was due to retire on 30th June, 1956 was extended for one year with effect from 1st July, 1956.

The following teachers were granted study leave or an extension thereof during the year :

ELECTRICAL ENGINEERING

1. Sri Shyamapada Patra, Lecturer, having secured a Government of India Central Overseas scholarship, was granted three years' leave to join the College of Technology at Manchester to do research on the development of measurement techniques for the determination of transmission line constants.

2. Sri Manmatha Kumar Das, lecturer, was granted leave for two years from April 1956 to join the University of Karlsruhe in West Germany to work on high voltage technique for a doctorate degree.

3. 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 was granted an extension of leave upto June 1958 for undergoing training in the manufacture of all types of Power-Equipment with Messrs. Brown Boveri Ltd. at Montreal, Canada on Design, Construction etc.

MECHANICAL ENGINEERING :

1. Sri Benoyendra Chanda, lecturer, who had been on leave for higher studies in the U. S. A. and had taken the M. S. (Mechanics & Hydraulics) degree from the State University of Iowa, his thesis having been on "Relative Efficiency of Water Turbine Draft Tubes" was granted an extension of leave to take the Ph.D. (Civil Engineering) degree of the State University of Colorado on the thesis "Turbulent Boundary Layer over plane heated and unheated rough surfaces."

2. Sri Sachindra Narayan Bhaduri, lecturer, who was on study leave and had taken the M. S. degree in Mechanical Engineering at the State University of Iowa was granted an extension of leave upto 1957 to take doctorate degree after doing research on "Mechanical Design".

3. Sri Jaydeb Chandra Das, lecturer, who had been on study leave for taking practical training in machine tools in West Germany and had joined the Technische Stochschule of Stuttgart was granted an extension upto January, 1957, to take doctorate degree after completing his research work on "Control of hydraulic oil for the drive of machine tools".

4. Sri Rajat Kumar Chakravorty, lecturer, who had already been on study leave to take Master's degree in Mechanical Engineering from the University of Washington and the Ph. D. degree from the University of Wisconsin was granted an extension of leave from August, 1956 to March, 1958 to do post-doctorate research on his subject.

5. Sri Sudhir Kumar Das, lecturer, was granted study leave from August, 1956 to February, 1957 to take industrial training with different firms and to pursue a theoretical course of study in Automobile Engineering at the Lincoln Technical College, England.

6. Sri Joytish Chandra Sarkar, lecturer, on leave to undergo industrial training in West Germany, England and Switzerland, was granted an extension of leave upto August, 1958.

7. 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 with "Design and Construction of an extensometer for high temperature" as subject for his thesis, was granted an extention of leave upto August, 1957.

8. Dr. S. Dev, Professor of Geology in the Department of Mechanical Engineering, was invited by the French Government to see the latest developments in geochemistry and geophysics.

CHEMICAL ENGINEERING :

1. Dr. Tuhin Kumar Roy, Professor-in-Charge of the Chemical Engineering Department was granted leave for one year upto, June 1957, to go to U. S. A. as full-time consultant with Messrs. Freeport Sulphur Co. for test, on pilot plant scale, of the chemical process with the development of which Dr. Roy had been associated.

On the recommendation of the University Grants Commission, the University adopted the following grades for the Faculties of Arts & Science ;

Professor & Head of Department	...	Rs. 800-50-1,250/-
Reader	...	... Rs. 500-25-800/-
Lecturer	...	... Rs. 250-25-500/-

VISITING LECTURERS & EXTENSION LECTURERS ;

Visiting Lecturers during the session 1956-57 :

Dr. M. Dutt, Ph. D. (Edin)	... Economics of Power Supply
Sri A. N. Sen Gupta, B. E. E.	... Electrical Power Generation.
Sri R. B. Rao, Technical Manager, Britania Biscuit Co.	... Bakery Technology
Sri Amal Kumar Bose, B. A. (Cantab)	... Some Aspects of Monetary Theory
Dr. P. N. Chatterjee	... Soil Technology
Dr. S. K. Banerjee, D. Sc. F. N. I.	... Geophysics

Extension Lectures delivered during the session :

Mon. Pierre Amado	French Symbolist Poets
David Isabell of Yale University	... Presidential Election & U. S. Foreign Policy
H. H. Waynfort of South Eastern Railway	... A Railway Engineer's Job
N. J. Masani	... Technique of Timber Engineering

RESEARCH :

During the period under report, research work on various subjects and problems was carried on in the different departments of the University. A list of the subjects and of the papers published by teachers is given in Appendix "F"

COURSES OF STUDY and DEGREES :

The University decided to institute the following courses of study in the Faculties of Arts and Science from the session 1956-57.

Faculty of Arts —Three years' Honours courses leading to the Bachelor of Arts degrees in the subjects—Sanaskrit, Bengali, English, Comparative Literature, Philosophy, Economics History and International Affairs.

Two years post-graduate courses leading to the Master of Arts degrees in the same subjects as in the Honours courses.

Faculty of Science —Three years' Honours courses leading to the Bachelor of Science degrees in the subjects—Physics, Chemistry, Mathematics and Geological Sciences.

Two years' post-graduate courses leading to the Master of Science degrees in the subjects—Mathematics and Geological Sciences.

The schemes of examinations and syllabi as drawn up by the Academic Council were adopted.

A four years' degree course in Civil Engineering was instituted from the beginning of the session 1956-57.

The scheme of General Education as recommended by the Bhagwantam Committee was accepted and the post-graduate courses of study in Arts and Science were modified to include the scheme in the curriculum.

The degrees of Doctor of Philosophy (Ph. D.), Doctor of Literature (D. Litt.) and Doctor of Science (D. Sc.) were instituted in the Faculties of Arts and Science and Rules for the award of such degrees were adopted.

The University decided to participate in the Ghosh-Chandrakant scheme for the expansion of existing facilities of education in engineering and technology.

Pursuant to Section II of the Jadavpur University Act, it was decided to issue printed certificates of the University to the holders of the degrees of the National Council of Education, Bengal, from the year 1944.

LABORATORY TECHNICIAN TRAINING COURSE :

On being approached by the United Nations Educational Social Cultural Organisation, the University agreed to institute a short-term course for training laboratory technicians from the neighbouring countries in South Asia. The course was started on 17th December, 1956 and continued for six weeks ending on 31st January, 1957. There were altogether nine trainees—four from Burma, two from Ceylon, two from Pakisthan and one from Nepal. The trainees were selected by the Governments of the countries interested in the scheme. The scheme was financed by the UNESCO. The course was the first of its kind in this part of the world and was in the nature of being a pilot scheme. A complete report is given in Appendix G.

ADMISSIONS :

It was decided to grant admission to the second year classes of the degree courses in engineering to students who had passed the Licentiate Examinations in Engineering of the State Governments, Diploma Course Examinations of the National Council of Education, Bengal, and Indian Universities after a written test in Physics and Mathematics.

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

Course		No. of applicants		No. of students admitted
Preparatory :				
Science	...	88	...	54
Arts	...	8	...	8
Degree :				
Arts	...	5	...	5
Science	...	127	...	76
Engineering	...	3,415	...	240
Post-graduate :				
Arts	...	145	...	88
Science	...	121	...	34
Engineering	...	28	...	28

Subject-wise break-up is given in Appendix H.

Recognition :

The University recognised the following examinations of other Universities or examining authorities as equivalent to its own or other corresponding examinations :

EXAMINATIONS	EQUIVALENT TO
Intermediate Examinations in Science of all Indian Universities	B. Sc. Preliminary
Examination at the end of the 2 years' course at the Joint Services Wing of the National Defence Academy	B. Sc. Preliminary
Cembridge School Certificate in Grade I or Grade II	School Final of West Bengal Secondary Board or its equivalent
Cembridge Higher School Certificate	B. Sc. Preliminary

EXAMINATIONS :

Post-graduate : Ten students appeared at the Final Examination in Engineering and Applied Geology and 9 passed, 8 having been placed in the First, Class and 1 in the Second Class.

The following was the result of the Bachelor of Engineering Final and the Final Supplementary Examinations :

Course	Annual Passed					Supplementary: Passed				Grand Total of Pass
	Appe-ared	Hons.	1st Class	2nd Class	Total	Appe-ared	1st Class	2nd Class	Total	
Mechanical	105	13	46	12	71	30	16	11	27	98
Electrical :- Power	39	6	20	1	} 31	13	3	8	} 12	} 43
Communi-cation	5	2	2	Nil		1	1	Nil		
Chemical	42	1	8	16	25	16	1	11	12	37

At the Preparatory Examination after the pre-University Preparatory Course, 5 students appeared in Arts and 52 in Science of whom 5 passed in Arts and 43 in Science.

The names of students who passed the different examinations are given in Appendix I. The award of medals is given in Appendix J.

STUDENTS ON ROLLS :

There were 1,218 students on the rolls of the University in session 1956-57 of whom 1,158 were boys and 60 girls distributed among the Faculties as follows :

	Preparatory Boys—Girls	Degree Boys—Girls	Post-graduate Boys—Girls	Total
Arts ...	7 — 1	5 — Nil	44 — 44	101
Science ...	52 — 2	71 — 5	31 — 3	164
Engineering	— — —	920 — 5	28 — Nil	953

Of the total number of students, 17 were teachers of the University enrolled in the Faculty of Engineering & Technology for prosecuting post-graduate studies in Mechanical and Chemical Engineering. The distribution among the different courses and classes is given in Appendix K.

There were 7 foreign students in the Engineering degree courses, all belonging to Nepal and admitted as Cultural Scholars under the Colombo Plan.

SPORTS :

The University Rowing team participated in the Inter-University Regatta at Calcutta on the occasion of the Centenary Celebration of the Calcutta University in January, 1957 and won in one item. The University participated in the following Inter-University tournaments :—

(a) Hockey Tournament, North Zone
(b) Tennis Tournament

NATIONAL CADET CORPS :

There were 120 cadets in each of the units of Signals and Engineers and 20 in the Naval Unit. A combined social service camp of all the units was held on the premises of the University in May, 1956. The Engineers' Unit

held its Annual Camp at Roorkee, the Signals' Unit at Barrackpore and the Naval Unit on I.N.S. Venduruthy at Cochin, all in December, 1956.

YOUTH FESTIVAL :

The University sent a contingent of 35 students with one teacher as Contingent-in-charge to participate in the Third Inter-University Youth Festival in New Delhi. The contingent took part in the items—One Act Drama, Radio Play, Group Song, Hindi Elocution, Photography and Sculpture. The drama entitled "Function" written by Sri Shigdha Banerjee was staged by the students. The radio play was entitled "Raja" by Sri Monoj Bose adopted for radio by Sri Jayanta Choudhury. The group song was a folk song from East Bengal.

ANNUAL EXHIBITION :

An industrial and technical exhibition was held on the premises of the University from 22nd December, 1956 to January 1957. It was formally opened by Sri Atul Chandra Roy, Principal, Bengal Engineering College. The exhibition consisted mainly of models, some of which were working ones, made by the students specially for the occasion. During these days 36,004 persons visited the exhibition.

LIBRARY :

The volume of books in the Library increased from 14,502 in 1955-56 to 18,077 and bound periodicals from 5,170 in 1955 to 5,498.

The Library issued altogether 70,000 volumes during the period under report.

The total staff of 8 in the Library consisted of 2 professional staff, 3 clerical, 2 student assistants (Part-time and one duftry).

Book grants amounting to Rs. 80,000/- were received from the University Grants Commission during the period, Rs. 53,125/- has been spent up to 31st March, 1957 for the purchase of books and periodicals.

The following book donations were received :

1.	Sri Apurva Kumar Chanda	...	950 volumes
2.	Sri Sudhanshu Mohan Bose	...	370 ,,
3.	United States Information Service	...	200 ,,
4.	Sri Mohi Mohan Mukherjee	...	75 ,,
5.	Sri Sukh Dev Sinha	...	67 ,,
6.	Sri Samaresh Chakrabarti	...	58 ,,
7.	The Smithsorian Institute, Washington	...	50 ,,

OFFICE AND OTHER STAFF :

The University had during the period a staff of 114 in the Office, Laboratories and Workshop. The darwans, malis and sweepers numbered 106. The different categories of staff were as follows :

OFFICE STAFF :

Head Assistant	...	1
Store-keeper	...	1
Accountant	...	1
Cashier	...	1
Stenographer	...	1
Stenotypist	...	1
Senior Assistants	...	6
Junior Assistants	...	16
Typists	...	6
Supervisors	...	3

LABORATORY STAFF :

Laboratory Assistants	...	9
Technical Staff	...	1

Office and other Staff : (Contd.)

WORKSHOP STAFF :

Mistry Instructor	...	1
Mistry "A" Grade	...	15
Mistry "B" Grade	...	20
Helper	...	31

SUBORDINATE STAFF :

Darwans		
Malis	...	20
Bearers	...	17
Sweepers	...	54
	..	15

CONVOCATION :

The Annual Convocation was held on 23rd December, 1956. Sri C. D. Deshmukh, Chairman, University Grants Commission delivered the Convocation Address. Degrees were conferred on 187 candidates as follows :

Master of Science in Engineering and Applied Geology (M.Sc.) on		
Bachelor of Chemical Engineering on	...	98 candidates
Bachelor of Electrical Engineering on	...	37 ,,
Bachelor of Mechanical Engineering on	...	43 ,,
	...	98 ,,

FINANCES :

The following non-recurring grants were received by the University during the year 1956-57 :

I. UNIVERSITY GRANTS COMMISSION :

(a)	For equipment for the existing degree courses in Engineering.		Rs. 2,29,668/-
(b)	For equipment for Civil Engineering degree course.	...	Rs. 80,418/-
(c)	For equipment for development of research in Physics & Chemistry.	...	Rs. 1,00,000/-
(d)	For additional accommodation for the existing degree courses in Engineering.	...	Rs. 80,000/-
(e)	For Building Construction for Civil Engineering Degree course.	...	Rs. 1,00,000/-
(f)	Books on Technical & Scientific subjects.	...	Rs. 30,000/-
(g)	Construction of Library & Reading Room.	...	Rs. 58,000/-
(h)	Books on Humanities.	...	Rs. 50,000/-
		C. O.	Rs. 7,28,086/-

II. GOVERNMENT OF INDIA : B. F. Rs. 7,28,086/-

(a)	Equipment for Fundamental Research to Individual Workers.	...	Rs. 30,700/-
(b)	Construction of Recreation Hall-cum-Auditorium under the Campus Project Scheme		Rs. 35,000/-
(c)	Text Books for the Arts & Science courses		Rs. 10,000/-

III. GOVERNMENT OF WEST BENGAL :

(a)	Equipment for Civil Engineering Degree Course.	...	Rs. 35,837/-
(b)	Equipment for development of Research in Physics & Chemistry.	...	Rs. 50,000/-
(c)	For Additional Accommodation for the existing degree courses in Engineering.	...	Rs. 40,000/-
(d)	For Building Construction for Civil Engineering.	...	Rs. 50,000/-
(e)	For Building for the College of Arts & Science.	...	Rs. 4,30,000/-
(f)	For equipment for the College of Arts & Science.	...	Rs. 1,00,000/-
(g)	Construction of Library & Reading Room		Rs. 29,000/-
(h)	Building for N. C. C. Officers Quarters.	...	Rs. 63,700/.
	Total	:	Rs. 16,02,323/-

The non-recurring expenditure under the year under report is as follows :

Buildings Construction	...	Rs. 6,54,023/-
Equipment	...	Rs. 2,96,244/-
Furniture and Fixtures	...	Rs. 13,251/-

Books and Journals ...	Rs.	52,591/-
Others ...	Rs.	12,883/-
	Rs.	10,28,992/-

The following recurring grants were received by the University during the year under report.

1. UNIVERSITY GRANTS COMMISSION :

(a) For maintenance of the existing degree courses in Engineering.	...	Rs.	5,98,000/-
2. GOVERNMENT OF INDIA :			
(a) Contribution to University Youth Festival.	...	Rs.	1,161/-
	C. O.	Rs.	5,99,161/-
3. GOVERNMENT OF WEST BENGAL :	B. F.	Rs.	5,99,161/-
(a) Maintenance of University	...	Rs.	3,81,000/-
(b) Maintenance of Chemical Engineering Degree Course.	...	Rs.	70,000/-
(c) Maintenance of College of Arts & Science.	...	Rs.	66,000/-
(d) Maintenance of Post Graduate Course in Engineering Geology.	...	Rs.	14,478/-
(e) Subvention for Dearness allowances.	...	Rs.	32,590/-
		Rs.	11,63,229/-

Besides the above, an ad-hoc grant of Rs. 5,55,000/- has been received from the Government of West Bengal during the year under report to wipe off the accumulated deficit (recurring Rs. 2,94,000/- & non-recurring Rs. 2,61,000/) upto 31st March 1956 in respect of the Chemical Engineering Department.

The following is the overall position of the recurring income and expenditure of the various departments of the University for the year 1956-57.

Recurring Income	...	Rs. 16,24,696/-
Recurring Expenditure	...	Rs. 16,49,899/-

C. The recurring income from the research activities is as follows :—

(1) Government of West Bengal	...	Rs.	9,550/-
(2) Council of Scientific and Industrial Research.	...	Rs.	44,497/-
(3) Indian Council of Agricultural Research	...	Rs.	8,747/-
(4) Other sources	...	Rs.	4,183/-
		Rs.	66,977/-

D. The year 1956-57 opened with a debit balance of Rs. 17,39,213/- which was met from loans from funds and bank overdrafts. The deficit comprised of Rs. 7,72,488/- for uncovered revenue deficit and Rs. 9,66,725/- for uncovered capital deficit carried from 1952-53. The deficit was partly reduced by grants paid by the Government of West Bengal to wipe off the deficit of the Chemical Engineering Department as referred to above. There was, however, uncovered deficit in other courses both on recurring and non-recurring accounts.

MISCELLANEOUS :

The University had during this period 500 students resident in the Hostel.

The total number of working days was 208.

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

University	...	8
Academic Council	...	5
Administrative Council	...	5

FIRST MEMBERS OF JADAVPUR UNIVERSITY

1. Dr. B. C. Roy, M. D., M. R. C. P., F. R. C. S. (Eng.)
2. Dr. Sir Jadunath Sarkar, M. A., D. Litt.
3. Sri Charu Chandra Biswas, M. A., B. L.
4. Sri Pyari Mukherjee
5. Sri Sasanka Sekhar Bagchi, A. M. E. E., B. E. E., M. I. E. (Ind.)
6. Sri Sachindra Bhusan Dutt, B. Sc., A. M. Ch. E., B. Ch. E.
7. Sri Sudeb Chandra Dutta, A. M. E. E.
8. Dr. Triguna Sen, Dr. Ing. (Munich), A. M. M. E. (B. Tech.) M. I. E. (Ind.), A. M. I. Mech. E. (London).
9. Prof. Satyendra Nath Bose, F. N. I.
10. Sri Atul Chandra Dutta, A. M. Ch. E.
11. Sri Hari Pada Bhaumik, B. A., M. I. E. (Ind.)
12. Sri Sachindra Nath Bandopadhyaya, B. Sc. (Glasgow), A. M. I. E. (Ind.)
13. Sri Hem Chandra Das Gupta, B. M. E. (Michigan)
14. Sri Saila Kumar Mukherje, LL. B., Attorney-at-Law, Bachasp
15. Sri Birendra Kishore Roy Chowdhury, B. A.
16. Sri Binod Kishore Roy Chowdhury. M. A.
17. Sri Ajendra Krishna Ghosh, B. L., Solicitor
18. Sri Snehangsu Kanta Acharyya, Barrister-at-Law
19. Prof. Dr. Jatindra Nath Basu, Dr. Ing. (Berlin), A. M. M. E., A. M. E. E., M. I. E. (Ind.)
20. Prof. Surendra Kumar Roy, M. E. E. (Harvard), M. A. I. E. E. M. I. E. (Ind.)
21. Sri Amulya Nath Sen Gupta, B. E. E., M. I. E. (Ind.)
22. Sri Jitendra Nath Das Gupta, M. I. E. (Ind.) M. R. San. F.
23. Dr. Santi Bhusan Dutt, Ph. D. (Econ.) (London), Bar-at-Law
24. Sri Amarendra Nath Halder, A. M. E. E.
25. N. C. Chakraverty, Assistant Educational Adviser (Tech.), Government of India, Ministry of Education.
26. Sri C. S. Menon, Joint Secretory, Ministry of Finance Government of India.
27. Sri T. R. Gupta, M. I. E. (Ind.), M. P. E. (London)
28. Sri B. K. Rohatgi, Representative, All India Council for Technical Education.
29. Dr. D. M. Sen. M. A., Ph. D., Secretary, Education Department, Government of West Bengal.
30. Secretary, Ministry of Education, Government of India, (Sri Humayun Kabir)
31. Secretary, Finance Department, Government of West Bengal, (Sri B. Das Gupta)

BODIES OF THE UNIVERSITY - 1956-57

ACADEMIC COUNCIL

Dr. Triguna Sen, Rector—Chairman.

CHAIRMAN FACULTIES :

1. Dr. Satish Chandra Bhattacharyya—Engineering & Technology
2. Dr. Bibhuti Bhusan Sen—Science.
3. Dr. Susil Kumar De—Arts.

HEADS OF INSTITUTIONS :

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

Controller of Examinations
Vacant
University Librarian
Vacant

PROFESSORS :

1. Dr. Satish Chandra Bhattacharyya
2. Prof. Hem Chandra Guha
3. Prof. Tuhin Kumar Roy
4. Dr. Bimalendu Ghose
5. Dr. Jatindra Nath Basu
6. Dr. Anil Kumar Majumdar
7. Dr. Bidyut Kumar Bhattacharyya
8. Prof. Amiya Kumar Basu
9. Prof. Gopal Chandra Sen
10. Dr. Jnan Saran Chatterjee
11. Prof. Manmatha Nath Chakravorty
12. Dr. Sibsundar Deb
13. Prof. Purna Chandra Biswas (upto June 1956)
14. Dr. Arabinda Nath Bose
15. Dr. Shyamadas Chatterjee (from July 1956)
16. Dr. Sachindra Nath Mukherjee
17. Prof. Susobhan Chandra Sarkar
18. Prof. Buddadeva Bose
19. Prof. Amartya Kumar Sen
20. Dr. Hiralal Roy, Professor Emeritus
21. Prof. Surendra Kumar Roy, ,,
22. Dr. Sudhangsu Kumar Banerji ,,

MEMBERS OF FACULTIES :

Faculty of Engiueering :

1. Sri Sailesh Chandra Dasgupta
2. Sri Madhusudan Sengupta

Faculty of Arts :
Vacant
Faculty of Science :
Vacant

MEMBERS OF THE NATIONAL COUNCIL
1. Sri Dinabandhu Das
2. Sri Atul Chandra Roy
3. Dr. Sudhangsu Kumar Banerjee
4. Sri Pratap Chandra Bose
5. Sri Dinendra Kumar Nandi

EDUCATIONISTS :
1. Director, Indian Institute of Technology, Khargpur : Dr. S. R. Sengupta
2. Director, Indian Association for the Cultivation of Science ; Sri P. Roy
3. Sri Pramatha Nath Bisi
4. Principal, Presidency College, Calcutta : Mr. F. J. Friend-Perreira
5. Dr. J. P. Niyogi

Sri Prabir Chandra Vasu Mallik, Registrar—Secretary

Administative Council

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

HEADS OF INSTITUTION :
1. Dr. Triguna Sen—Principal, College of Engineering & Techn.
2. Sri Asim Kumar Datta—Dean, College of Arts

Controller of Examination :
Vacant
University Librarian :
Vacant

CHAIRMEN OF FACULTIES :
1. Dr. Satish Chandra Bhattacharyya—Engineering & Techn.
2. Dr. Bibhuti Bhusan Sen—Science
3. Dr. Susil Kumar De—Arts

MEMBERS OF THE NATIONAL COUNCIL :
1. Sri Akshay Kumar Basu
2. Sri Surendra Kumar Guha
3. Sri Nibaran Chandra Ghosh
4. Sri Rash Behari Dey (upto 9-10-56)
   Sri Himanshu Sekhar Sinha (from 15-10-56)
5. Sri Nitai Chand Mallik

REPRESENTATIVES OF CALCUTTA CORPORATION :
1. Sri Debaprasad Chatterjee
2. Sri Badridas Barman
3. Sri Nripendra Nath Banerjee
4. Sri Dhirendra Nath Bose
5. Sri Sachindra Nath Sinha

NOMINEE OF GOVERNMENT OF INDIA :
Sri Naresh Chandra Chakraverty

NOMINEE OF GOVERNMENT OF WEST BENGAL :
Director of Public Instruction ;
1. Dr. Parimal Roy

Sri Prabir Chandra Mallik, Registrar—Secretary

Finance Council

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

HEADS OF INSTITUTION :
1. Dr. Triguna Sen—Principal, College of Engineering & Technology
2. Sri Ashim Kumar Dutta,—Dean College of Arts

Controller of Examinations :
Vacant
University Librarian :
Vacant
Finance Secretary, Government of West Bengal :
Sri Benoy Das Gupta
Sri Prabir Chandra Vasu Mallik, Registrar—Secretary

MEMBERS OF THE NATIONAL COUNCIL :
1. Sri Sakti Sen
2. Dr. Santi Bhusan Datta

Sri B. K. Rohatgi—Member of the University

NOMINEE OF THE GOVERNMENT OF INDIA :
Sri Samuel Mathai
Sri Prabir Chandra Vasu Mallik, Registrar—Secretary

Greetings and messages were received from the following Universities & Institutions on the occasion of the inauguration of the University :—

University of Peking
University of Cambridge
University of Oxford
University of London
Glasgow University
University of Leeds
The Royal Technical College, Glasgow
University of Birmingham
University of Sheffield
India Institute, Munich
Technische Universitat Berlin—Charlottenburg
Rheinische Friedrich Wilhelms—Universitat, Liebfrauenweg
Technischen Hochschule Munchen
Rheinisch—Westfalischen Technischen Hochschule, Aachen
Universitat Munchen Ruprecht-Karl-Universitat
University of Freiburg
Technische Hochschule, Karlsruhe
Technische Hochschule, Stuttgrate
Johann Wolfgang Goethe-Universitat
Georg-August-Universitat
L'Universite De Grenoble
Universite De Strasbourg
Universite De Nancy
University of Michigan
University of Wisconsin
Harvard University
Yale University
University of Illinois
Massachusetts Institute of Technology
University of California
University of Minnesota
University of Washington
University of Saugar
University of Annamalai
University of Dacca
University of Allahabad
University of Baroda
University of Patna
University of Roorkee
University of Rajputana
Banaras Hindu University
University of Poona

FINAL ENGINEERING EXAMINATION

HELD IN 1955.

Chemical Engineering :

Serial Nos.	Names
	First Class with Honours
	(In order of merit)
1.	Sri Pranabkumar Mukhopadhyay
	First Class
	(In order of merit)
2.	Sri Rattan Prakash Aggarwal
3.	,, Dwijendra Narayan Bhowmik
4.	,, Hrishikes Ghosh
5.	,, Asimkumar Dasgupta
	,, Susantakumar Gangopadhyay
7.	,, Suprabhatkumar Datta
8.	,, Dilipkumar Ray
9.	,, Ranabir Ray
10.	,, C. R. Madhava Rao
	Second Class
11.	Sri Lal Bahadur Singh
12.	,, Sanatkumar Sar
13.	,, Amalkumar Ray
14.	,, Bindiga Navale Garuda Dhuajan
15.	,, Paritosh Sengupta
16.	,, Chittaranjan Midya
17.	,, Har Nandan Tripathi
18.	,, Asiskumar Mitra
19.	,, Ranajitmohan Bardhan
20.	,, Nripendralal Majumdar
21.	,, Kumudeswar Das
22.	,, Syamalkumar Chakrabarti
23.	,, Ashoke Kumar Guha
24.	,, Amalkumar Chattopadhyay
25.	,, Gurusaday Raychoudhuri
26.	,, Santagopal Pal
27.	,, S. K. Kocher
28	,, Pranabkumar Choudhury
29.	,, Pradyotkumar Raychaudhuri
30.	,, Rathindranath Gupta
31.	,, Bijankumar Gupta

32. ,, Arunkanti Chaudhuri
33. ,, Deb Kumar Moitra
34. ,, Sukumar Karmakar
35. ,, Pranabkumar Sengupta

Electrical Engineering (Power Option) :

First Class with Honours

(In order of merit)

1. Sri Kalyansri Dasgupta
2. ,, Sachi Kanta Mohapatra
3. ,, Rabobindu Ray
4. ,, Priyabrata Chakrabarti
5. ,, Hari Krishna Agrwal "Sree Achal"
6. ,, Achyutharao Mangipudy

First Class

(In order of merit)

7. Sri Rajamani Sankar
8. ,, Jagadindranath Ray
9. ,, Upendranarayan Mohanty
10. ,, Timirbaran Adhikari
11. ,, Pran Nath Tiku
12. ,, R. Krishnan
13. ,, Dwipendranath Maitra
14. ,, Mahimaranjan Konar
15. ,, Kanhaya Lal Kaul
16. ,, Asitkumar Goswami
17. ,, Raghunath Dhar
18. ,, Huang Chih-han
19. ,, C. S. Siddhartha
20. ,, Baidyanath Mukhopadhyay
21. ,, Taritkumar Karan
22. ,, Subrata Nandie Majoomder
23. ,, Ardhendusekhar Mahata
24. ,, Pankajranjan Das
25. ,, Venkata Rao Akella
26. ,, Ramutpal Sen
27. ,, S. Viswanathan
28. ,, Ramapada Das
29. ,, Basudeb Kataruka
30. ,, Rusarkanta Misra
31. ,, Hindole Kumar Das Gupta
32. ,, Venkitachalam. Iyer, V

33. ,, Debabrata Maitra
34. ,, M. Gopal Rathnam
35. ,, Gourchandra Rana
36. ,, Ranjitkumar Datta
37. ,, Mrigeschandra Chattopadhyay

Second Class

38. Sri Jyoti Atul Chandra Desai (Mrs.)
39. ,, Thomas G. Mathew
40. ,, Manojit Saha
41. ,, Phalman Chettri
42. ,, Bishnusekhar Bandyopadhyay
43. ,, Chittaranjan Saha
44. ,, Syed Shamimul Haque
45. ,, Amalendu Ray
46. ,, Satyanaryan Datta
47. ,, Ramesh Madhukarrao Deshmukh
48. ,, Amal Chandra Banerjee
49. ,, Pranab Kumar Biswas
50. ,, Dhruba Ghose
51. ,, Kalisankar Chattopadhyay
52. ,, Amalkumar Ray

Electrical Engineering (Communication Option) :

First Class

(In order of merit)

1. Sri Prabhaschandra Sen
2. ,, Pabitrakumar Ghosh
3. ,, Surajit Kumar Hore

Second Class

4. Sri Asiskumar Ghosh

Mechanical Engineering :

First Class with Honours

(In order of merit)

1. Sri Subodhkumar Chanda
2. ,, Sudarshan Chandra
3. ,, Amar Nath Goyal
4. ,, Sunil Kumar Das
5. ,, Gopalchandanmal Kripalani
6. ,, Syamsundar Mukhopadhyay

7. ,, Manabendra Kishore Paul
8. ,, Prasantaranjan Sengupta
9. ,, Chittaprasad Goswami
10. ,, M. Gopalakrishnan

First Class

(In order of merit)

11. { Sri Saktiprasad Sengupta
    { ,, Balwant Singh
13. ,, Sashi Chandra Sharma
14. ,, Udayan Sen
15. ,, Sripati Nag
16. ,, Maloy Kumar Datta
17. { ,, Adyanath Karmakar
    { ,, Subir Sengupta
19. ,, Ajitkrishna Nandi
20. ,, Rai Chand Choraria
22. { ,, Bimalendu Bikash Saha
    { ,, Kishor Shah
23. ,, Bhupendranath Brahma
24. ,, Rajendra Kumar Sharma
25. ,, Nagendrachandra Ghosh
26. ,, Churamani Hazra
27. ,, Rammangal Bhattacharyya
28. ,, Arabinda Chattopadhyay
29. ,, Ranjitkumar Datta
30. ,, Ramaprasad Bhaumik
31. ,, Syamalkumar Lahiri
32. { ,, Ajitsankar Chakrabarti
    { ,, Ajaykumar Chakrabarti
34. ,, Jyotirindranath Sengupta
35. ,, Purna Dhar Deuri
36. ,, Bikramaditya Sit
37. ,, Pabitra Kumar Das
38. ,, Amalkumar Mukhopadhyay
39. ,, Srimantakumar Lahiri
40. Md. Anwarul Haque
41. Sri Taraprasad Sarkar
42. ,, Manabendra Chakrabarti
43. ,, Mohanlal Mandal
44. ,, Kiriti Mohan Das
45. ,, Bijaykumar Sarkar
46. ,, Srimantakumar Dasgupta

47. ,, Phani Bhushan Dhar
48. ,, Nityananda Bandyopadhyay
49. ,, Bishnu Charan Bhattacharjee
50. ,, Arunkumar Mukhopadhyay-I.
51. ,, Mukul Gangopadhyay
52. { ,, Amalkumar Bandyopadhyay
    { ,, Nirmal Kumar Basak
54. ,, Subirkumar Datta
55. ,, Sibanath Raychaudhuri
56. ,, Sankar Datta
57. ,, Sadananda Sen
58. ,, Debabrata Sen
59. { ,, Bejoy Kumar Sinha Ray
    { ,, Bibhaschandra Bagchi

Second Class

61. Sri Tusharkumar Chaudhuri
62. ,, Prithwiskumar Bhaumik
63. ,, Dhrubakumar Mukhopadhyay
64. ,, Arunkumar Mukhopadhyay
65. ,, Syamal Gupta
66. ,, Madhusudan Maiti
67. ,, Dhrubajyoti Pal
68. ,, Mihirkanti Nag
69. ,, Samarendranath Bandyopadhyay
70. ,, Debabrata Mukhopadhyay
71. ,, Durga Prosad Bora
72. ,, Ganangsukumar Kar
73. ,, Taraprasanna Sarkar
74. ,, Salilkumar Pal
75. ,, Ajitkumar Das
76. ,, Arunansu Sen
77. ,, Dilipkumar Nag
78. ,, Sanatkumar Rakshit
79. ,, Manmathanath Ray
80. ,, Shashi Shekhar Thakur
81. ,, Prabhatkumar Sinha
82. ,, Samirkumar Basuray
83. ,, Krishnaprasad Gupta
84. ,, Ramsankar Das
85. ,, Prabirchandra Chakrabarti
86. ,, Sisirkumar Das
87. ,, Pabitra Kumar Chatterjee

88. ,, Krishna Prasad Das
89. ,, Syamalkanti Guha
90. ,, Dilipkumar Sen
91. ,, Pranabkumar Barman
92. ,, Biswanath Mukhopadhyay
93. ,, Sibaprasad Ghoshdastidar
94. ,, Niradkumar Bhattacharyya
95. ,, Asimendu Sen
96. ,, Makhan Chowdhury
97. ,, Zainul Abedin
98. ,, Indubhusan Hazarika

APPENDIX "D"

1. Jatindra Krishna Gold Medal	— For standing First at the final Chemical Engineering Examination.	— Sri Pranabkumar Mukhopadhyay
2. Asoke Memorial Gold Medal	— For standing First at the final Electrical Engineering Examination (Power Option).	— Sri Kalyansri Dasgupta
3. Kiron Chandra Roy Memorial Silver Medal	— For standing First at the final Electrical Engineering Examination (Communication Option).	— Sri Prabhaschandra Sen
4. Srish Chandra Bir Pratap Memorial Silver Medal	— For standing First at the final Mechanical Engineering Examination.	— Sri Subodhkumar Chanda
5. Barindra Memorial Silver Medal	— For standing First in the subject "Principales of Electrical Engineering II" at the final Electrical Engineering Examination.	— Sri Sashi Kanta Mohapatra
6. Sudhakar Barman Smriti Silver Medal	— For securing highest marks in the subject "Industrial Chemistry II" at the final Chemical Engineering Examination.	— Sri Suprabhatkumar Datta
7. Pramatha Nath Bose Bronze Medal	— For securing highest marks in the subject "Engineering Geology"at the final Mechanical Engineering Examination.	— Sri Sunil Kumar Das

8. Byomkesh Chakravarti Memorial Gold Medal	— For securing highest marks in Differential Equations and Electrical Networks at the final Electrical Engineering Examination.	— Sri Kalyansri Dasgupta
9. K. P. Das Gupta Memorial Silver Medal	— For securing highest marks in the subject "Modern World I"	— Sri Dhruba Ghose
10. Rector's First Prize for Rs. 500/-	— For securing highest total marks among the successful candidates at the final Examination in Chemical, Electrical & Mechanical Engineering.	— Sri Subodhkumar Chanda
11. Rector's Second Prize for Rs. 125/-	— For standing First at the final Chemical Engineering Examination.	— Sri Pranabkumar Mukhopadhyay
12. Rector's Second Prize for Rs. 125/-	— For standing First at the final Electrical Engineering Examination.	— Sri Kalyansri Dasgupta
13. Rector's Second Prize for Rs. 125/-	— For standing First at the final Mechanical Engineering Examination.	— Sri Subodhkumar Chanda
14. Rector's Third Prize for Rs. 125/-	— Best N. C. C. Cadet.	— Sri Prem Chand Goyal (M.E. 4th Year Class)
15. Rector's Fourth Prize for Rs. 100/- and a Slide Rule	— The Best All-Rounder	— Sri Sujit Kumar Das (M. E. 4th Year Class)

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APPENDIX "E"

Teachers of different cadres and Departments

Faculty of Arts

	English	Bengali	Sanaskrit	Comparative Literature	History	Economics	Philosophy	International Affairs
Professor	2 Part-time	1	Nil	1	1	1	Nil	1
Senior Lecturer	Nil	1	Nil	1	1	1	Nil	Nil
Lecturer	2+1 Part-time	2	3	2 Part-time	2	2	2	2 Part-time

Faculty of Science

	Physics	Chemistry	Mathematics	Geological Sciences
Professor	1	3	1	Nil
Senior Lecturer	3	3	1	1
Lecturer	6	5	4	3

Faculty of Engineering & Technology

	Mechanical	Electrical	Chemical	Humanities
Professor-in-charge	1	1	1	Nil
Professor	3	2	2	—
Assistant Professor	3	4	4	—
Lecturer	32	14	14	1+1 Part-time

APPENDIX "E—I"

RESEARCH AND PUBLICATIONS (1956-57)

DEPARTMENT OF ECONOMICS

Publications :

1. A Note on the Foreign Exchange Requirement of Development Plans—A. K. Sen - Economia Internazionale, Vol. X, No. 2 (Printed in English with summary translations in French, German, Spanish and Italian).
2. On Deficit Financing and Inflation—A. K. Sen—Economic Affairs—Vol. 1, No. 4.
3. On the choice of Technology—Special Article—Economic Weekly—A. K. Sen. July, 1956.
4. Labour Cost and Economic Growth—Special Article—Economic Weekly—September 29, 1956—A. K. Sen.
5. Work round the clock—A study of Multiple shift working—Special Article—Economic Weekly—Annual Number, 1957. A. K. Sen.
6. Man, Machine and Growth—A study of Technological Choice and Time Preference—Special Article—Economic Weekly, March 30, 1957—A. K. Sen.
7. Technical Progress and the Progress of Economic Development—Distributed by the Netherlands Universities Foundation for International Co-operation, The Hague, 1956—H. Banerjee.

DEPARTMENT OF HISTORY :

Publications :

I. History of the Candellas'—by Dr. N. S. Bose (Book).
2. The English Factory at Hughli—Sri B. P. Mukherjee—Paper read before the Indian History Congress—1956.
3. The Gold Content of Gupta Coins—Dr. S. K. Maiti—Paper read before the Indian History Congress—1956.
4. Karpuradevi—Dr. N. S. Bose—Paper read before the Indian History Congress—1956.

DEPARTMENT OF BENGALI :

Publications :

1. The Text of the Amaru-sataka, a study in Textual Criticism, in Our Heritage—Pt. 1. Vol. II, pp. 1-75.—Dr. S. K. De.
2. The Amarusatka, with unpublished commentary of Rudramadeva, in **Our Heritage** Vol. II. pt. ii, pp. 265-315—Dr. S. K. De.
3. Meghaduta, critically edited for the Sahitya Academi, with critical notes Appendices, New Delhi, 1957, pp. 1-115—Dr. S. K. De.

4. Banga - bhasaya Ramlila Kavya—Sudarshan, Chaitra 1362 B. S.—M. M. Goswami.
5. Sangskrit-bhasaya Vidyasundar Prasanga Kavya—Kayastha Samaj Patrika—1362-63—M. M. Goswami.
6. Sugata-Swarana—Sudarshan—1362 B. S.—M. M. Goswami.
7. Vidyasundari Sangeet Sangraha—Homasikha—1360 B. S.—M.M.Goswami.
8. Gobinda Daser Kavita—Viswabharati Patrika—Sraban 1363 B. S. A. K. Datta.

DEPARTMENT OF SANSKRIT :

Publications :

1. Concept of Satta in Indian Philosophy—Read at Indian Philosophical Congress, 1957, Srinagar—G. M. Bhattacharyya.
2. A study on the Eternity of Sound—Calcutta Review—G.M. Bhattacharyya.
3. Is Prabhakara an Atheist ?—All India Oriental Conference—1957, Delhi—G. M. Bhattacharyya.
4. Buddha Darshana Nirban—Prabasi—G. M. Bhattacharyya.
5. Buddha Darshan—Prabasi—G. M. Bhattacharyya.
6. Kashmir—Prabasi—G. M. Bhattacharyya.
7. Bharat Chandra Siromani—Prabasi—G. M. Bhattacharyya.
8. Granthagar O Gabesana—Granthagar—G. M. Bhattacharyya.
9. Puthi Sangrakhan—Granthagar—G. M. Bhattacharyya.
10. Apurba O Iswar—Bhatamukh—G. M. Bhattacharyya.
11. Vedanta Darsana Paramarthatatta—S. Goswami.
12. Dainandin Jibana Adwaitabad—Debagan (Monthly Magazine) S.Goswami
13. Puran Sambhandha Kavyakti Prabandha—Swastika—S. Goswami.
14. Bharata Gorakshan—S. Goswami.
15. Sanaskrit studies in our Universities—Journal of All India College and University Teachers' Association, February, 1957. R. R. Mukherjee.
16. Kabi Jatindranath O Thahar Kavya—Taki Mahavidyalaya Patrika—September, 1956—R. R. Mukherjee.

DEPARTMENT OF COMPARATIVE LITERATURE :

Publications :

1. Swadesh O Samskriti—A book of Essays—Budhadeva Bose.
2. The Plot in Mrcchakatikam—Paper by Mrs. Sukumari Bhattacharji—Indian Historical Qrly.—December 1956.
3. Indian and Greek Epics—Paper by Father R. Antoine—Arani—Jadavpur College Magazine.
4. Bhindeshi Phul—A book of French Poetry in translation—Alok Ranjan Das Gupta in (in collaboration with Aloke Sarkar.)
5. Influence of Rabindranath on Hindi Poetry—Paper by Sri Alok Ranjan Das Gupta (in collaboration with Dayananda Vastav-Jatri.
6. Amiya Chakraborty's Pala-Badal (commentary on Modern Bengali Poetry)—Paper by Sri Alok RanjanDasgupta—Jatri.

7. Adnunik Bangla Kavita Prasanga (A commentary on Modern Bengali Poetry)—Paper by Sri Pranabendu Dasgupta—M. A. 2nd Yr.

DEPARTMENT OF CHEMISTRY :

Inorganic Chemistry

Subjects :

1. Use of Organic thio-compounds for the selective analysis of Inorganic elements of the sulphite group.

   The work is in progress and already some 7 papers on the grairastric estimation of bismuth, palladium, silver, thallium, lead, separation of platinum metals from each other and from silver have been publihsed. More two papers on the volumetric estimation of silver and palladium have been communicated.

2. Separation of precision metals as platinum metals including gold by Ionophoresis and circular paper chromatography.

   The work has been completed with highly effective results. With common electrolytes and with or without complexing agents it has been found possible to separate at least 4 of the precision metals from a mixture of them. Both with acetone and the tartiary butyl alchohol as solvents, 4 platinum metals can be separated from each other by circular paper chomatography in an hour or so. Two papers, one on circular paper chromatography and the other on I o n o p h o n e s i s have been communicated.

3. Ionophonesis and the separation of common ions.

   Separation of the elements of silver group, copper and this groups and the 3rd group elements of the analytical table has been satisfactorily completed and the work on the separation of 4th and 5th group is in progress. 3 papers have been communicated.

4. Separation of Niobium from Tantalum by Organic reagents.

   Studies on the effectiveness of the reagents as oxine, quinaldinio acid, picolinic acid, cupferron etc. are in progress.

Publications :

1. 5-6—Benzoquinaldinic acid as an analytical reagent. Part: 1. Determination of thorium and ziroconium—A. K. Majumdar and S. Banerjee. Anal Chim. **14**, 306, 1956.
2. —do— Part 11. Determination of titanium—A. K. Majumdar and S. Banerjee, ibid., **14**, 427, 1956.
3. Determination of titanium by cupferron with complexone 111 as the masking agent—A. K. Majumdar and J. B. Roy Chowdhury, ibid., **15**. 105, 1956.
4. 5-6—Benzoquinaldinic acid as an analytical reagent. Part 111. Determination of mercury. A. K. Majumdar and S. Banerjee ibid., **15**. 511, 1956.

5. Electrochromatrography in the separtion of ions.—A. K. Majumdar and H. G. Mukherjee, ibid., **15**. 547, 1957.
6. —do—Separation of precious metals.—A. K. Majumdar and M. M. Chakrabartty, Naturwissenschaften, **44**, 9, 1957.
7. Bismuthiol 11 as analytical reagent. Part 1, Estimation of Bismuth. A. K. Majumdar and M. M. Chakrabartty, *Z*. Anal. Chem., 154, 262, 1957.
8. —do— Part II, Estimation of lead.—A. K. Majumdar and B. R. Singh, ibid., 154, 413, 1957.
9. —do— Part III, Estimation of palladium.—A. K. Majumdar and M. M. Chakrabartty, communicated to Z. Anal. Chem.
10. —do— Part IV. Estimation platinum metals. A. K. Majumdar and M. M. Chakrabartty, ibid.
11. —do— Part V. Estimation of silver—A. K. Majumdar and B. R. Singh, ibid.
12. Bismuthiol II as analytical reagent. Part VI. Estimation of thallium, —A. K. Majumdar and B. R. Singh, ibid.
13. —do— Part VII. Estimation of separation of silver from precious metals—A. K. Majumdar and B. R. Singh, ibid.
14. —do— Part VIII, Volumetric determinations of bismuth and palladium—A. K. Majumdar and M. M. Chakarbartty, ibid.
15. —do— Part IX. Volumetric determinations of lead and silver— A. K. Majumdar and B. R. Singh, ibid.
16. Electrochromatography in the separation of ions. Part II. Separation of precious metals—A. K. Majumdar and M. M. Chakrabartty, communicated to Anal, Chem. Acta.
17. Modern trends in the analysis of trace amounts of thorium— A. K. De, communicated to Science & Culture.

Organic Chemistry :

Subjects :

I. New method of synthesis of alicylic ring systems :—

   The object of this project was to synthesise—Methyl hydrindane and perhydrophemanthene derivatives and to study the sterochemistry of the products formed.

   The previous report indicated the synthesis of Cis-S-Methyl hydrindane and this work has been thoroughly studied and a paper has been communicated on this findings. Furthermore a synthesis of trans-cyn-cis 9-Ketoperhy-drophenanthrone has been achieved.

2. Studies in Reactions :—The Michael reaction is being no studied to build up non-aromatic steroid.

   The synthesis of 2-Methyl decalinedibne—1, 6 has been achieved and attempts are being made to utilise this compound and its dervative to build up the necessary perhydrophananthrene structure.

3. Investigation on Tarpenses—The object of this work is to establish the constitution of hinokiol.

   The preparation of 1-keto-6-isoprophyl-7-methoxy-tetra-hydronapthalene has been achieved.

4. Investigation of the constituents of Pisum Sativam :—In view of the sterility effect the non-saponifiable constituents of the oil is being examined. —Amyrin and — sitosterol have been isolated (J. Ind. Chem. Soc. **34**, 247, 1957).

5. Steriods :— The object of this project is to synthesise the steriod.

   The synthesis of 9-keto-2-Methyl-1, 2-Cyclopantane-I, 2, 3, 4a, 4b, 5, 6, 7, 8, 8a, 9-dedeca hydrophonanthrene has been achieved and the latter compound was reduced to 19-nonsteroid (Paper communicated).

6. Investigation on Chrysoflorene Derivatives :—With a view to synthesise the degradation product of the alkaloid Jervine the project was initiated.

   Substituted 2-Indianione has been prepared and the reactions are being studied.

Publications :

1. Synthesis of cis 8-methyl-hydrindanone-I, B. K. Bhattacharyya and R. C. Chatterjee, Science and Culture, **21**, 543 (1956).
2. Synthesis of 0 : 3 : 4—Bicyclononane Derivatives—B. K Bhattacharyya and A. Banerjee, Science and Culture, **21**, 549 (1956)
3. Stereospecific synthesis of trans—I—Dydroxy-8-methyl 4, 5—(4'-methoxybonze)—hydrindane, trans—**1**—Hydroxy-8-methyl-4, 5-(3'-methyl-4' —methoxybenzo)—hydrindane and d, **1**— equilenin methul ether. D. K. Banerjee, S. Chatterjee, C. N. Pillai and M. V. Bhatt, J. Am. Chem. Soc. **78**, 3769 (1956).
4. Pisum sativum (linn)—B. K. Bhattacharya—J. Ind. Chem. Soc., **34**, 247, 1957.
5. A new synthesis of Cis. B. K. Bhattacharyya, J. Ind. Chem. Soc., **34**, 515, 1957.
6. Synthesis of 9 Keto-2 Methoxy—B.K. Bhattacharyya, J. Ind. Chem. Soc., **34**, 855, 1957.
7. Synthesis of 9 Keto-2 Methyl,—B.K. Bhattacharyya, J. Ind. Chem. Soc., **34**, 715, 1957.

PHYSICAL CHEMISTRY :

Subjects :

1. Ionophonesis of purines and pyrimidines (Experimental conditions for accurate and reproducible results worked out, requiring about a year's time).

   The experimental conditions were worked out. One note and one full paper were published on the work already done.

2. Ion Exchange by Synthetic resin in mixtures of electrolytos. The study

mainly consisted in the estimation of ionic anabagonisum in the dynamic system of a resin column.

Parts of the work have been published.

3. Polarographic investigations on the half wave potential of chromons chronic systems and the influence of viscosity of the medium on the result.

   Results have been communicated for publication and another paper is ready for communication.

4. Quenching of fluroscence and the influence of different physical factors on the process.

   One note has been publishid and one paper communicated.

5. Electrokonetic potential of precipitates and of glass particles in media of different dielectric constants.

   Two different precipates were studied in three media. A note on the work done will soon be communicated.

6. High Frequency Titrimetry.

   The work in the line is mainly analytical in nature. Already some progress has been made in acidimetric and precipitations titrations etc. A note has been sent for publication.

7. Emulsion Plymerisation.

   Emulsion polymerisation of styrene has been taken up at two different temperatures for kinetic study with special reference to mercaptans as chain transfer agents.

Publications :

1. Paper inophoresis of some purines and pyrimidines—S. N. Mukherjee and A. R. Ghosh (Jour. Ind. Chem. Soc,. Vol. **33**, 573, 1956).
2. Absorption of Phosphate by Clay minerals—Part 1 Kaolimite and Haldoyerite—P. R. Sinha (ibid. Vol. **33**, 415, 1956).
3. Mercaptans as chain transfer agent in emulsion poly-mersation of styrene—By P. R. Sinha & K.L. Mallik, (ibid. Vol. **34**, 424, 1957).
4. H. ion concentration of monsoon rain water at Calcutta—A. K. Mukherjee (Ind. Jour. of Meteorology & Geophysics, **8**, 322, 1956).
5. Effect of viscosity on the quenching of fluorescence—S. N. Mukherjee and G. C. Bhattacharyya (Proc. Ind. Science Congress, Part III, Chemistry Section).
6. Viscosity of Poly-2—Vinyl Pyridine in Acetic Acid.—B. B. Mukherjee and M.N. Das—(J. Ind. Chem. Soc.,**34**, 702, 1957).
7. Determination of Water in Acetic Acid.—M. N. Das—(J. Ind. Chem. Soc., **34**, 248, 1957.)
8. Determination of Cadmium as Salicylaldoximate by Non-Aqueous Titration —M. N. Das—Proc. 44th Ind. Sci. Cong., 1957 Part III, P 73 (Abstract).

DEPARTMENT OF PHYSICS :

Subjects :

1. Radio Carbon dating of historical and archaeological specimen.

   The programme was carried into effect by a member of the staff at the Calcutta University. A modified plant is being installed at this University.

2. Investigations on discharge mechanism in a metal and oxide semiconductor contacts.

   It is a sequel to Sri J. C. Bose's poineering work on coherers. Some striking results have been obtained.

3. A neutron generator.

   A similar plant employing T-D reaction was installed by the author at Bose Institute.

4. Electrets.

   New temperature measurements of the susceptibility (magnetic) of electrets have been made. Paper ready for publication.

5. Cosmic Rays—Time Variation of mason and neutron intensity.

   Participation in International Geophysical Programme.

6. Validity of Ferim-Dirace Statistics for thermionic at low temperatures.

   Preliminary measurements have been made.

7. Hall-effect in metals and semi-conductors.

   Preliminary measurements have been done.

8. Studies in Radio-Active fall out due to nuclear explosives.

   This work has been continued for 2 years in Calcutta University. Modified installations into this University.

9. Strain measurements in molecular solids.

   Preliminary measurements have been made.

Publications :

1. Anisotropy in absorption of aromatic single crystals—S. C. Ganguly, N. K. Choudhury and B. C. Mukherjee—Proceedings 44th session of Indian Science Congress Association, 1957.
2. Nuclear size from Cosmic Ray interactions—M. S. Sinha and N. C. Das—Physics Review.
3. Relative (n, 2n) reaction cross-section for Silver nuclides at 14 mev—A. N. Banerjee (Read at the Nuclear Physics Seminar, Calcutta University).
4. Reversal in the magnetic susceptibility of an electretforming material—S. D. Chatterjee and N. G. Sutradhar—Naturwiss, **12**, 366, 1955.
5. Abnormal increase in the dielectric constant of an electretforming material-S. D. Chatterjee and T. C. Bhadra, Phys. Rev. **98**, 1728, 1955.
6. On diurnal variation of Cosmic ray intensity at Ottawa—S. D. Chatterjee & J N. Block. Can. Jour. Phys. **33**, 577, 1955.
7. Analysis of Cosmic ray bursts in a thickly shielded Ionisation Chamber.—

S. D. Chatterjee & G. Ramaswami—Bulletin No. 9. National Institute of Science of India, 1957.

8. On the 'Kinetic' equivalence of Bromine atoms in PBr_5 —S. D. Chatterjee.
9. Measurement of Ionospheric heights by the method of delayed Coincidence. —H. Rakshit & S. D. Chatterjee—Zeit. F. Physik—**141**, 540, 1955.
10. Radio-carbon dating of Pataliputra rampart—S. D. Chatterjee, M. N. Ghosh, S. Kisdnasmi & E. G. Bandopadhyay—Sci. & Cult. **20**, 615, 1955.
11. Radioactive nuclei in rains over Calcutta—K. G. Bandopadhyay, G. C. Ghosh, P. Bandopadhyay, J. C. Chakravarti & S. D. Chatterjee—Sci. & Cult. **21**, 273, 1955.
12. Consideration of Energy flow in the problem of phase lag.—T. C. Roy, Bull., Cal. Math. Soc. 1955.
13. Cluster of particles free from singularities—T. C. Roy—Zeit. f. Ast. Phys. 1956.
14. Size frequency of penetrating Showers in Paraffin & Lead—T. C. Roy, Indian Journal of Physics, 1956.
15. Radiation damping in Compton Scattering—T. C. Roy, Proc. Nat. Inst. Sc., 1955.
16. Radiative Correction in Compton Scattering—T. C. Roy, Proc. Nat. Inst. Sc., 1957.
17. On the Extra laue spot in Diamond and their intensity correlation with their Fluorescence yeild. Ind. J. Phys. Vol. Page 1956. By S. N. Sen.
18. On the Crystal structure of P-cichlorobenzene at different temperatures.—S. N. Sen—Ind. J. Phys. Vol. 1956.
19. The Fluorescence of some diamonds excited by X-rays.—S. N. Sen—Ind. J. Phys., 1956.
20. Tewari & Bhattacharya : Concerning the frequencies resulting from distortion. Am. J. Phys., 23, 128, 1955.
21. Tewari & Bhattacharya : Concerning the complex conjugate of a function. Am. Phys., 23, 624, 1955.
22. A Neutron Generator using T (d, n) reaction by A. N. Banerjee, Science & Culture, March, 1955.
23. On the relative (n, 2n) reaction cross sections for the natural silver nuclides at 14 mev. by—A. N. Banerjee, Symposium in Nuclear Physics, Cal.—University—1957.
24. On the reversal of magnetic susceptibility of electret forming material—Dr. S. D. Chatterjee & Sri N. G. Sutradhar—Natur Wissen Schaften—1955.

DEPARTMENT OF GEOLOGICAL SCIENCES :

Subjects :

1. Investigations on the tin-bearing minerals associated with Granite Pegmalites in the Pahar Singh area, Ranchi District, Bihar—Mindralgraphic investigations of the tingenesis and economic utilisation.

   Work is in progress. A preliminary report in the form of a paper has been published in the Proceedings of the Indian Science Congress, 1957.

2. Petrological, Chemical & other physical studies of Coal, from Raniganj Coal field, with a view to their benefication and specialised utilisation.

Field work with a view to collection of representative samples, both from surface and underground, Laboratory Investigations e. g. Microscopic work, Chemical analysis and blending etc. Correlation of data.

Some samples have been collected and microscopic studies of these are in progress. Additional equipment are needed immediately.

3. Study of Petrology, Stucture, Mineralisation and Radio-activity of an area around the Trijunction of Bankura, Midnapur and Purulia, Districts of West Bengal.

Geological & Structural mapping of the different rock types Petro-fabric studies of oxide, Tungstate and sulphide mineral views. Radio-active grit Survey along shearzones.

Geological mapping of the area has been done. Detail Collection of samples has been made. A note on the laboratory investigations of the samples has been published in the proceedings of Indian Science Congress, 1957.

4. Study of the basic and Ultra Basic Rock suits with the related problem of ore-genesis of the area around Nansali, Keonjhar, Dist. Orissa.

Detail mapping and petrological studies of the rock types. Mineragraphic Mineralogenetic studies of the ores. Structural control of ore-mineralisation. Differentiation & correlation.

Geological mapping of a part of the area and detail sampling has been done. A note on the mineragraphic studies of chronite is under publication in the Journal of Science & Culture. Further microscopic work is in progress.

5. Investigations on the Maganese Ores of India—the conditic, Koduritic and hateriotord types.

Detail mineragraphic study of Manganese Ores of the principal deposits of India. X-Rays diffiraction study of the Manganese Minerals. Ore genesis and benefaction of low grade ores.

Systematic collection of manganese ores samples has been throughout the entire manganese belt of Madhya Pradesh and Bombay. Mineragraphic investigations of these ores are in progress and a report of a part of this work is being submitted for publication in the Proceedings of the National Institute of India.

Publications :

1. Geology and Mineralogy of Tin-bearing formations of Pahar Singh Area, Ranchi—S. Deb—Proc. Ind. Science Congress—1957.
2. Ore-Microscopic study Magnetite near Kudada, Singhbhum Dist.—B. C. Mukherjee, Vol. 21 of Sc. & Cult. 1956.

3. Ore-Microscopic study of Thnenite from Sambalpur, Dist. Orissa—B.C. Mukherjee—Proc. Ind. Sc. Cong., 1957.
4. Petrological characters of coal and their significance to industry—B. C. Mukherjee—Ind. Min. Jr. Coal Industry Symposium, 1956.
5. Thermal Experiment with vanadium bearing titaniferous magnetite of Mayurbhanj—A detail study of the different types of crystallographic Intergrowth—S. Roy—Proc. N. I. S. I., 1956.
6. Origin of the Vanadiferum bearing titaniferous magnetite of Mayurbhanj, Orissa, India Proc. N. I. S. I., 1956.—S. Roy.
7. Textural Evolution of Kishengarh (Rajasthan) Ilmenite—S. Roy—Proc. N. I. S. I., 1956, jointly with S. Roy Choudhury.
8. Mineragraphic study of copper-lead ore, West of Binatangar, Singhbhum Dist.—S. Roy—Proc. Ind. Sc. Cong., 1957.
9. Mineragraphy as an aid to beneficiation. Bhu Vidya. Golden Jubilee Vol. 1956-57 - S. Roy.
10. Magnetite-Martite—Goethite relations in the Iron Ores of Badampahar, Mayurbhanj, Dist. Orissa.—K. L. Chakraborty - Proc. Ind. Sc. Cong., 1957.
11. Ore Microscopic study of the Iron Ores of Badampahar, Mayurbhanj, Dist. Orissa - K.L. Chakraborty-Qt. Jr. Geol. Min. Met. Soc. Ind., 1957.
12. Note on the accurence of allanite in and around the Kimlapal Granite Greiss. - P.S. Chakraborty - Proc. Ind. Science Congress, 1957.
13. Book - 'Madhya Siksha Bhugol' - P. N. Hore - Published by Messrs. A. Mukherjee & Co. (Private) Ltd. in December, 1956.

GEOGRAPHY :

Publications :

1. "Natural Regions of India—a problem for Indian Geographers"—P. N. Hore—Published in the "Proceedings of the 42nd Session of the Indian Science Congress", 1955.
2. "Some Studies on the Population Pattern of India"—P. N. Hore—Published in the "Proceedings of the 43rd Session of the Indian Science Congress", 1956.

DEPARTMENT OF MATHEMATICS :

Publications :

1. Note on type of distortionless transmission line with variable line parameters—Dr. B. B. Sen—Indian Journal of Theoretical Physics—Vol. 4 (1956).
2. Waves produced by a pressure system moving with an acceleration over the surface of deep water—R. N. Bhattacharyya—Proceedings of the National Institute of Sciences of India—Vol. 22 (1956).
3. Wave resistance in deep water due to the accelerated motion of pressure system, Proc. N.I.S. India, Vol. 23A, 1957.
4. Stresses in certain thin blades rotating about an axis lying in their middle

plane—B. B. Chatterjee—Zeitschrift Fur angewandte Mathematik and Mechanik. Band 36 (1956.)

5. Stresses in a rotating circular disc of aclotropic material considered as a three dimensional problem—B. B. Chatterjee—Jour. Tech., Vol. II, 1957.
6. Stresses in Acolotropic elliptical disc rotating about an axis lying in its middle plane.—B. B. Chatterjee—Jour. Tech. Vol. II, No. 2, 1957.
7. On the slow steady two-dimensional flow of a viscous liquid in a channel bounded by two non-concentric circular area. Bulletin of the Calcutta Mathematical Society. Vol. 48, (1956)—S. R. Khamrui.
8. On the slow steady rotation of a sphere in a viscous liquid—S. R. Khamrui—Bulletin of the Calcutta Mathematical Society—Vol. 48 (1956).
9. Disturbances on cylindrical origin in an isotropic elastic medium—Sakti Kanta Chakraborti—Geofisica Pura E Applicate, Vol. 33 (1956).
10. Propagation of waves due to farees of a nearly speroidal cavity—Calcutta Math. Soc. 1957—S. K. Chakraborty.
11. On disturbances Produced in an elastic medium by twists applied on the inner surface of a spherical cavity—Sakti Kanta Chakraborti—Geofisica Pura E Applicate. Vol. 33 (1956).
12. Disturbances in different types of elastic media—Sakti Kanta Chakraborty—Geofisica Pura E Applicate. Vol. 35 (1956).
13. Raybigh Waves in multi layered medium with applications to micro seisms monthly notices of the Royal Astronomical Society—Vol. 7. No. 6, 1957.—M. Mitra.

DEPARTMENT OF CHEMICAL ENGINEERING & TECHNOLGY :

Chemical Engineering :

Subjects :

1. The quantitative study of mass transfer kinetics in extraction of inorganic salts such as thorium and Rare Earth salts with organic solvents in continuous counter-current columns.

   Preliminary work is complete and a large number of distribution data with and without salting but agents by organic solvents such as M. I. B. K. mestyl oxide, isoamyl alcohol have been taken. The work is continuing.
2. Study of the distribution transfer and separation of Uranium from Thorium and Rare Earth compounds by organic solvents (single and mixed) in continuous columns.

   A number of distribution data for uranyl butyrate with organic solvents such as isoamyl alcohol, M. I. B. K. etc. have been obtained, and a few data on the kinetics of transfer of the compound in isoamyl alcohol in continuous spray column have been taken.
3. Oxidation of Indian Coals at low temperatures.

   Preliminary work is complete. Furnace has been constructed and a

large number of test data from various samples of Indian coal supplied by the R. R. I. has been taken. The work is continuing.

4. Production of elemental sulfur from natural metal sulfides.

   Most of the equipment have been assembled. Fluidization characteristics of the reactor have been determined. Bath run of the fluidized reactor project is to be started soon. The work is cotinuing.

Publications :

1. Limiting flows in packed extraction columns with and without undisturbed solute in the countercurrent liquid phases—S. R. Ghoshal and D. K. Dutt—Published in Transactions of the Indian Institute of Chemical Engineers—Vol. VIII, Part I, p. 30-41, January 1957.
2. Diffusion coefficients of vapours into pure gases and their mixtures—N. K. Bose and B. N. Chakraborty—Trans. Ind. Inst. Chem. Engineers, VIII, Part I, p. 67, Jan. 1957.
3. Untersukhungen Uber Die Oxydation Von Kohlen Bei Niedrigen Temperaturen—B. C. Chanda—Brennsteff-Chemie, **47**, 1957.

Food Technology :

Subjects :

1. Detection of adulteration in processed foods—Adulteration with cheaper fruits and vegetables is a common practice but cannot be detected by known methods. It is the purpose to develop methods for detection.

   Work has been started in January 1957.

Publications :

1. Studies on Bacteriology of canned vegetables of Indian Origin—A. N. Bose and J. M. Ayan Dutt—Fruit & Vegetable Preservation Industry in India, 1956, page 175-179.
2. Food Technology—A. N. Bose, Annual Review of Biochemical and Allied Research in India—Vol. 26, page 1-10.
3. Transport of Fresh Fruits and Vegetables.—A. N. Bose—J. of Sci. Club, Vol. 9, page 153-155.
4. Research in Food Technology—its scope in National Development Plan—Symposium on 'Scientific Research in Relation to National Development Plan'. National Institute of Science of India (1956).
5. Studies on a riboflavin excreating yeast. Part III—Suitable sources of carbon and nitrogen—K.K. Mitra, J. Sci. Indstr. Res. 15C (1956) 257.
6. Industrial fermentation processes and the scope of their development in India during the Second Five Year Plan Period—K. K. Mitra, Trans. Indian. Inst. Chem. Engr. 8 (1956) Part II.

OIL TECHNOLOGY :

Publications :

1. Note on the solubility of some vegetable oils in Ethyl Alcohol by S. P. Das and B. Ghosh. Indian Soap Journal, Vol. 22, p. 27, Aug. 1956.

2. Pressure Drop in the flow of suspensions—Part I. by B. Ghosh, Transactions of the Indian Institute of Chemical Engineers, Vol. VIII, Part I, pp. 76-81.
3. Studies on combustion of Pulverized Coal—Part I,—(Theoretical) by B. Ghosh—submitted to C. S. I. R. Journal.
4. —do— Part II (Combustion within a Furnace) by N. K. Ray, D. Basu and B. Ghosh—submitted to C. S. I. R. Journal,
5. —do— Part III (Stable Pulverized Coal flames in open air) by N. K. Roy and B. Ghosh—sumbitted to C. S. I. R. Journal.

DEPARTMENT OF ELECTRICAL ENGINEERING :

Communication Engineering :

Publications :

1. Synthesis of an equivalent Network of Junction Transistor—A. R. Saha—Journal of College of Engineering & Technology, Jadavpur, 1956.
2. Wide Band Oscillator—S. N. Das—Proceedings of Indian Science Congress 1957.
3. Effect of Solar corpuscular radiation on terrestrial magnetism—J. S. Chatterjee—Proceedings of Indian Science Congress 1957.
4. Induction in the core by Magnetic storms and earth's Magnetism—J. S. Chatterjee—Science & Culture, April 1956.

DEPARTMENT OF MECHANICAL ENGINEERING :

Publications :

1. Effect of Carbon in Steel on its micro-structure by Heat treatment.
2. Relation between hardness and tensile strength of non-ferrous metal produced in India.
3. Relation between grinding wheel wear and metal removed.
4. Effect of Carbon in steel on its physical properties obtained by Heat treatment.

APPENDIX "F"

Report on the progress of the Laboratory Technicians' Training Course at Jadavpur University sponsored by UNESCO during the period December 17, 1956 and 31st January, 1957.

INTRODUCTION

In September, 1956, the Jadavpur University was approached by the United Nations Educational Social Cultural Organisation at Delhi with a proposal for instituting a short term course for training Laboratory Technicians from the neighbouring countries in South Asia. Dr.R. Naidu, Educational Liaison Officer, UNESCO, discussed the various aspects of the proposal with Dr. T. Sen, the Rector of the University, and requested him to organise a suitable course.

The trainees, it was given to understand, were to be selected by the Governments of the countries interested in the scheme from among persons who had already been employed as Laboratory Technicians or Laboratory Assistants in their universities, other educational or research institutions and had been in active service for at least two years. The students were required to have general academic qualifications upto the Indian Matriculation Standard or its equivalent. It was also suggested that familiarity with simple techniques in vogue in the Physical Laboratory, the Chemistry Laboratory and also with Workshop Practices consisting mainly of the machine shop and assembly work were to be incorporated in the Course. The integrated course was to be of six weeks' duration and was decided to have strong bias towards practical aspects of a Laboratory Assistant's normal routine activities.

A small committee was formed for the purpose which suggested a tentative Laboratory Technicians' Training Course keeping in view the ideas and objectives already laid down for the approval of the sponsoring authority. While framing the course the Committee had in view all aspects of the problem that were to be faced. It was thought that for effective training in elementary machine shop, an elementary knowledge of fitting works, the use of fitters, tools, a knowledge of elementary measuring instruments and also an elementary acquaintance with sketches were essential pre-requisites. The courses for work in the Physical Laboratory and the Chemical Laboratory were likewise developed keeping in view the fundamental nature of the work a Laboratory Assistant is usually called upon to perform. The courses thus became rather lengthy for so short a period at our disposal. The Jadavpur University, however, wished to give it a fair trial in order to rationalise the course and also to realise the incidental problems associated with such a course. The Jadavpur University came forward in spite of its limited resources in order to render its humble service to the UNESCO in one of the branches of its multifarious activities.

The UNESCO approved of the course and agreed to give it a fair trial as a pilot course.

FORMAL OPENING OF THE COURSE

The Laboratory Technicians' Training Course sponsored by the UNESCO was started at the Jadavpur University, Calcutta, from 17th December, 1956. The students from different countries could not arrive on the same date for various reasons. All of them were accommodated in a furnished bungalow on the University campus. Arrangements for their board were also made. The batch consisted of 9 students from four different countries as shown below :—

Burma	—	4
Ceylon	—	2
Pakisthan	—	2
Nepal	—	1

The opening ceremony of the course was held on 18th December, 1956, at 4-30 P. M. in Sri Aurobindo Building of the University with Dr. S. C. Bhattacharyya, Dean of the Faculty of Engineering, Jadavpur University and officiating Principal of the College of Engineering & Technology, Bengal, in the Chair. Dr. R. Naidu explained the object of starting this course. Prof. P. Ray, Director of the Indian Association for the Cultivation of Science, formally opened the course and expressed his appreciation of the sponsoring of such a course by the UNESCO and explained its utility. He also expressed the opinion that glass-blowing which is an essential attainment for a laboratory technician should also be incorporated in the course. Distinguished gentlemen from the local factories and research institutions and members of the staff of the Jadavpur University attended the meeting.

The routine was prepared in consultation with the different departments concerned without any dislocation of existing routine of the College. It was decided that the students would work in each section as per the following schedule :

Chemical Laboratory	—	9 hours per week
Physical Laboratory	—	8 hours per week
Workshop practice	—	16 hours per week

The difficulties encountered in starting the prescribed course and in giving it flexibility to satisfy the needs of all the students :

On scrutiny of the academic qualification, the previous technical training as well as the nature of past and present employment and experience of each individual student it was found that the students from Ceylon had considerable experience in chemical laboratory work and that one of them had done quite advanced research work in the field of Bio-chemistry. The student from Nepal, a B.Sc. of Calcutta University, was attached to a College as Demonstrator. The students from Pakistan also had experienc

of about 12 years each, one in the field of chemistry and the other in the field of Workshop Technology. The four students from Burma were in employment and working in different branches of science such as Electronics, Geology Workshop and Physics. It will not be out of place to mention that the students from Burma were found to have the educational qualifications and experience needed for the course that had been drawn up.

The Committee members who framed the syllabus discussed the problems arising out of the situation and were of the opinion that it would be a wastage of time if all the students were made to undergo the same syllabus. The Committee further thought it would create certain difficulties for the University yet the students should be given the option of choosing any special branch and be allowed to work on that line for 8 to 9 hours a week.

One student from Ceylon and the student from Nepal opted for advanced laboratory work in Physical Chemistry. The other student from Ceylon opted to work in Organic Chemistry and Biochemistry. These were arranged with the consent and helpful co-operation of the Professors in charge of these departments. In the first week of January a letter was received from Dr. Tha Hla, Head of the department of Geology, University of Rangoon with a request that Mr. Maung Sein, a student from Burma (University of Rangoon) be given a special training in (1) Looking after the upkeep and maintenance of petrological microscopes and (2) Preparation of thin rock section, in addition to what are included in the syllabus. Dr. Nyi Nyi, of the same department, who happened to be in Calcutta at that time came down to meet the students of Rangoon University at Jadavpur. He made the same request. We were sorry that we were not in a position to give immediate effect to the proposal but it was arranged with the Professor-in-Charge of the Geology department for Mr. Maung Sein to work exclusively in the Geology Laboratory from the 21st of January to 31st of January. Mr. Maung Sein thus took a special training in the branch of Geology, as desired by Dr. Tha Hla.

The other students expressed their willingness to follow the scheduled syllabus which had already been circulated among them.

THE COURSE ACTUALLY COVERED AND OTHER RELATED INFORMATION :

The Course started from 17th December, 1956, and ended on 31st January 1957. The total number of days available were 46. Out of these there were 6 Sundays and 4 other holidays. So the actual working days available were 36. During these 36 days the whole course of chemistry was finished and in addition the students were taught as to how to give First-aid in Laboratory accident cases. The students were given opportunities for acting as Laboratory Assistants in the 1st year Science Laboratory. Here they not only helped the boys by providing them the chemical of certain specification and

strength but helped them in fitting and assembling apparatus required for certain experiments.

The staff of the Physics Department of the University conducted the experiment scheduled in the syllabus and all these were completed within the specified time.

The syllabus of Workshop Practice was rather long and in spite of our best efforts the scheduled syllabus could not be covered. The portion which could not be covered were the following : "Simple drawing, dimensioning, blue print reading, pipe line fitting with bends, T' s, sockets, elbows etc., assembly of valves, cocks etc., joining of sheets by cold riveting, bearing fitting by scraping, valve grinding etc."

The other portions of the syllabus were completed within the time.

The students were encouraged to do practical work and all of them took great interest in the shop work. The workshop of the University is fairly well equipped with modern machines and tools and the students were very much benefited by this.

Even though the main idea was to give the students only practical work, it was found rather difficult to proceed without preliminary lectures of the most elementary nature avoiding as far as possible the use of technical terms at the beginning. Practical demonstrations followed these lectures and there the students were asked to do the job themselves.

During the period visit to the following laboratories and factories were arranged :

1. Glass & Ceramic Research Institute.
2. Bengal Electric Lamp Works.
3. Jay Engineering Works.
4. Kodak & Co.
5. Primemover and Material Testing Laboratory of the College of Engineering & Technology.

A detailed record of the progress and performance of each individual student was kept.

The following syllabus was adopted :

CHEMISTRY LABORATORY (12 hours a week)

1. Acquaintance with chemicals and some of their properties—preparation of solutions.
2. Acquaintance with glass and other apparatus.
3. Fitting up of simple apparatuses.
4. Simple Laboratory processes—filtration, crystallisation, sublimation, distillation and arrangement of apparatus required for the purpose.
5. Arrangement of apparatus for Gas preparation and equivalent weight determination.
6. Weighing and use of balance.
7. Fitting up of Thermostat.

8. Use of Centrifuge.
9. Use of air oven.
10. Elementary glass blowing.
11. Assembly, adjustment of apparatus and technique of measurement of surface tension and viscosity of liquids.
12. Assembly & adjustment and experiments with Polorimetry or Sachharimetry.
13. Assembly & adjustment and experiments with Refractometry.
14. Assembly, adjustment and experiment with Colorimetry.
15. Determination of PH. (Colorimetry).
16. Specific conductance of liquids.
17. Flash point of oils.
18. Technique of preparation and analytical methods.

(2) PHYSICS LABORATORY (12 Hours per week)

1. Rough soldering.
2. Soldering galvonometer spiral and suspension and fitting mirrors to galvanometer and setting and galvanometer.
3. Battery charging (for A. C. & D. C. main)
4. Detecting live wire and polarity of the mains.
5. Minor repairs of ammeter, voltmeter and table galvanometer, buzzer etc.
6. Measuring resistance etc. by testing meters and testing continuity in same circuit.
7. Fitting cross wires to eyepieces.
8. General information of A. C. & D. C.
9. Elements of photoghraphic work and Darkroom techniques.
10. Vacuum Technique.
11. Setting up of a balance.
12. Knowledge of alignment in optical experiment.
13. Cleaning of electronic circuit.
14. Element of electronic circuit.
15. Maintenance of apparatus and instruments.
16. Adjustment of spectrometer and spectrograph.
17. Technique of arc light & spark discharge.
18. Epidiascope and projection of slides.
19. Elementary X' rays.
20. Detection of radioactivity.

(3) WORKSHOP PRACTICE (12 Hours per week)

(a) MATERIAL : Acquaintance with the most common metals used for machine and fitter's work such as cast iron, steel, copper, lead, aluminium, tin, brass, bronze, white metal. Cutting tool material such as carbon steel, high speed steel etc, their use and the standard forms in which these are commercially available. Demonstration tensile,twisting, impact and hardness test of metals.

(b) MEASUREMENTS : Use of scale and different types of calipers, Vernier scale, Vernier calipers, external and internal micrometers, height

gauges, depth guages, protractors, Bevel protractors. Measurement of components with the help of these instruments.

(c) POWER TRANSMISSION AND FASTENING : Acquaintance with the most common appliances for power transmission and fastening such as shafts, spindles, bolts of different kinds, belt pulleys bearings, braskets, banges, plummer blocks, gears, wheels, work, worm wheels, bevel gear, chain, sprockets, Rack and Rack pinion, stepped pulleys, splitpulleys. Principle of mechanical power transmission, simple calculation and demoinstration, keys, cotters, bolts, nuts, rivets, studs, screws etc. their applicaton, soldering, brazing and simple welding.

(d) ELEMENTARY FITTING : Acquaintance with fitter's tools, such as, vices, chisels, hammers, hack saw, files, scrapers, screw drivers, pliers, sponners, punches etc. their operation and specification and types in use. Simple work with the above tools much as sawing chiseling, filing, scraping, simple layout work, use of surface plates, marking blocks, prick punches, centre punch, drills and drilling, use of twist drills, making external & internal threads by Die and Tap.

(e) ELEMENTARY MACHINE WORK : Care and maintenance of tools and safety precautions. Shaping machine, making flat surfaces on a shaping machine, lathes, simple jobs on lathe such as turning drilling, facing, boring, thread cutting, etc. Use of chucks and other lathe accessories, demonstrations of ornamental turning, taper turning.

Demonstration of Capstan lathe, milling machine, slotting machine, planning machine, grinding machine.

(f) ASSEMBLY & REPAIR : Fitting and assembly of pipe lines with bends, Tee's, Sockets, elbows, valves and cocks, assembly of valves, cocks, taps, simple pumps, repairing of stoves and lanterns, blow lamps. Assembly and adjustment of Pressure guages. Repair and assembly of vacuum pumps and other simple machines and instrument.

(g) VISITS TO LABORATORIES, FACTORIES AND WORKSHOPS :

Visits to laboratories, factories and workshops to be made at times.

APPENDIX "G"

COURSE	No. of Applicant	Number admitted Boys - Girls	Total only
PREPARATORY :			
Arts	... 8	7 ... 1	8
Science	... 88	52 ... 2	58
DEGREE :			
ARTS :			
English	... Nil		
Bengali	... Nil		
Sanskrit	... Nil		
History	... 3	1 ... Nil	1
Economics	... 5	3 ... Nil	3
International Affairs	... Nil		
Philosophy	... Nil		
Comparative Literature	... 1	1 ... Nil	1
SCIENCE :			
Physics	... 30	20 ... Nil	20
Chemistry	... 28	15 ... 5	20
Mathematics	... 27	17 ... Nil	17
Geological Science	... 42	20 ... Nil	20
ENGINEERING :			
Mechanical Engineering	... 1409	90 ... Nil	405
Electrical do	... 895	58 ... 2	261
Chemical do	... 414	59 ... 1	229
Civil do	... 695	30 ... Nil	30
POST-GRADUATE :			
English	... 17	9 ... 6	15
Bengali	... 38	1 ... 18	19
Sanskrit	... 3	1 ... 2	3
History	... 36	6 ... 10	16
Economics	... 16	11 ... 3	14
International Affairs	... 25	11 ... 3	14
Philosophy	... 3	Nil ... Nil	Nil
Comparative Literature	... 7	5 ... 2	7
SCIENCE :			
Mathematics	... 87	18 ... 3	21
Geological Science	... 34	13 — Nil	13
ENGINEERING :			
Mechanical Engineering	...	11 ... Nil	11
Electrical do	...	N i 1	Nil
Chemical do	...	6 ... Nil	6
Civil do	...	N i 1	Nil
Engineering & Applied Geology		11 ... Nil	11

APPENDIX "H"

POST-GRADUATE EXAMINATION IN ENGINEERING

HELD IN 1956.

Engineering & Applied Geology :

Serial Nos.	Names
	First Class
	(In order of merit)
1.	Sri Nidhir Chakraborty
2.	,, Manjit Singh Chopra
3.	,, Debtosh Bagchi
4.	,, Bimalendu Sarkar
5.	,, Sibendrabilas Mukhopadhyay
6.	,, Kirtikumar Roychaudhuri
7.	,, Amal Mukhopadhyay, II
8.	,, Batukeshwar Dutt
	Second Class
9.	,, Chanchalkumar Mukhopadhyay

FINAL ENGINEERING EXAMINATION

Chemical Engineering :

First Class with Honours

(In order of merit)

1. Sri Ashis Kumar Sengupta

First Class

(In order of merit)

2. Sri Padam Chand Jain
3. ,, Dibyendunarayan Ghosh
4. ,, Kalikrishna Ghoshal
5. ,, Netra Mohan Manchand
6. ,, Birendranath Srimani
7. ,, Sasankasekhar Naskar
8. ,, Kalikinkar Bandyopadhyay
9. ,, Shyama Prasad Bhattacharyya
10. ,, Umananda Chandra

Second Class

11. Sri Bhaktibhushan Hazari
12. ,, Animesh Mazumder

13. Sri Duli Chand Poddar
14. ,, Nirmalbihari Debray
15. ,, Chandranath Das
16. ,, Nitis Sen
17. ,, Badri Prasad Ruia
18. ,, Kuryan G. K.
19. ,, Gangadharprasad Kundu
20. ,, Sanjitkumar Ghosh
21. ,, Vinod Kanaiyalal Desai
22. ,, Dipankar Bhattacharyya
23. ,, Sunilbaran Das
24. ,, Dhruba Kumar Roy
25. ,, Shyamalendu Bhattacharyya
26. ,, Asokkumar Ray
27. ,, Sukhendu Chattopadhyay
28. ,, Sunil Kumar Dey
29. ,, Radha Krishnamurty Nandivada
30. ,, Manaskumar Das
31. ,, Dilipkumar Ghatak
32. ,, Amitabha Mukhopadhyay
33. ,, Pijushkanti Bandyopadhyay
34. ,, Supriyaprasanna Ghosh
35. ,, Tarun Kanti Bhowmik
36. ,, Arjan Chandumal Chablani
37. ,, Indra Kant Jha

Passed

- ,, Purnendu Bandopadhyay '35
- ,, Satya Prosad Basu '37
- ,, Nikhil Kuma Gupta '38

41. ,, Murari Mohan Dawn '42

Electrical Engineering (Power Option) :

First Class with Honours

(In order of merit)

1. Sri Rabindranath Bhowal
2. ,, Susilchandra Acharyya
3. ,, Durga Charan Mohapatra
4. ,, Samirgopol Deb
5. ,, Sisirkumar Ghoshal
6. ,, Prabirkumar Mukhopadhyay

First Class
(In order of merit)

7. Sri Birendranath Chattopadhyay
8. ,, Bimalansu Bhattacharyya
9. ,, Pradip Kumar Dey Chaudhury
10. ,, Amritalal Chakrabarti
11. ,, Pradyotkumar Mukhopadhyay
12. ,, Susatakumar Sengupta
13. ,, Birendranath Sen
14. ,, Banaskumar Raychaudhuri
15. ,, Tapankumar Mitra
16. ,, Amiya Sindhu Chaudhuri
17. ,, Sunilranjan Bandyopadhyay
18. ,, Ajitkumar Ray
19. ,, Paritosh Dhar
20. ,, Manas Kumar Roy
21. ,, Subhendu Sekhar Bagchi
22. ,, Krishan Kumar Puri
23. ,, Bhagabati Prasad Pal
24. ,, Satya Brata Das Sharma
25. ,, Debabrata Maitra
26. ,, Bhaskar De
27. ,, Ajoy Kumar Dam
28. ,, Susanta Sen
29. ,, Pranabkumar Bandyopadhyay

Second Class

30. Sri Pranabkumar Sensarma
31. ,, Rabindra Nath Chakraverty
32. ,, Bijoy Kumar Talapatra
33. ,, Asokkumar Ray
34. ,, Jyotirmay Ghoshal
35. ,, Shyama Mukherjee
36. ,, Shibabrata Sur
37. ,, Debaprasad Ghosh
38. ,, Tarunchandra De

Passed

39. ,, Basudeb Das '25
40. ,, Kshetra Mohan Das '26
41. ,, Dhirendra Nath Sen Gupta '27
42. ,, Prafulla Chandra Sur '29
43. ,, Mohit Kumar Mazumdar '30
44. ,, Sudhir Kumar Dutt '31

45. Sri Sushil Kumar Ghosh '32
46. ,, Satyendranath Dutta
47. ,, Akshoy Kumar Paul '33
48. ,, Sachchidananda Sen '34
49. ,, Himanshu Sekhar Sinha '34
50. ,, Biraj Mohan Ghosh '36
51. ,, Kshitish Chandra Ray '36
52. ,, Debesh Chandra Chakraborty'36
53. ,, Nirmal Chandra Sen '36
54. ,, Panchu Gopal Ghosh '37
55. ,, Jyotish Chandra Ghosh '37
56. ,, Sailesh Chandra Paul '38
57. ,, Anath Kumar Mondal '41
58. ,, Kalyan Kumar Dutta '42
59. ,, Ranjit Sinha Sarma '42
60. ,, Hirendra Narayan Sanyal '42
61. ,, Lakshmi Narayan Prosad '43
62. ,, Nitai Charan Ghose '43

Electrical Engineering (Communication)

First Class with Honours
(In order of merit)

1. Sri Sarojkumar Ghosh
2. ,, Bankimchandra Basak

First Class
(In order of merit)

3. Sri Nandadulal Bandyopadhyay
4. ,, Aseshkumar Datta
5. ,, Rathindramohan Chakrabarti

Mechanical Engineering :

First Class with Honours
(In order of merit)

1. Sri Ajit Kumar Bhattacharjya
2. ,, Madhusudan Bhattacharjya
3. ,, Achintyakumar Sengupta
4. ,, Satish Chandra Dey
5. ,, Chinmay Chaudhuri
6. ,, Sujit kumar Gupta
7. ,, Narendranath Sen
8. ,, Jibananda Dutta Chaudhury
9. ,, Sukhamay Ray

10. Sri Ajitkumar Pal
11. ,, Niranjan Gangopadhyay
12. ,, Swadesh Kumar Gupta
13. ,, Sudarsanchandra Das

First Class

(In order of merit)

14. Sri Ranajitkumar Ghosh
15. ,, Fakir Mohan Patnaik
16. ,, Asitkumar Gupta
17. ,, Hironmay Bhattacharjee
18. ,, Nanigopal Sengupta
19. ,, Bijoy Kumar Chatterjee
,, Chandra Kanta Medhi
21. ,, Santiranjan Datta
22. ,, Muhammed Ghaznavi
23. ,, Satyendranath Bandopadhyay
24. ,, Roshan Lal
25. ,, Prem Chand Goyal
26. ,, Saritkumar Majumdar
27. ,, Kanya Lal Bakshi
28. ,, Gopinath Datta
29. ,, Nirmalkumar Mandal
,, Rabindranath Bhattacharyya
31. ,, Ratneschandra Ray
32. ,, Binaykumar Adak
33. ,, Paritosh Banerjee
34. ,, Sunilkumar Das
35. ,, Ajit Kumar Rudra
36. ,, Pradipkumar Sen
37. ,, Barunkumar Ghosh
38. ,, Ajaykumar Chattopadhyay
39. ,, Gokulchandra Chattopadhyay
40. ,, Samirkumar Sinha
41. ,, Pranab Kumar Das
42. ,, Abanikumar Sengupta
43. ,, Ramesh Pd. Thakur
,, Arvind Narayan Bhalerao
45. ,, Nikhil Nath Ray
46. ,, Tapaskumar Bir
47. ,, Nihar Kanti Barua
48. ,, Gobindamohan Bhattacharyya
49. ,, Supriyaumar Basu

50. Sri Sarojindu Bikash Chakrabarty
51. ,, Manaskumar Maitra
52. ,, Bimalendu Adak
53. ,, Sudhindranath Pramanik
54. ,, Bimalkumar Mallik
55. ,, Hari Pal Singh
56. ,, Tapan Kumar Bose
57. ,, Ramesh Chandra Sood
58. ,, Harbans Singh
59. ,, Sangha Priya Chowdhury
60. ,, Amalchandra Chakrabarti
61. ,, Manjugopal Bhattacharyya
62. ,, Pritikumar Basu
63. ,, Krishnaprasanna Majumdar
64. ,, Pranabkumar Mahalanabis
65. ,, Bikash Aikat
66. ,, Jogendra Chandra Kar
67. ,, Uddharanprasad Datta
68. ,, Siddhartha Sen
69. ,, Santi Pada Gangopadhyaya
70. ,, Santiranjan Das
71. ,, Nibaran Chandra Saha
72. ,, Sureschandra Biswas
73. ,, Priyabrata Sen
74. ,, Prangobinda Deb
75. ,, Sujitkumar Das

Second Class

76. Sri Nirmaichandra Bandyopadhyay
77. ,, Dhrubendra Kr. De Chaudhuri
78. ,, Amarendra Palit
79. ,, Gautrm Chattopadhyay
80. ,, Arunkumar Kundu
81. ,, Bimanbihari Chattoraj
82. ,, Surya Kant Gupta
83. ,, Nirmalkumar Mukhopadhyay
84. ,, Bimalgopal Sasmal
85. ,, Snehansusekhar Mukhopadhyay
86. ,, Sasabindu Chaudhuri
87. ,, Khudi Ram Ghose
88. ,, K. Mallikarjun Prasad Rao
89. ,, Jawahar Lal Kapur
90. ,, Apurbakumar Ray

91. ,, Jyotirmay Bandyopadhyay
92. ,, Anilendu Bhattacharyya
93. ,, Pradyotkumar Simlai
94. ,, Debangsu Bose
95. ,, Ajitranjan Datta
96. ,, Santoshkdmar De
97. ,, Arun Kumar Ganguli
98. ,, Birendrakumar Dasgupta

Passed

99. Sri Manindra Lal Datta '25
100. ,, Anukul Ch. Chakrabartty '25
101. ,, Subodh Chandra Ghosh '31
102. ,, Prafulla Kr.Mukhopadhyaya '27
103. ,, Sures Ch. Ghosh '35
104. ,, Basudeb Ghosh '35
105. ,, Madhab Chandra Nag '26
106. ,, Gopal Chandra Das Gupta '41
107. ,, Srinibash Das '42
108. ,, Anil Chandra Datta Gupta '43

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1. Pramatha Nath Bose Memorial Gold Medal	For standing First at the final Master of Science Examination in Engineering & Applied Geology.	— Sri Nidhir Chakravorty
2. T. N. Deb Memorial Silver Medal	For standing second at the final Master of Science Examination in Engineering & Applied Geology.	— Sri Manjit Singh Chopra
3. Jatindra Krishna Gold Medal	For standing First at the final Chemical Engineering Examination.	— Sri Ashis Kumar Sen Gupta
4. Asoke Memorial Gold Medal	For standing First at the final Electrical Engineering (Power Option) Examination.	— Sri Rabindranath Bhowal
5. Kiron Chandra Roy Memorial Silver Medal	For standing First at the final Electrical Engineering (Communication Option) Examination.	— Sri Sarojkumar Ghosh
6. Srish Chandra Bir Pratap Memorial Silver Medal	For standing First at the final Mechanical Engineering Examination.	— Ajit Kumar Bhattacharyya
7. Barindra Memorial Silver Medal	For standing First at the subject "Principles of Electrical Engineering II" at the Final Electrical Engineering Examination.	— Sri Sisirkumar Ghosal

8. Sudhakar Barman Smriti Silver Medal — For securing highest marks in the subject "Industrial Chemistry II" at the final Chemical Engineering Examination. — Sri Kalikinkar Bandyopadhyay

9. Pramatha Nath Bose Bronze Medal — For securing highest marks in the subject 'Engineering Geology' at the final Mechanical Engineering Examination. — Sri Gobindamohan Bhattacharyya

10. Benoy Sarkar Memorial Medal — For securing highest total marks among the successful candidates in the final Examination at Chemical, Electrical & Mechanical Engineering Examination. — Sri Ajit Kumar Bhattacharyya

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Students in different Classes

APPENDIX "J"

Faculty of Arts

	English			Bengali			Sanaskrit			Com. Lit.			History			Economics			Philosophy			International Affrs.		
	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
Degree	Nil	—	—	Nil	—	—	Nil	—	—	1	—	—	1	—	—	3	—	—	Nil	—	—	Nil	:	—	—
Post-graduate	15	—	—	19	—	—	3	—	—	7	—	—	16	—	—	14	—	—	Nil	—	—	14	:	—	—

Faculty of Science

	Mathematics			Chemistry			Physics			Geological Sciences		
	I	II	III	I	II	III	I	II	III	I	II	III
Degree	17	—	—	20	—	—	20	—	—	20	—	—
Post-graduate	21	—	—	Nil	—	—	Nil	—	—	13	—	—

Faculty of Engineering

	Mechanical				Electrical				Chemical				Civil				Engineering Geology	
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
Degree	90	99	93	101	61	81	76	41	66	67	60	60	30	—	—	—	—	—
Post-graduate	11	—	—	—	Nil	—	—	—	6	—	—	—	Nil	—	—	—	—	11

1957-1958

CONDOLENCE :

The University condoled the death of the following persons :

Dr. Jadunath Sarkar, the eminent scholar, who was a member of this University.

Sri Brojendra Kishore Roy Chowdhury of Gouripore, the only surviving Founder-Donor of the National Council of Education and of the Jadavpur University.

MEMBERS OF THE UNIVERSITY :

Sri Atul Chandra Roy was nominated to the University by the National Council of Education to fill up the vacancy caused by the death of Dr. Jadunath Sarkar for the period ending on 23rd December, 1956.

ADMINISTRATION :

Financial Adviser : Sri Tarak Nath Bhattacharya was appointed Financial Adviser of the University for a period of one year.

Director of Youth Welfare : Sri Himendu Biswas was appointed a whole-time Director of Youth Welfare.

Sri Asim Kumar Dutta, Dean of the College of Arts, was granted leave on deputation for two and half months to go to the United States of America, having been invited by the United States Government to study various phases of American education.

BUILDINGS :

The second floor of the University Library building was begun.

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 practically completed.

The construction of the Auditorium-cum-Recreation Hall was completed.

The construction of the building of the Jadavpur University Post and Telegraph Office was completed and Post Office shifted to the new building in December, 1956.

DONATIONS :

During the period under report the following donations were received :

The students of the 4th year engineering classes of the sessison 1956-57 and Sri Sourindra Mohan Banerjee, father of Sri Arun Kumar Banerjee, donated the sum of Rs. 1,000/- each for instituting a medal in memory of Sri Arun Kumar Bandopadhay a student of the 4th year Electrical Engineering Class to be awarded to the student securing the second highest aggregate marks combining all the different courses of the Bachelor of Engineering Examination.

Sri Kali Charan Nath of the Workshop of the University donated the sum of Rs. 501/- for the institution of a medal in memory of his mother

Sm. Ganeshjanani Debi to be awarded in every alternate year to the student who secures the highest marks in the papers A. C. and D. C. Machines at the Bachelor of Engineering Examination.

DONATIONS (Continued) :

Sm. Kumudini Seal donated the sum of Rs. 10,000/- for the construction of a Gymnasium.

Messrs. Volkart Brothers donated the sum of Rs. 35,000/- for research in Fermentation Technology.

TEACHERS :

There were 212 (including 9 part-time) teachers on the staff of the University of whom 205 were men and 7 were women. There were 95 teachers in the Faculty of Engineering, 61 in the Faculty of Science and 56 in the Faculty of Arts.

The distribution among the different cadres and departments is given in Appendix "A".

Dr. Satish Chandra Bhattacharya was reappointed Professor-in-charge of the Department of Mechanical Engineering and Chairman of the Faculty of Engineering & technology for the session 1957-58.

Sri Karunamoy Ray was appointed Professor-in-charge of the Civil Engineering Department.

Dr. Sibsunder Deb, Dr.-es-Sc. (Paris), F.N.I. was appointed Professor and Head of the Department of Geological Sciences.

Dr. Sadananda Bhaduri, M.A., Ph. D. was appointed Professor and Head of the Department of Sanskrit.

Sri Amartya Kumar Sen, Professor and Head of the Department of Economics resigned having been elected a Fellow of Trinity College, Cambridge.

Sri Panchanan Chakraburtty, M. A. was appointed Professor and Head of the Department of Economics.

Sri Dhirendra Kumar Deb, M.S., A.M.E.E. was appointed Professor in the Department of Electrical Engineering.

Sri Nirendra Nath Chatterjee, B. Sc., B.M.E., M.M..E., A.M.I.E. was appointed a Professor in the Department of Mechanical Engineering.

Dr. Roderich Marshal was appointed for one year Guest Professor through the United States Education Foundation, in the Department of Comparative Literature.

Prof. J. G. Holm was appointed for one year Guest Professor under the Technical Cooperation Mission Scheme, in the Department of Electrical Engineering.

The following teachers were granted study leave or extension thereof :

ELECTRICAL ENGINEERING :

Sri Nitish Narayan Roy, Lecturer, was granted study leave for two years from July, 1957 to avail of the scholarship granted by the Government

of India for higher studies in Illumination Engineering or Electrical Machine Design in West Germany.

CHEMICAL ENGINEERING :

Dr. Bimalendu Ghose, Professor, was granted study leave for two years to avail of a post-doctorate fellowship in Canada to work on Chemical Engineering.

Sri Aditya Prosad Sinha, Lecturer, was granted leave on deputation having been selected by the Ministry of Scientific Research and Cultural Affairs for a scholarship offered by the Government of U.S.S.R. for post-graduate study and research in Chemical Engineering at the University of Moscow.

PHYSICS :

Dr. Shyamadas Chatterjee, Professor and Head of the Department, was granted four months' leave on deputation to participate in research programme at the Davy Faraday Laboratory of the Royal Institute of London.

Sri Samarendra Nath Sen, Reader, was granted leave for one year from August, 1957 to go on deputation as Visiting Lecturer at the College of Physics of the Pennsylvania State University.

The Senior Lecturers and Assistant Professors in the Faculties of Arts and Science were given the designation of Readers and placed in the newly adopted Reader's grade.

VISITING LECTURERS AND EXTENSION LECTURERS :

The following were appointed Visiting Lecturers for the session 1957-58 :

	Name	No. of Lectures	Subject
1.	Dr. M. Dutt Superintending Engineer, State Electricity Board.	10	Hydro-electricity Supply
2.	Sri S. Dutta Chief Engineer, Escorts Ltd.	50	High Voltage Technique
3.	Sri A. N. Sen Gupta Calcutta Electric Supply Corporation.	10	Steam Power Generation
4.	Sri R. B. Rao Technical Manager, Britania Biscuit Co. Ltd.	10	Bakery Technology
5.	Dr. Supriya Roy, M. Sc., F. N. I.	whole session	Economic Geology
6.	Dr. S. K. Banerjee, D. Sc. F. N. I.		Exploration Geophysics
7.	Sri V. R. Khedkar Former Director Indian Bureau of mines	35	Mining Methods and Geological Prospecting
8.	Sri P. N. Mukherjee, M.Sc. (London) D.I.C. Former Palaentologist, Geological Survey of India	30	Vertibrate Palaentology

The following extension lectures were given during the year under report :

	Name	Lectures on
1.	Sri Hemendra Prosad Ghose	Renaissance in 19th century Bengal
2.	Dr. Buechner Professor of Experimental Physics	High Voltage Accelerators
3.	Mr. Edmund Blunden English poet & writer	English poetry—a retrospect
4.	Mr. Roy L. Milton United States	India in the American Press
5.	Dr. R. C. Mazumdar	Bengal and the Indian National Movement
6.	Dr. Geiling Messrs. Siemens-Schuckert	Electric Cables
7.	Mr. J. C. Jones Loughborough College, England	Technological education and training in England and Wales

RESEARCH :

Research work on different subjects was carried on during the year under report in the different Departments of the University. A list of publications is given in the Appendix "B". Research degrees were instituted in the Faculty of Engineering.

COURSES OF STUDY :

The syllabi of the degree courses in Civil Engineering and Tele-Communication Engineering were drawn up and adopted. The syllabi of the post-graduate courses in Arts were revised and modified.

The University took steps towards systematising the tutorial system. It was made obligatory on students to complete their tutorial and class-work obtaining at least 40% marks on the average in order to become eligible to sit for University examinations.

The examination Rules were revised and appearance at viva voce was made compulsory for examinees of the Master of Arts Examination.

The University instituted the following research degrees :

Doctor of Engineering (D. Engg.)
Doctor of Philosophy [Ph. D. (Engg.)]

During the year under report the following number of candidates were registered for the Doctorate degree in the different subjects :

Department		No. Registered
1. Physics	—	5
2. Organic Chemistry	—	11
3. Inorganic Chemistry	—	4
4. Physical Chemistry	—	6
5. Mathematics	—	2
6. Geological Sciences	—	2
7. Sanskrit	—	2
8. History	—	2
9. International Affairs	—	1
10. Philosophy	—	—

All the above candidates were registered for Ph. D. degree.

The degrees of Doctor of Philosophy in Engineering Ph. D. (Engg.) and of Doctor of Engineering (D. Engg.) were instituted in the Faculty of Engineering and the rules for the award of such degrees were adopted.

ADMISSION :

A large number of applications were received for admission into the different courses of study at this University as shown in the following table :

Course.	No. of Applicants.	No. of Students Admitted.
PREPARATORY :		
Science.	192	84
Arts.	42	30
DEGREE :		
Arts.	32	17
Science.	282	78
Engineering.	4,634	370
POST-GRADUATE :		
Arts.	329	158
Science.	237	42
Engineering.	Nil	Nil

Subject-wise break up is given in Appendix "C".

RECOGNITION :

The University recognised the following examinations of other Universities or Examining Authorities as equivalent to its own or other corresponding examinations :

EXAMINATION.	EQUIVALENT TO
1. Matriculation Examination of London University.	Intermediate in Arts of Indian Universities.
2. 2nd (Final) year examination of preparatory College Courses in Arts, Bangkok.	Intermediate in Arts of Indian Universities.
3. Higher College Certificate Examination, Ceylon.	School Final of Secondary Board of Education, West Bengal.
4. Ceylon Government Senior School Certificate Examination with credit in 4 subjects.	Ditto.

The University adopted the principle of recognising on reciprocal basis the degrees of other Indian Universities corresponding to the degrees of this University.

The University decided to recognise all school leaving examinations at the secondary or higher secondary stage held by the National Council of Education, Bengal, any Indian University or any statutory Board of Secondary Education for purpose of admission to Preparatory Courses.

The London University recognised as equivalent to its degrees the degrees of the University and those conferred by the National Council of Education, Bengal, on the graduates of the College of Engineering & Technology between 1944 and 1955.

EXAMINATION :

Post-graduate : 14 students appeared at the Master of Engineering Examination of whom 6 passed—2 in Chemical Engineering, both having been placed in the 1st class, and 4 in Mechanical Engineering, 2 having been placed in the First Class and 2 in the Second. 10 Students appeared at the final Examination in Engineering and Applied Geology of whom 8 passed, 6 having been placed in the First Class and 2 in the Second.

Following was the result of the Bachelor of Engineering final and the final Supplementary Examination :

	Annual					Supplementary				
		Passed					Passed			
Course	Appeared	Hons	1st Class	2nd Class	Total	Appeared	1st Class	2nd Class	Total	Grand total of pass
Mechanical	102	Nil	50	7	57	45	23	17	40	97
Elect. power	36	2	24	1	28	12	5	4	9	37
Communication	4	1	Nil	Nil						
Chemical	50	Nil	11	15	26	24	3	17	20	46

At the Preparatory Examination 20 students appeared in Arts and 80 in Science of whom 27 passed in Arts and 71 in Science.

The names of the students who have passed the different degree Examinations are given in Appendix "D". The award of medals is given in Appendix "E".

STUDENTS ON ROLL

There were 1,737 students on the rolls of the University in the session 1957-58 of whom 1,572 were boys and 165 girls. The distribution among the Faculties are as follows.

	Preparatory Boys - Girls	Degree Boys - Girls	Post-graduate Boys - Girls	Total
Arts	10 — 20	15 — 12	131 — 114	302
Science	84 — Nil	133 — 9	72 — 4	302
Engineering	—	1,127 — 6	Nil — Nil	1,133

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

There were 6 foreign students in the University of whom 4 were in Engineering and 2 in Arts. The foreign students in the Engineering degree courses, all belonging to Nepal, were admitted as Cultural Scholars under the Colombo Plan. The two students in Arts belong to Ceylon.

SPORTS :

The University participated in the Inter-University Foot-ball Tournament, North Zone, for the first time and lost to Allahabad University. At the Inter-University Cricket Tournament, North Zone, the University team lost to Agra University in the Quarter Final. At the Inter-University Regatta the University team won the Sculling Championship for the second year in succession. At the Inter-University Swimming Competition the University came to occupy the third position in order of merit. The University also participated in the Inter-University Hockey Tournament, North Zone, Inter-University Volley Ball Tournament and in the Inter-University Tennis Tournament, North Zone, and lost in them all in the first round. The University also participated in the Inter-University Athletics but did not win any place.

The students of the University were very active in the field of sports and played in all games, including exhibition matches, with such prominent local teams as those of Mohan Bagan, East Bengal and Kalighat Clubs and acquitted themselves creditably. The University students also played exhibition matches with those of the Calcutta University, Allahabad University and Visva-Bharati University. During the year under report a running trophy was started to perpetuate the memory of Sri Tarun Sen, a final year Mechanical Engineering student, who died prematurely after passing the final examination.

NATIONAL CADET CORPS :

During the year under report there were 280 cadets in the Units attached to the University. The Signals and Engineers Units had 120 cadets each, and the Naval Unit had 20 cadets. The newly started Air Squadron of 80 cadets had in it some 20 cadets of the University. The Cadets of the University were unable to participate in the Combined Social Service Camp due to the unsuitable time of the camp. The Annual Camp of the Engineers Unit was held at Allahabad, of the Signals Unit at Namkum (**Ranchi**), of the Naval Unit at Vizagapattam and of the Air Squadron at **Jodhpur** during October, 1957.

YOUTH FESTIVAL :

The University sent a Contingent of 29 students to participate in the 4th Inter-University Youth Festival. Of the 6 items participated in (Arts & Crafts, Instrumental Music, Hindi Elocution, Symposium, Group Song and Drama) certificate of credit was obtained in 4. The drama "Hishab Milate" was written by Dr. M. M. Goswami of the Department of Bengali of the University. The Group Song was a folk song of East Bengal boatmen.

ANNUAL EXHIBITION :

An industrial and technological exhibition was held on the premises of the University from 23rd December 1957 to 1st January 1958. The exhibition was formally opened by Sri Bhupati Mazumder, Minister-in-Charge, Commerce & Industry, Government of West Bengal. The exhibition consisted mainly of models, some of which were working ones, made by the students specially for the exhibition. It also included a demonstration of Television set as well as an exhibition of film cum poster about "Atom for Peace." The exhibition was visited by about 27,000 persons.

LIBRARY :

The number of books in the Library increased from 18,077 to 32,923 volumes and the bound periodicals from 5,498 to 5,848.

The Library issued altogether 90,000 volumes during the period under report.

The total staff of 9 in the Library consisted of 3 professional staff, 3 clerks, 2 student assistants (Part-time) and one duftry.

Book grants amounting to Rs. 75,000—were received from the University Grants Commission, Government of West Bengal and the Ministry of Relief Rehabilitation. The sum of Rs. 99,389/-—was spent out of these grants and out of the unspent balance of the previous year's grant upto 31st March, 1958 for the purchase of books and periodicals.

The following book donations were received :

1.	Sri Uday Kumar Das	12,000 volumes
2.	Sri Madhabendra Mitra	427 ,,
3.	Asia Foundation	355 ,,
4.	Sri Sourindra Nath Datta	300 ,,
5.	Government of Assam	174 ,,
6.	Sri Arindam Datta	114 ,,

7.	Rotary Club of Hartford Inc	96	,,
8.	Sri D. K. Biswas	95	,,
9.	British Information Service	92	,,
10.	Lok Sabha Secretariat	62	,,
11.	The British Council	54	,,
12.	United States Education Foundation in India	54	,,

OFFICE & OTHER STAFF :

The University had during the period a staff of 142 in the Office, Laboratories and Workshop. The darwans, malis, bearers and sweepers numbered 130. The different categories of staff were as follows :

OFFICE STAFF :	
Head Assistant	1
Store-keeper	1
Accountant	1
Cashier	1
Stenographer	1
Stenotypist	2
Senior Assistants	6
Junior Assistants	18
Typists	10
Supervisors	3
LABORATORY STAFF :	
Laboratory Assistants	9
Technical Staff	6
WORKSHOP STAFF :	
Mistry Instructor	1
Mistry "A" Grade	16
Mistry "B" Grade	31
Helper	35

SUBORDINATE STAFF :

Darwans	...	23
Malis	...	20
Bearers	...	71
Sweepers	...	16

Sri Hemendra Nath Dutta on the Accounts Staff of the University was deputed to undergo training in "In-Service Training Course in Educational Statistics" from 7th April to 2nd May, 1958 in New Delhi.

Sri Pashupati Biswas. Glass Blower in the Department of Physics, was deputed to undergo training in "Advanced Course in Scientific Glass Blowing" organised by the UNESCO from 4th November to 13th December, 1957.

CONVOCATION :

The Annual Convocation was held on 24th December, 1957. Dr. Zakir Hussain, the well-known educationist and Governor of Bihar, delivered the Convocation Address. Sri Jawaharlal Nehru, Prime Minister, also addressed the Convocation.

Degrees conferred :

Master of Science in Engineering & Applied Geology	...	8
Bachelor of Chemical Engineering	...	46
Bachelor of Electrical Engineering	...	37
Bachelor of Mechanical Engineering	...	97

FINANCES :

A. The following non-recurring grants were received by the University during the year 1957-58 :

1. UNIVERSITY GRANTS COMMISSION :

(a)	For Equipment for development of research in Physics & Chemistry	...	Rs. 30,000/-
(b)	Books for Civil Engineering Course	...	Rs. 16,667/-
(c)	For additional accommodation for the existing degree courses in Engineering	...	Rs. 1,50,000/-
(d)	For Building Construction for Civil Engineering Degree Course	...	Rs. 1,00,000/-
(e)	For Equipment for expansion of the training capacity of the existing degree courses	...	Rs. 2,19,832/-
(f)	For Building Construction for the expansion of the training capacity of the existing Degree Courses	...	Rs. 1,12,500/-
(g)	Scheme of Temperature & Humidity control in the Analytical Laboratory	...	Rs. 17,510/-
(h)	Books on Technical & Scientific subjects	...	Rs. 10,000/-
(i)	Construction of Library & Reading Room	...	Rs. 1,00,300/-
(j)	Books on Humanities	...	Rs. 30,000/-
			Rs. 7,86,809/-

II. GOVERNMENT OF INDIA :

(a)	Equipment for Fundamental Research to Individual Workers	...	Rs. 24,250/-
(b)	Text Books for the Arts & Science Courses	...	Rs. 10,000/-

III. GOVERNMENT OF WEST BENGAL :

(a)	Equipment for development of Research in Physics & Chemistry	...	Rs. 15,000/-
		C.O.	Rs. 8,36,059/-

		B. F. Rs.	8,36,059/-
(b)	Books for Civil Engineering	... Rs.	8,333/-
(c)	For Building of the College of Arts & Science	... Rs.	3,10,000/-
(d)	For Equipment for the College of Arts & Science	... Rs.	2,25,000/-
(e)	For furniture, fixtures & fans for the College of Arts & Science	... Rs.	1,20,200/-
(f)	Construction of Library & Reading Room	... Rs.	200/-
(g)	Building for N.C.C. Officers quarters	... Rs.	67,518/-
		Total : Rs.	15,67,310/-

A sum of Rs. 10,000/- was received during the year under report as donation from a private source for construction of a gymnasium hall.

The non-recurring expenditure under the year under report is as follows :

Building Construction	... Rs.	10,19,118/-
Equipment	... Rs.	4,35,507/-
Furniture & Fixtures	... Rs.	1,12,320/-
Books & Journals	... Rs.	81,078/-
Others	... Rs.	790/-
	Rs.	16,48,813/-

B. The following recurring grants were received by the University during the year under report :

I. UNIVERSITY GRANTS COMMISSION :

(a)	For maintenance of the existing degree courses in Engineering	... Rs.	5,98,000/-
(b)	For maintenance of the Civil Engineering Degree Course	... Rs.	2,915/-
(c)	For maintenance of expansion of the training capacity of the existing degree courses	... Rs.	43,000/-
(d)	Revision of Pay Scales of Teachers	... Rs.	6,379/-
(e)	Administrative expenses for setting up a Youth Welfare Board	... Rs.	3,830/-
(f)	Contribution to University Students Aid Fund	... Rs.	1,400//-
(g)	Scholarship to student on Humanities	... Rs.	800/-
		C. O. Rs.	6,56,324/-

II. GOVERNMENT OF INDIA :

		B. F.	Rs. 6,56,324/-
a)	Contribution to Inter-Varsity Youth Festival	—	Rs. 1,355/-

III. GOVERNMENT OF WEST BENGAL :

a)	Maintenance of University	—	Rs. 5,00,000/-
b)	Maintenance of Chemical Engineering Degree Course	—	Rs. 1,55,211/-
c)	Maintenance of College of Arts & Science	—	Rs. 1,00,000/
d)	Subvention for Dearness Allowance	—	Rs. 50,384/-
e)	Revision of Pay Scales of teachers	—	Rs. 1,600/-
f)	Administrative expenses for setting up of Youth Welfare Board	—	Rs. 3,830/-
		Total :	Rs. 14,68,704/

Besides the above, an ad-hoc grant of Rs. 65,299/- has been received from the Government of West Bengal during the year under report to wipe off the accumulated deficit (recurring Rs. 59,197/- & non-recurring Rs. 6,102-) in respect of the Chemical Engineering Department for the year 1956-57.

The following is the overall position of the recurring income and expenditure of the various Departments of the University during the year under report :

Recurring Income	—	Rs. 20,09,975/-
Recurring Expenditure	—	Rs. 21,19,229/-

C. The recurring income from the research activities is as follows :

a)	Government of West Bengal	Rs. 14,400/-
b)	Government of India	Rs. 5,000/-
c)	Council of Scientific & Industrial Research	Rs. 50,444/-
d)	Other Sources	Rs. 10,385/-
		Rs. 80,000/-

The recurring expenditure for the year was Rs. 1,30,085/-.

D. The year 1957-58 opened with a deficit balance of 13,36,810/- of which Rs. 5,37.166/- was on the Revenue account and Rs. 7,99,644/- on the Capital account. The Government of West Bengal paid, during the year under report, a grant of Rs. 59,197/- and Rs. 6,102-/ for meeting the uncovered deficit of 1956-57 under Revenue & Capital accounts respectively in respect of the Chemical Engineering Department only. During the year under report the sum of Rs. 1,55,195/- and Rs. 55,913/- was added to the uncovered

deficit towards Revenue & Capital accounts respectively in respect of all the courses of the University. The year 1957-58, therefore, closed with a deficit balance of Rs. 14,82,619/- of which 6,33,164/- was on the Revenue account and Rs. 8,49,455/- on the Capital account.

BODIES OF THE UNIVERSITY :

During the year under report the different Faculties of the University were constituted. Names of the members are given in Appendix "G".

The following changes in the personnel of the different Bodies of the University occurred :

ACADEMIC COUNCIL :

By virtue of their appointment to the University the following Professors became members :

1. Prof. Karunamoy Ray
2. Prof. Prafulla Kumar Guha
3. Dr. Sadananda Bhaduri
4. Prof. Gopinath Bhattacharyya
5. Dr. Prithwish Chandra Chakraverty

The following vacancies continued as no appointment was made to the posts and no members were co-opted during the year under report :

1. Controller of Examinations
2. University Librarian
3. Faculty of Arts : 2 members
4. Faculty of Science : 2 members

Dr. Jatindra Nath Basu ceased to be a member, due to his retirement from service.

ADMINISTRATIVE COUNCIL :

Dr. Parimal Roy ceased to be a member due to retirement from the post of Director of Public Instruction, West Bengal and Dr. D. M. Sen became a member in his place.

The following vacancies continued as no appointment was made to the posts during the year under report :

1. Controller of Examinations
2. University Librarian.

The different Bodies of the University met as follows

	Meetings
1. University ...	8
2. Academic Council	6
3. Administrative Council	6

MISCELLANEOUS :

The University had during this period 500 students resident in the Hostel.

The total number of working days was 206.

Among the many visitors to the University during the year under report the names of the following distinguished persons may be mentioned :

1. Karl Freudenberg from Heidelberg
2. Prop. R. Kuhn from Heidelberg
3. Sir Ronald Nesbitt-Hawes
4. Dr. G. C. Cheshire
5. Dr. Karu Ya Sutt—Dean of the Faculty of Law, Tokyo University
6. Mrs. Koroyama from Japan
7. Mr. J. H. Foster, Secretary, Association of Universities in the British Commonwealth.

APPEEDIX "A"

Teachers of different cadres and Departments

Faculty of Arts

	English	Bengali	Sanskrit	Com. Lit.	History	Economics	Philosophy	Inter. Affairs
Professor	1—1*	1	1	1	1	1	1	1—1*
Reader	Nil	1	Nil	1	1	1	1	Nil
Lecturer	7—1*	4—1*	3	3—1*	5	5	1	6—1*

Faculty of Science

	Physics	Chemistry	Mathematics	Geological Science
Professor ...	1	3	1	1
Reader ...	4	3	4	1
Lecturer ...	11	12	10—1*	8—1*

Faculty of Engineering & Technology

	Mechanical	Electrical	Chemical	Civil	Tele-Communication	Humanities
Professor-in-charge	1	1	1	1	1	—
Professor ...	5	2	2	Nil	Nil	—
Assistant Professor	8	6	6	2	Nil	—
Lecturer ...	27	9	11	9	1	1—1*

*Indicates Part-time staff

APPENDIX "B"

RESEARCH AND PUBLICATIONS

1957-58

DEPARTMENT OF PHYSICS :

Publications :

1. Study of the influence of magnetic storms on the intensity of Cosmic Rays—by S. D. Chatterjee and G. Ramaswamy, Can. Jour. Phys. 1958, Vol. 36 of 635.
2. Cosmic-ray Intensity Variations at Sea-level during magnetic-storm periods—by G. Ramaswami and S. D. Chatterjee, Can. J. Phys. **36**, 635, 1958.
3. Induced Conductivity at the surface of contact between metals—by S. D. Chatterjee and S. K. Sen, Phil. Mag. **32**, 839, 1958
4. The Bakreswar thermal springs—by Dipankar Chatterjee and S. D. Chatterjee, Sci. and Cult. **23**, 336, 1958.
5. On the therapeutic values of Radioactive thermal springs—by G. Schynoll and S. D. Chatterjee, Sci. and Cult. **23**, 591, 1958.
6. Bound States in Quantum Electrodynamics—T. C. Roy, in press. (Advanced note in Science Congress Abstract) (1958).
7. On the phase lag problem of the Cepheid variables—T. C. Roy, Proc. Theo. Phys. (Japan) (1958).

ORGANIC CHEMISTRY DEPARTMENT :

1. Synthesis of 2·5 Methyldecalin—46—Dione, 23, July, p. 45, 1957 (Science and Culture)—by B. K. Bhattacharyya.
2. Synthesis of 2 Methyldecalin—1, 6—Dione, Science and Culture, **23**, July, p. 45, 1957—by B. K. Bhattacharyya.

DEPARTMENT OF MATHEMATICS :

1. Wave resistance of ship moving in a circular path, Proc. N. I. S. India, Vol. 24A, 1958.—By R. N. Bhattacharjee.
2. Disturbance produced in an elastic half space by an impulsive twisting movement applied to an attached circular disc.—Zeitschrft fur Anglnandde Mathematik and Mechanik—Vol. 38, No. 1/2, Jan. Feb. 1958—by M. Mitra.
3. On the flow of viscous liquid through a tube of elliptic Section under exponential pressure gradient—Bull. Cal. Math. Soc. Vol. 49, No. 3, Sept. (1957)—by S. K. Khamrui.
4. On the flow of viscous liquid through a tube of elliptic section under the influence of periodic press gradient. Bull. Cal. Math. Soc. Vol. 49, No. 2, June (1957)—by S. K. Khamrui.
5. On the slow steady motion of an infinite viscous liquid due to the rotation of cylinder—Bull. Cal. Math. Soc. Vol. 49, No. 2, June (1957)—by S. K. Khamrui.

DEPARTMENT OF GEOLOGICAL SCIENCES :

1. "Aero - Photographs and the study of Geography"—Published in "Observer", Vol. IV 1958—P. N. Hore.
2. Ore-microscopic study of the Cassiterite occuring in Paharsing Area. Ranchi—Proc. Sc. Cong. Calcutta. 1957—by S. Deb.
3. Exsolution Intergrowth of Chromite and Ilmenite from Nausahi, Keonjhar District, Orissa, Science & Culture, Vol. 23, pp. 49-50, 1957. by Kanailal Chakravorty.
4. Structural control of chromite Mineralisation in the Ultrabasic Rocks of Nausahi, Keonjhar District, Orissa, Science & Culture, Vol. 23, pp. 252-253, 1957—by Kanailal Chakravorty.
5. Study of the Magnetite-Martite-Goethite relation in the iron ores of Badampahar, Mayurbhanj, with a note on the primary nature of the ore.—Proc. 44th Ind. Sc. Cong. p. 176. 1957—by Kanailal Chakravorty.
6. Mineragraphic study of Manganese ores of Tirodi, Balaghat Dist., Madhya Pradesh, India. Proc. N. I. S. Ind. Vol. 24A. January, 1958.—Supriya Roy.
7. Mineragraphic studies of some sulphide mineral bearing veins near the tri-junction of Bankura, Midnapur and Purnea Dists., Proc. 45th Indian Science Congress, 1958, Part, III, Abstracts p. 176.—by P. C. Chakravorty.
8. Zonal metamophism near tri-junction of Bankura, Midnapur and Purulia Dists. West Bengal—Quart. Jour. of Feological Mining and Metallurgical Soc. of India. Sept. '57—in press, by P. C. Chakravorty.
9. Sheared Ilmenite in Vein—Quartz.—in press—P. C. Chakravorty.
10. Mineragraphic studies of Tungsten-mineral bearing veins around Chaendapathar, Bankura Dist.West Bengal—in press—by P.C.Chakravorty.
11. Chromite ores associated with the Ultrabasic Rocks of Nausahi, Keonjhar District, Orissa, India—Their Mineragraphy and Genesis—Proc. N. I. S. Ind. Vol. 24A. January, 1958—Kanailal Chakravorty.
12. Occurance of Vermiculite in the neighbourhood of Tatisilwai, Ranchi Dist., its properties and economic utilisation. Proc. Ind. Sc. Cong. Madras 1958.
13. 'Ore-Microscopic Studies of Ilmenite from Sambalpur Dist, Orissa'—Science & Culture—Vol. 23, pp. 109, August, 1957.
14. 'A Note on Hematite—Molybdemite mineralisation in Limestone at hinkpani, Singhbhum Dist.'—Proc. Ind. Sci. Cong. January, 1958.

DEPARTMENT OF ENGLISH :

Publications :

BOOKS—by P. K. Guha.

1. Tragic Relief.
2. On Two Problems in Shakespeare Hamlet and Troilus & Cresside.

Publications :

PAPER—By P. K. Guha

1. The Inner Havoc in Shakespeares Tragic Hero—Calcutta Review
2. Lago's Motive—Surendranath College Magazine
3. Shakespeare and Shaw— Do
4. The Kings in Shakespeare— Do
5. Shakespeare's Comic View—Bande Mataram
6. Action in Drama—Bulletin of All India English Teachers' Association
7. Love in Shakespeare—
8. Wit in Literature—Arani (Jadavpur University)
9. Modern Problem Plays—Dacca University Journal
10. Joan of Arc in Shaw's St. Joan—Surendranath College Magazine
11. The Trend of Modern English Drama— Do
12. Present day modes of the use of English—Calcutta Review
13. The teachery of English literature in India—The Statesman
14. The Problem of English in Indian Education—Hindusthan Standard

DEPARTMENT OF SANSKRIT :

Publications :

1. Hariram Tarkalamkara's Jnanalaksana-Vicara-rahasyam—Calcutta Sanskrit College Research series Texts No. 2, 1958—By G. M. Bhattacharyya
2. The Nyaya Concept of Existence—Indian Philosophical Congress, Srinagar —By G. M. Bhattacharyya
3. Sekalear Bichar Riti—Bhabmukha—By G. M. Bhattacharyya
4. Samaskrita Shikshar Bhabisyat—Udbodhan—By R. R. Mukherjee
5. Suryagrahan—Siuri Vidyasagar College Patrika—By R. R. Mukherjee
6. Rabindrakavya Adhunikata—Krishnachandra College Hirak-Jayanti Sankhya—By R. R. Mukherjee
7. Sudraer Beda O Bedanta Adhikar—Debajan—By S. Goswami
8. Gacher Ki Pran Achea ?—Swastika—By S. Goswami
9. Satya Katha Bali Kena ?— Do —By S. Goswami
10. Advaitavada in Every-day Life—Devajana—By S. Goswami
11. The Viewpoint of Advaitavada—Udbodhana—By S. Goswami
12. Super-humanness of the Vedas—Rammohan Roy Hostel Magazine—By S. Goswami
13. Character of Bhisma—Swastika—By S. Goswami
14. Character of Durjodhana—Santana—By S. Goswami

DEPARTMENT OF HISTORY :

Publications :

1. Economic Life of Northern India from A.D. 300 - A.D. 550—Government Press Calcutta, July, 1957—By B. K. Majumdar

2. Research Papers : (a) Gold content of the Gupta Coins—Published By B. K. Majumdar, Journal of the Numismatic Society of India 1957—Benaras Hindu University
2. Research Paper of B. K. Majumdar (b) Land-measurement in Ant. India—Pub. by Journal of the Economic and Social History of the Orient Leiden, Holland, 1957, Part I.

DEPARTMENT OF INTERNATIONAL AFFAIRS :

Publications :

1. "Sri Aurobindo and the Indian Freedom Movement"—Published in the Mother's Jayanti Volume, 1958—P. C. Chakravarty.
2. Some aspects of social change in Rural India and the role of the Community Development Programme—A Brochure published in 1957 in Royal Tropical Institute, Amstradam, Holland—By A. K. Dutta.
3. Portugal Versus India--Rights of passage--Economic Weekly, December, 14, 1957—Basanti Mitra.

APPENDIX "C"

COURSE	No. of Applicant	Number admitted Boys - Girls	Total on Roll
PREPARATORY :			
Arts	... 42	10 ... 20	30
Science	... 192	84 ... Nil	84
DEGREE :			
ARTS :			
English	... 3	1 ... 1	2
Bengali	... 2	Nil ... 2	2
Sanskrit	... Nil	Nil ... Nil	Nil
History	... 3	2 ... Nil	4
Economics	... 11	1 ... 2	9
International Affairs	... 7	2 ... 2	5
Philosophy	... 1	1 ... Nil	1
Comparative Literature	... 5	1 ... 2	4
SCIENCE :			
Physics	... 72	18 ... 2	37
Chemistry	... 46	16 ... 2	34
Mathematics	... 31	20 ... Nil	32
Geological Science	... 133	18 ... 2	37
ENGINEERING :			
Mechanical Engineering	... 1633	90 ... Nil	406
Electrical do	... 1091	90 ... Nil	299
Chemical do	... 484	60 ... Nil	252
Civil do	... 1194	90 ... Nil	138
Tele-Communication Engineering	... 232	37 ... 3	40**
POST-GRADUATE :			
ARTS :			
English	... 34	9 ... 11	35
Bengali	... 63	4 ... 17	40
Sanskrit	... 11	5 ... 4	12
History	... 66	16 ... 11	43
Economics	... 59	21 ... 7	42
International Affairs	... 59	17 ... 12	44
Philosophy	... 24	10 ... 5	15
Comparative Literature	... 13	5 ... 4	16
SCIENCE :			
Mathematics	... 194	30 ... 1	52
Geological Science	... 43	11 ... Nil	24

**two discontinued after September, 1957

APPENDIX "D"

FINAL POST-GRADUATE EXAMINATION

HELD IN 1957.

Chemical Engineering :

Serial Nos. Names

First Class

(In order of merit)

1. Sri Birendranath Srimani
2. ,, Kumudeswar Das

Mechanical Engineering :

First Class

(In order of merit)

1. Sri Nirendra Chattopadhyay
2. ,, Haridas Banerjee

Second Class

3. ,, Amulya Prasad Ghosh
4. ,, Bibhuti Bhusan Mazumdar

Engineering & Applied Geology :

First Class

(In order of merit)

1. Sri Nirmaladitya Majumdar
2. ,, Sanjibchandra Sarkar
3. ,, Satyendranath Chakrabarti
4. ,, Arunkumar Bhattacharji
5. ,, Ajit Kumar Bhattacharji
6. ,, Nikhilranjan Guha

Second Class

7. ,, Sukomal Kumar Chanda
8. ,, Kshitindralal Roy

FINAL DEGREE EXAMINATION

Chemical Engineering

First Class

(In order of merit)

1. Sri Samarendra Kumar Biswas
2. ,, Nirmalkanti Roy
3. ,, Prasidh Narayan Tripathi
4. ,, Nabagopal Basak
5. ,, Sisirkumar De

6. Sri Arabinda Basu
7. ,, Manoj Kumar Bhattacharjee
8. ,, Satyanarayan Agarwal
9. ,, Arun Kumar Mitra
10. ,, Ajitkumar Saha
11. ,, Samarendranath Roy
12. ,, Jagdish Chandra Ghose
13. ,, Nitaichandra Mukhopadhyay
14. ,, Ramesh Chandra Jaitly

Second Class

15. ,, Subir Mukhopadhyay
16. ,, Pradyotkumar Gupta
17. ,, Sitansubimal Lodh
18. ,, Soumyendra Mohan Lahiri

Chemical Engineering (Contd.)

19. Sri Tarun Kumar Banerjee
20. ,, Sankhanath Mukhupadhyay
21. ,, Bhupati Charan Parh
22. ,, Kamalkumar Samauta
23. ,, Salilkumar Dasgupta
24. ,, Tapan Kumar Roy
25. ,, Premankur Gangopadhyay
26. ,, Pranab Kumar Sarkar
27. ,, Kshitiprasanna Ray
28. ,, Santi Ranjan Kundagrami
29. ,, P. S. Ananthanarayanan
30. ,, Bhabatosh Dasgupta
31. ,, Subodh Ch. Biswas
32. ,, Chiraranjan Podder
33. ,, C. I. Phillipose
34. ,, Ajitkumar Datta
35. ,, Tapan Kumar Basu
36. ,, Asokkumar Ray
37. ,, Prankumar Saha
38. ,, Manabendranath Bandyopadhyay
39. ,, Kalyan Bhaduri
40. ,, Arabinda Roy
41. ,, Tamojit Ghogh
42. ,, Sunil Sarkar
43. ,, Abhijit Mukhopadhyay
44. ,, Timirbaran Dasgupta

45. Sri Prasantakumar Mitra
46. ,, Prabhatkumar Mukhopadhyay

Electrical Engineering : (Power Option)

First Class with Honours

(In order of merit)

1. Sri Manoranjan Ghosh
2. Sk. Golam Gause

First Class

(In order of merit)

3. Sri Birendra Nath Ghosh
4. ,, Rampada Ray
5. ,, Bimal Chandra Mohanty
6. ,, Kulwant Singh
6. ,, Prabodhkumar Chakrabarti
8. ,, Triloki Nath Soni
9. ,, Nrityendranarayan Chaudhury
10. ,, Dipakkumar Basu
11. ,, Abhiti Bhusan Banerjee
12. ,, Birendra Kumar Patnaik
13. ,, Shashikant V. Joshi
14. ,, Asokkumar Sinha
15. ,, Prithwiraj Ray
16. ,, Saroj Kumar Ray
17. ,, Nageswar Singh
18. ,, Saroj Nath Ghose
19. ,, Sumer Chand Jain
20. ,, Jibankrishna Adhya
21. ,, P. K. Varughese
22. ,, B. V. Venkatraman
23. ,, Nitinkumar Basu
24. ,, Prithvi Paul Kapoor
25. ,, Rathin Kumar Bandyopadhyay
26. ,, Nilambar Mahalik
27. ,, Asokkumar Pal
28. ,, Jyotirmy Bandyopadhyay

Second Class

29. Sri Badri Man Singh Dangol
30. ,, Jaydev Ghosh
31. ,, Surja Nath Bastola
32. ,, Sisir Sen
33. ,, Praneshkumar Ray

Electrical Engineering (Communication Option)

First Class with Honours

(In order of merit)

1. Sri Bimalranjan Gangopadhyay

~~Mechanical Engineering :~~

First Class

(In order of merit)

2. ,, Pannalal Dasgupta
3. ,, Prabirkumar Mitra
4. ,, Arun Banerjee

Mechanical Engineering

First Class

(In order of merit)

1. ,, Bal Krishna Baluja
2. ,, Amarendra Das
3. ,, Nirmalendu Talukdar
4. ,, Biswaranjan Bandyopadhyay
5. ,, Arupkumar Guha
6. ,, Kalyankumar Ghosh
7 ,, Phalguni Sanyaltalapatra
8. ,, Indubikas Maiti
9. ,, Nilmani Kundu
10. ,, Naval Hardasmal Kripalani
11. ,, Anil Kumar Nag
12. ,, Syamalkumar Biswas
13. ,, Mrinalkanti Ray
14. ,, Subhankar Acharyya Datta
15. ,, Mrigen Bhadra
16. ,, Mohammed Wajid Husain Siddiqi
17. ,, Charandas Baral
18. ,, Mrinalkanti Bhattacharyya
19. ,, Subhas Chander Gandhi
20. ,, Tarunkumar Gupta
21. ,, Gaurisankar Das
22. ,, Asokkumar Biswas
23. ,, Dwijendralal Mukhopadhyay
24. ,, Raj Kumar Aggarwal
25. ,, Pranabkumar Rudra
26. ,, Braja Gopal Choudhury
27. ,, Bidhubhushan Raysarkar
28. ,, Daya Nidhi Modi
29. ,, Suryyakumar Basu

30. Sri Debataru Gangopadhay
31. ,, Conrad Ingram D'Souza
32. ,, Yashoda Nandan Misra
33. ,, Pathik Bandyopadhyay
34. ,, Anilkumar De
35. ,, Syamalkumar Choudhuri
36. ,, Sishutosh Sen Gupta
37. ,, Kripendrakumar Chakrabarti
38. ,, Arupkamal Choudhuri
39. ,, Anilkumar Datta
40. ,, Makhanlal Bhat
41. ,, Susil Kumar Sarkar
42. ,, Santosh Kumar Kanjilal
43. ,, Nilendranath Sarkar
44. ,, Santoshkumar Ray
45. ,, Jagabandhu Chakrabarti
46. ,, Shambhunath Mukhopadhyay
47. ,, Anilbaran Barui
48. ,, Harjit Singh
49. ,, Surendra Nath Ghosh
50. ,, Debiprasad Chakrabarti
51. ,, Surendra Raj Jaiswal
52. ,, Daya Krishen Wathoo
53. ,, Pranab Kumar Mukhopadhyay
54. ,, Biswanath Varma
55. ,, Parbati Charan Das
56. ,, Abhayapada Mukhopadhyay
57. ,, Santoshkumar Sinha
58. ,, Pankajkumar Mitra
59. ,, Prabhatkumar Datta
60. ,, Ramenduprakash Mukhopadhyay
61. ,, Raj Kumar Mukhopadhyay
62. ,, Jagesh Chandra Das
63. ,, Jyotiprasad Datta
64. ,, Nirendra Nath Chakrabarty
65. ,, Sibaprasad Ghosh
66. ,, Kamalesh Ganguly
67. ,, Nilmani Ghosh
68. ,, Hirendranath Mallik
69. ,, Nihar Ranjan Banerjee
70. ,, Monoranjan Chatterjee
71. ,, Satyanarayana Sarma Sista
72. ,, Shyama Charan Karmokar
73. ,, Tarakdas Goswami

Second Class

74. ,, Prasanta Kumar Banerjee
75. ,, Nabakumar Maitra
76. ,, Diptikumar Bhattacharyya
77. ,, Ranjit Ghosh
78. ,, Prem Prakash Shrestha
79. ,, Tilakchand Ray
80. ,, Nirmalendu Roy Choudhury
81. ,, Chandra Sekhar Bhowmic
82. ,, Saileschandra Bandyopadhyay
83. ,, Ajitkumar Sarkar
84. ,, Bimalendu Dasgupta
85. ,, Anil Kumar Das
86. ,, Sankarprasad Chaudhuri
87. ,, Samireswar Bhattacharyya
88. ,, Krishna Chandra
89. ,, V. Manohar Naidu
90. ,, Bireswar Ghosh
91. ,, Amalansu Dattagupta
92. ,, Dilipkumar Bhattacharyya
93. ,, Mukul Kumar Mukherjee
94. ,, Sailendranath Pain
95. ,, Sujitkumar Raybarman
96. ,, Sankarprasad Ghoshdastidar
97. ,, Amrit Kumar Bose

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APPENDIX—"E"

1. Herambanath Memorial Medal	— For standing First at the Mater's Degree Examination in Chemical Engineering	— Sri Birendranath Srimani
2. Raja Subodh Chandra Mallik Medal	— For standing First in First Class at the Mater's Degree Examination in Mechanical Engineering	— Sri Nirendra Nath Chattopadhyay
3. Pramatha Nath Bose Memorial Medal	— For standing First at the Master of Science Examination in Engineering & Applied Geology	— Sri Nirmaladitya Majumdar
4. T. N. Deb Memorial Medal	— For standing Second at the Master of Science Examination in Engineering & Applied Geology	— Sri Sanjibchandra Sarkar
5. Jatindra Krishna Medal	— For standing First at the Bachelor's Degree Examination in Chemical Engineering	— Sri Samarendra Kumar Biswas
6. Asoke Memorial Medal	— For standing First at the Bachelor's Degree Examination in Electrical Engineering (Power Option)	— Manoranjan Ghosh
7. Kiron Chandra Roy Memorial Medal	— For standing First at the Bachelor's Degree Examination in Electrical Engineering (Communication Option)	— Sri Bimalranjan Gangopadhyay
8. Srish Chandra Bir Pratap Memorial Medal	— For standing First at the Bachelor's Degree Examination in Mechanical Engineering	— Sri Bal Krishna Baluja
9. Barindra Memorial Medal	— For standing First in the subject "Principles of Electrical Engineering II" at the Bachelor's Degree Examination in Electrical Engineering	— Sri Birendra Nath Ghosh
10. Sudhakar Barman Smriti Medal	— For securing highest marks in the subject "Industrial Chemistry II" at the Bachelor's Degree Examination in Chemical Engineering	— Sri Jagdish Chandra Ghose
11. Pramatha Nath Bose Bronze Medal	— For securing highest marks in the subject "Engineering Geology" at the Bachelor's Degree Examination in Mechanical Engineering	— Sri Arupkamal Chaudhuri
12. K.P. Das Gupta Memorial Medal	— The best student of the College of Engineering & Technology, Bengal, in the subject of History (Modern World I)	— Sri Amarendra Das
13. Benoy Sarkar Memorial Gold Medal	— For securing the highest total marks among the successful candidates at the Bachelor's Degree Examination in Chemical, Electrical and Mechanical Engineering	— Sri Bal Krishna Baluja of Mechanical Engineering

14. Arun Kumar Bandopadhyay Memorial Medal	— For securing the Second highest total marks among the successful students at the Bachelor's Degree Examination in Chemical, Electrical and Mechanical Engineering	— Sri Bimalranjan Gangopadhyay of Electrical Engineering (Communication)
15. Alumni Association Medal	— The best all-round student among the graduates of the year.	— Sri Samarendra Kumar Biswas of Chemical Engineering
16. The Rector's Prize for the Best NCC Cadet of the Year		— Sri Rasendu Behari Putatunda

APPENDIX "F"

Students in different Classes

Faculty of Arts

	English			Bengali			Sanskrit			Com. Lit.			History			Economics			Philosophy			Inter. Affrs.		
	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III	I	II	III
Degree ...	2	Nil	—	2	Nil	—	Nil	Nil	—	3	1	—	2	2	—	3	5	1	1	Nil	—	4	1	—
Post-graduate ...	20	15	—	21	19	—	9	3	—	9	7	—	27	16	—	26	14	—	15	Nil	—	29	15	—

Faculty of Science

	Mathematics			Chemistry			Physics			Geological Sciences		
	I	II	III	I	II	III	I	II	III	I	II	III
Degree ...	20	12	—	19	17	—	20	17	—	20	17	—
Post-graduate ...	31	21	—	—	—	—	—	—	—	11	13	—

Faculty of Engineering

	Mechanical				Electrical				Chemical				Civil				Tele-Communication			
	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Degree ...	98	90	124	94	98	58	62	81	61	73	62	56	102	36	—	—	38	—	—	—
Post-graduate ...	Nil	—	—	—	Nil	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

APPENDIX "G"

BODIES OF UNIVERSITY.

FACULTY OF ENGINEERING & TECHNOLOGY

Dr. Satish Chandra Bhattacharyya—Head of the Mechanical Engineering Department and Chairman of the Faculty

HEADS OF THE INSTITUTIONS :

Dr. Triguna Sen—Principal, College of Engineering & Technology.

HEADS OF DEPARTMENTS :

1. Prof. Hem Chandra Guha—Electrical Engineering
2. Dr. Tuhin Kumar Roy—Chemical Engineering
3. Prof. Karunamoy Ray—Civil Engineering
4. Dr. Jnansaran Chatterjee—Tele-Communication

PROFESSORS :

1. Dr. Bimalendu Ghosh
2. Dr. Jatindra Nath Basu (upto February, 1958)
3. Sri Amiya Kumar Basu
4. Sri Gopal Chandra Sen
5. Sri Manmatha Nath Chakravorty
6. Dr. Aurobinda Nath Bose

TWO TEACHERS CO-OPTED FROM THE FACULTY :

1. Sri Dilip Kumar Dutta
2. Sri Jyotsna Kumar Choudhury

NOMINEES OF GOVERNMENT OF INDIA :

1. Sri Atul Chandra Roy
2. Sri Narendra Kumar Mitra

NOMINEES OF GOVERNMENT OF WEST BENGAL :

1. Sri G. P. Chatterjee
2. Sri D. M. Sen

FACULTY OF ARTS

Dr. Susil Kumar De, Head of the Department of Bengali and Chairman of the Faculty

HEADS OF INSTITUTIONS :

Sri Asim Kumar Datta—Dean of the College of Arts

HEADS OF DEPARTMENTS :

1. Sri Prafulla Kumar Guha—English
2. Sri Susobhan Chandra Sarkar—History
3. Sri Gopinath Bhattacharyya—Philosophy
4. Dr. Prithwish Chandra Chakraverty—International Affairs

5. Sri Buddadeva Bose—Comparative Literature
6. Sri Amartya Kumar Sen—Economics
7. Dr. Sadananda Bhaduri—Sanskrit

TWO TEACHERS CO-OPTED FROM THE FACULTY :

1. Sri Ajit Kumar Dutta
2. Sri Bimala Prasad Mukherjee

NOMINEES OF GOVERNMENT OF INDIA :

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

NOMINEES OF GOVERNMENT OF WEST BENGAL :

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

FACULTY OF SCIENCE

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

HEADS OF DEPARTMENTS :

1. Dr. Shyamadas Chatterjee—Physics
2. Dr. Shibsundar Deb—Geological Sciences

PROFESSORS :

1. Dr. Sachindra Nath Mukherjee—Physical Chemistry
2. Dr. Anil Kumar Mazumder—Inorganic Chemistry
3. Dr. Bidyut Kamal Bhattacharyya—Organic Chemistry

TWO TEACHERS CO-OPTED FROM THE FACULTY :

1. Sri Bamkim Chandra Mukherjee
2. Sri Dwibendra Nath Mukherjee

NOMINEES OF GOVERNMENT OF INDIA :

1. Dr. N. Dutta Mujumdar
2. Dr. S. K. Mitra

NOMINEES OF THE GOVERNMENT OF WEST BENGAL :

1. Sri Bhupati Mohan Sen
2. Dr. J. C. Sengupta

GUPTA & MITRA
Chartered Accountants.

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

WINDSOR HOUSE
P14, MISSION ROW EXTENSION
CALCUTTA

20th September, 1956

To

THE SECRETARY,
NATIONAL COUNCIL OF EDUCATION, BENGAL,
Jadavpur.

Dear Sir, *Re* : Audit 1955-56

In submitting herewith the audited Balance Sheet as at 31st March, 1956 together with Income & Expenditure Account for the year ended upon that date, we have to draw your attention to the following :—

1. Rs. 20,000/- has been added to B. K. Roy Chowdhury Endowment & Rs. 2,750/- to the Mymensingh Endowment for both of which credit has been taken in the Revenue Account but nothing has been realised for a long time. Calcutta Corporation grant of Rs. 55,000/- has been outstanding for three years and we feel steps should be taken to realise the amount.

2. The following items, if found irrecoverable, may be written off as soon as possible.

(a) Production Bill for Rs. 5,273-6-9. ...
(b) Messing Expenses for Hostels Rs. 7,844-2-3.
(c) University Bill Celebration Fund Rs. 175-0-0.

3. With earmarked funds spent away, various deposits used up, load taken from Provident & Other funds and Overdraft taken from Banks, the overall picture is a total deficit of above Rs. 19 lakhs which apparently has come out of the following accounts, and for this, Interest of Rs. 46,405-15-10 had to be paid during the year.

Earmarked & Other Earmarked Funds ...		Rs. 2,12,526-3-8
Less Securities		Rs. 94,273-13-0
		Rs. 1,18,252- 6-8
Balance of Capital Grants from Govt. of India & Govt. of West Bengal ...	Rs. 57,078- 9-6	
Less Bank Balances ...	Rs. 54,969-12-0	
		Rs. 2,108-13-6
Deposits from different a/cs. ...	...	Rs. 1,16,700- 8-6
Loan from Provident Fund ...	...	Rs. 1,86,080- 0-0
Loan from S. C. Mullick Endowment	...	Rs. 35,000- 0-0
Balance of Jadavpur Polytechnic (W. B. Govt. Grant) ...	...	Rs. 91,695- 0-0
Bank Overdrafts	...	Rs. 6,44,134-11-3
Liabilities on Bills	...	Rs. 7,10,920-11-6
		Rs. 19,04,892- 3-5

Yours faithfully,
Sd/- GUPTA & MITRA.

THE NATIONAL COUNCIL

Balance Sheet as at

CAPITAL AND LIABILITIES	Rs.	As.	P.	Rs.	As.	P.
Capital						
As per last account	20,72,175	8	11			
Add Donations for Construction	66,164	10	0			
Add Donations for Equipment	18,420	6	0			
Add Development Fund	16,990	0	0			
	21,73,750	8	11			
Less Excess of Expenditure over Income carried from Total Revenue Account ...	3,84,913	15	5			
				17,88,836	9	6
Earmarked Prize & Stipend Funds						
Gopikristo Bose Stipend Fund ...	1,902	0	0			
Dwijendra Memorial Scholarship Fund	50,000	0	0			
Surendra Nath Ghose Memorial Fund	22,009	13	1			
Asoke Memorial Prize Fund ...	481	4	4			
Jatindra Krishna Prize Fund ...	878	6	11			
Manilal Chatterjee and Other Stipend Fund	3,806	3	0			
Sreemat Bhagawat Gita Scholarship Fund	1,416	8	10			
Krishto Mohan Bose Stipend Fund	1,870	4	7			
Srish Ch. Bir Protap Memorial Fund	249	3	6			
Sinha Fund	49,659	12	1			
Jyotinath Memorial Fund ...	2,200	0	0			
S. K. Dutta Memorial Fund ...	351	0	0			
Sudhakar Burman Memorial Fund ...	801	0	0			
Hindu Religious Education Fund	33,317	0	0			
K. P. Das Gupta Memorial Fund	500	5	7			
P. N. Bose Memorial Fund ...	1,000	0	0			
Mohini Mohan Bose Endowment Fund	5,000	0	0			
Mary K. Das and Tarak Nath Das Fund	1,071	4	0			
Bireswar Das Gupta Memorial Scholarship	2,781	8	0			
Hironmoyee Debi Scholarship Fund ...	90	0	0			
Aloke Kr. Sarkar Memorial Fund	50	0	0			
Ganguram Varma Memorial Scholarship Fund	4,000	0	0			
				1,83,435	9	11
Carried Over ...				19,72,272	3	5

OF EDUCATION, BENGAL.

31st March 1956.

PROPERTY AND ASSETS	Rs.	As.	P.	Rs.	As.	P.
Endowments						
Sri B. K. Roy Choudhury Endowment	5,00,000	0	0			
Maharaja S. K. Acharyya Choudhury Bahadur Endowment ...	2,50,000	0	0			
Subodh Ch. Basu Mullick Endowment	1,00,000	0	0			
Gopal Ch. Sinha Endowment ...	1,00,000	0	0			
				9,50,000	0	0
Buildings, Structures and Developments						
As per last account	16,59,015	11	9			
Less Depreciation @2½% ...	41,475	6	0			
	16,17,540	5	9			
Addition during the year						
For Mechanical Engg. Laboratory Extension 34,557-0-0						
For Electrical Engg. Laboratory Extension 99,370-11-9						
For High Tension Laboratory Building 93,328-7-9						
For Chemical Engg. Industrial Laboratory Building 1,22,380-2-3						
For Iron gate & Boundary Wall 9,664-9-6						
For Garrage Shed 7,554-8-0						
For Internal Telephone Exchange 28-0-0						
For N. C. C. Kitchen & Strong Room for Rifles 2,604-13-1						
For Road Construction 722-9-3						
	3,70,210	13	7			
				19,87,751	3	4
Construction—Electric Installation and Fans						
As per last account	77,753	4	10			
Less Depreciation @10% ...	7,775	5	0			
	69,977	15	10			
Addition during the year ...	26,238	5	4			
				96,216	5	2
				30,33,967	8	6
Carried Over ...						

THE NATIONAL COUNCIL

Balance Sheet as at

CAPITAL AND LIABILITIES	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				19,72,272	3	5
Other Earmarked Funds						
Alumni Special Fund ...	2,602	0	6			
Geological Fund (Tata Trust) ...	2,948	10	9			
Lawn Tennis Fund	247	14	0			
Students Benefit Fund	5	14	0			
Gymnasium Fund	2,113	14	6			
Balazer Fund	1,578	0	0			
Research Fund (C.S.I.R. & Others)	5,808	6	9			
Special Research Fund (Donated by Dr. S. K. Banerjee) ...	577	12	6			
Research Fund (Soil Testing Govt. of West Bengal)	1,872	7	6			
Research Fund (Investigation of Pit Brine)	31	9	0			
Special Research Fund (Chem. Engg. Dept.)	95	0	0			
Research Scholarship (Govt. of India)	7,013	6	0			
Industrial Tour Fund	301	13	0			
S. C. Mullick Endowment Fund	3,600	0	0			
Unspent Balance—Post Graduate course in Engg. Geology ...	293	3	3			
				29,089	15	9
Deposits and Unpaid Amounts						
Deposits from Students ...	35,100	2	0			
Suspense	1,944	3	3			
Stipends, Prizes & Scholarships Govt. & Other bodies & Industrial Training Stipend	28,242	13	3			
Educational Stipend	32,784	0	0			
Security Deposit	562	0	0			
Unpaid Salaries	829	14	3			
Unpaid West Bengal Government Dearness Allowances ...	16,876	10	0			
Suspense—Victoria Canteen ...	262	5	0			
Suspense—S. G. Stores Canteen ...	98	8	9			
				1,16,700	8	6
Deposits						
Provident Fund Board	1,86,080	0	0			
S. C. Mullick Endowment ...	35,000	0	0			
Jadavpur Polytechnic (Grant from Government of West Bengal) ...	91,695	0	0			
				3,12,775	0	0
Carried Over ...				24,30,837	11	8

OF EDUCATION, BENGAL.

31st March, 1956—Contd.

PROPERTY AND ASSETS	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				30,33,967	8	6
Construction—Gas and Water Connections						
As per last account	23,092	5	3			
Less Depreciation @ 10% ...	2,309	3	0			
	20,783	2	3			
Addition during the year ...	15,615	9	6			
				36,398	11	9
College Furniture						
As per last account	1,26,172	7	0			
Less Depreciation @ 5% ...	6,308	9	0			
	1,19,863	14	0			
Addition during the year ...	28,281	3	3			
				1,48,145	1	3
Hostel						
Land--as per last account ...	3,25,262	3	8			
Building						
As per last a/c. 14,99,471- 1-6						
Less Dep. @2½% 37,486-12-0						
14,61,984- 5-6						
Addition during the year (for Electric Installation) 1,514- 1-3	14,63,498	6	9			
				17,88,760	10	5
Furniture and Fixtures—New Hostel						
As per last account	91,504	9	3			
Less Depreciation @ 5% ...	4,575	4	0			
	86,929	5	3			
Addition during the year ...	363	6	0			
				87,292	11	3
Utensils—New Hostels						
As per last account	1,095	0	0			
Less Depreciation @ 20% ...	219	0	0			
				876	0	0
Construction—Library Building and Reading Room						
Expenditure during the year ...				15,469	7	6
Carried Over ...				51,10,910	2	8

THE NATIONAL COUNCIL

Balance Sheet as at

CAPITAL AND LIABILITIES	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				24,30,837	11	8
Outstanding Liabilities				7,10,920	11	6
Capital Grant						
Government of India						
Equipment for Degree Courses						
As per last account	17,42,000	0	0			
Equipment for Post-Graduate Engineering Geology						
As per last account ...	40,000	0	0			
Equipment for Research Development in Chemical Engineering Department						
As per last account ...	20,000	0	0			
Building for Degree Courses						
As per last account ...	5,84,715	0	0			
Library and Reading Room						
Received during the year	75,000	0	0			
Government of West Bengal				24,61,715	0	0
Equipment for Chemical Engg. Dept.						
As per last account 3,88,000/-						
Addition during the year 25,000/-	4,13,000	0	0			
Equipment for Overseer Course						
As per last account ...	183	14	3			
Books for Post-Graduate course in Engineering Geology						
Received during the year ...	2,000	0	0			
Building for Chemical Engg. Dept.						
As per last account ...	1,50,000	0	0			
Library and Reading Room						
Received during the year ...	37,500	0	0			
Buildings for National Cadet Officers						
Received during the year ...	54,600	0	0			
				6,57,283	14	3
Interest-Free Loan						
Government of India for Construction of Hostel Buildings						
As per last a/c. 15,04,127-12-0						
Less Repayment during the year 50,100- 0-0	14,54,027	12	0	14,54,027	12	0
Carried Over ...				77,14,785	1	5

OF EDUCATION, BENGAL.

31st March, 1956—Contd.

PROPERTY AND ASSETS	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				51,10,910	2	8
Equipment						
Power Tools & Accessories (Blue Earth Workshop)						
As per last account	1,21,922	0	6			
Less Depreciation @ 5% ...	6,096	1	0	1,15,825	15	6
Plant and Machineries (Workshop)						
As per last account	1,07,945	4	9			
Less Depreciation @ 5% ...	5,397	4	0	1,02,548	0	9
Tools and Accessories						
As per last account	4,815	1	3			
Less Depreciation @ 10% ...	481	8	0	4,333	9	3
Equipment—Mechanical Engineering Department						
As per last account	5,96,870	12	11			
Less Depreciation @ 5% ...	29,843	8	0			
	5,67,027	4	11			
Addition during the year ...	20,483	6	0	5,87,510	10	11
Equipment—Electrical Engg. Dept.						
As per last account	5,49,882	13	7			
Less Depreciation @ 5% ...	27,494	2	0			
	5,22,388	11	7			
Addition during the year ...	8,709	10	0	5,31,098	5	7
Equipment—Chemical Engg. Dept.						
As per last account	4,58,180	7	0			
Less Depreciation @ 5% ...	22,909	0	0			
	4,35,271	7	0			
Addition during the year						
W. Bengal Govt. Grant 1,966-15						
India Govt. Grant 6,506- 4	8,473	3	0	4,43,744	10	0
Equipment—Chemical Engg. Dept. Research Development						
Expenditure during the year ...				2,482	3	9
Carried Over ...				68,98,453	10	5

THE NATIONAL COUNCIL

Balance Sheet as at

CAPITAL AND LIABILITIES	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				77,14,785	1	5
Government of West Bengal for Land for Hostel Site						
As per last a/c.	2,88,312/-					
Less Repayment during the year	10,678/-					
	2,77,634	0	0	2,77,634	0	0
Bank Overdrafts						
State Bank of India a/c. N. C. E.	3,69,061	1	3			
United Bank of India Ltd. a/c. N. C. E.	2,75,073	10	0			
				6,44,134	11	3
Carried Over ...				86,36,553	12	8

OF EDUCATION, BENGAL.

31st March, 1956—Contd.

PROPERTY AND ASSETS	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				68,98,453	10	5
Equipment—Chemical—Dehydrating Machine —Hire Purchase						
As per last account	8,618	12	0			
Less Depreciation @ 5% on 33,868/12/- ...	1,693	7	0			
	6,925	5	0			
Addition during the year ...	3,000	0	0	9,925	5	0
Equipment and Appliances—Physics						
As per last account	56,852	2	9			
Less Depreciation @ 5% ...	2,842	9	0			
	54,009	9	9			
Addition during the year ...	3,504	9	0	57,514	2	9
Equipment Post-Graduate Course in Engineering Geology						
As per last account	2,130	0	6			
Less Depreciation @ 5% ...	106	8	0			
	2,023	8	6			
Addition during the year ...	23,777	5	0	25,800	13	6
Equipment Change over to Electric Supply						
As per last account	45,538	3	6			
Less Depreciation @ 5% ...	2,276	14	0	43,261	5	6
Office Requisites						
As per last account	10,732	0	3			
Less Depreciation @ 10% ...	1,073	3	0			
	9,658	13	3			
Less Cost of one typewriter sold during the year	215	0	0	9,443	13	3
Portraits and Tablets						
As per last account	5,406	9	0			
Less Depreciation @ 10% ...	540	10	0	4,865	15	0
Apparatus and Appliances—Agriculture Course						
As per last account	5,238	10	0			
Less Depreciation @ 10% ...	523	13	0	4,714	13	0
Carried Over ...				70,53,979	14	5

THE NATIONAL COUNCIL

Balance Sheet as at

CAPITAL AND LIABILITIES	Rs. As. P.	Rs. As. P.
Brought Forward ...		86,36,553 12 8
Carried Over ...		86,36,553 12 8

OF EDUCATION, BENGAL.

31st March, 1956—Contd.

PROPERTY AND ASSETS	Rs. As. P.	Rs. As. P.
Brought Forward ...		70,53,979 14 5
Dairy and Other Sheds—Agriculture		
As per last account	9,607 10 0	
Less Depreciation @ 10% ...	960 12 0	8,646 14 0
Cattle and Poultry—Agriculture		
As per last account		8,292 0 0
Book and Journals		
As per last account	1,05,554 15 11	
Less Depreciation @ 5% ...	5,277 12 0	
	10,00,277 3 11	
Addition during the year ...	3,679 8 3	1,03,956 12 2
Books and Journals—Post-Graduate Course in Engineering Geology		
Expenditure during the year ...		1,041 1 0
Loans and Advances		93,950 1 0
Other Advances		
Advances paid to parties for supply of Equipment ...	32,863 2 3	
Advances paid to Contractors against final bills for constructions	2,13,182 11 0	
Messing Expenses for Hostels ...	7,844 2 3	2,53,889 15 6
Stores—as certified		62,175 12 0
Deposit and Realisable Amount		
Electric Meters	479 12 6	
Foreign Training Loan Fund ...	321 9 0	
"Tech." Fund	1,824 0 0	
University Bill Celebration Fund	175 0 0	
Income Tax	502 8 0	
Charges on Disposal Stores ...	2,993 9 0	
Others	3,038 12 0	9,335 2 6
Carried Over ...		75,95,267 8 7

THE NATIONAL COUNCIL

Balance Sheet as at

CAPITAL AND LIABILITIES	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				86,36,553	12	8
Carried Over ...				86,36,553	12	8

OF EDUCATION, BENGAL.

31st March, 1956—Contd.

PROPERTY AND ASSETS		Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...					75,95,267	8	7
Outstanding Receipts							
Mymensingh Endowment ...		91,522	12	9			
S. C. Mullick Endowment ...		650	0	0			
B. K. Roy Choudhury Endowment		2,10,000	0	0			
Calcutta Corporation Recurring Grant		55,000	0	0			
Production Bills		5,273	6	9			
Golden Jubilee Fund		16,542	8	0	3,78,988	11	6
Investment (at Book Value)							
Council—							
3% G. P. Notes							
Face Value	77,200/-	76,152	4	0			
3% Govt. of India Loan							
Face Value	3,10,000/-	3,11,501	0	6			
4% Port Trust Debenture Loan							
Face Value	48,000/-	48,000	0	0			
3% G. P. Notes							
Face Value	35,000/-	35,000	0	0	4,70,653	4	6
Joint Stock Companies Shares ..					41,028	12	0
Investment—Earmarked Funds (at Book Value)							
Hindu Religious Education Fund							
3% G. P Notes							
Face Value	18,000/-	17,279	12	0			
Sreamet Bhagawat Gita Scholarship							
3% G. P. Notes							
Face Value	1,000/-	912	8	0			
Asoke Memorial Prize Fund							
3% G. P. Notes							
Face Value	700/-	481	4	0			
Gopi Kristo Bose Stipend Fund							
3% G. P. Notes							
Face Value	1,600/-	1,600	0	0			
Kristo Mohan Bose Stipend Fund							
3% G. P. Notes							
Face Value	1,600/-	1,600	0	0			
Carried Over ...		21,873	8	0	84,85,938	4	7

THE NATIONAL COUNCIL

Balance Sheet as at

CAPITAL AND LIABILITIES	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				86,36,553	12	8
Carried Over ...				86,36,553	12	8

OF EDUCATION, BENGAL

31st March, 1956 – Contd.

PROPERTY & ASSETS		Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...		21,873	8	0	84,85,938	4	7
Investment—Earmarked Funds (at Book Value—*Contd.*)							
Jatindra Krishna Prize Fund							
3% G. P. Notes							
Face Value	800/-	799	4	0			
Monilal Chatterjee & Other Stipend Fund							
3% G. P. Notes							
Face Value	3,100/-	3,100	0	0			
Srish Ch. Bir Protap Memorial Fund							
3% G. P. Notes							
Face Value	300/-	195	12	0			
Surendra Nath Ghose Memorial Fund							
3% Conversion Loan 1946							
Face Value	22,400/-	21,105	5	0			
Sinha Fund							
3% G. P. Notes							
Face Value	32,000/-	31,900	0	0			
Kali Prosanna Das Gupta Memorial Fund							
3% G. P. Notes							
Face Value	500/-	500	0	0			
Jyoti Nath Memorial Scholarship Fund							
3% G. P. Notes							
Face Value	2,200/-	2,200	0	0			
Dwijendra Memorial Scholarship Fund ...							
4½% Inscribed Stock	10,000/-						
Less Investment sold	10,000/-						
Add purchase of 4% West Bengal Loan 1967							
Face Value	10,000/-	10,000	0	0			
Bireswar Das Gupta Memorial Fund							
3½% 10 years Treasury Savings Deposit Certificates							
Face Value ...	2,600/-	2,600	0	0			
					94,273	13	0
Carried Over ...					85,80,212	1	7

THE NATIONAL COUNCIL

Balance Sheet as at

CAPITAL AND LIABILITIES	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				86,36,553	12	8
Carried Over ...				86,36,553	12	8

We have audited the above Balance Sheet as at 31st March, 1956 and the 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 Council's affairs according to the best of our information and explanations given to us and as shown by the books of the Council.

Dated, Calcutta, the 20th September, 1956.

P-14, Mission Row Extension,
Calcutta-1

GUPTA & MITRA,
Chartered Accountants,
Auditors.

OF EDUCATION, BENGAL.

31st March, 1956—Contd.

PROPERTY AND ASSETS	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				85,80,212	1	7
Cash & Bank Balances						
With State Bank of India						
C. E. T. A/c No. I	54,366	2	2			
C. E. T. A/c No. II	489	9	9			
C. E. T. A/c No. III	61	2	2			
C. E. T. A/c No. IV	52	14	0			
Alumni Fund A/c	367	15	3			
Jadavpur University	1,003	15	9			
Cash in hand	Nil					
				56,341	11	1
				86,36,553	12	8

THE NATIONAL COUNCIL

Total Revenue Account for the

EXPENDITURE	Rs.	As.	P.	Rs.	As.	P.
To Depreciation						
On Buildings, Structures & Development	41,475	6	0			
On Construction—Gas & Water Connection ...	2,309	3	0			
On Construction—Electric Installation & Fans	7,775	5	0			
On College Furniture	6,308	9	0			
On Construction—New Hostel ...	37,486	12	0			
On New Hostel—Furniture & Fixtures	4,575	4	0			
On Equipment—Power, Tools & Accessories (Blue Earth Workshop)	6,096	1	0			
On Plant & Machineries (Workshop)	5,397	4	0			
On Tools & Accessories ...	481	8	0			
On Equipment--Mechanical Engg.	29,843	8	0			
On Equipment—Electric Engg. ...	27,494	2	0			
On Equipment—Chemical Engg.	22,909	0	0			
On Equipment & Appliances—Physics	2,842	9	0			
On Equipment—Post Graduate Course in Engineering Geology	106	8	9			
On Office Requisites	1,073	3	0			
On Equipment—Chemical—Dehydrating machine--Hire Purchase	1,693	7	0			
On Equipment--change over to Electric Supply	2,276	14	0			
On Apparatus & Appliances—Agriculture	523	13	0			
On Irrigation, Tubewell & Fencing Agriculture	601	0	3			
On Books & Journals	5,277	12	0			
On Portraits & Tablets	540	10	0			
On Dairy & Other Shed—Agriculture	960	12	0			
On Hostel—Utensils & Stores ...	219	0	0	2,08,267	6	3
Carried Over ...				2,08,267	6	3

OF EDUCATION, BENGAL.

year ended 31st March, 1956.

INCOME	Rs.	As.	P.	Rs.	As.	P.
By Endowments						
Mymensingh Endowment ...	2,750	0	0			
Sj. B. K. Roy Choudhury ...	20,000	0	0	22,750	0	0
,, Excess of Income over Expenditure carried from "Income & Expenditure Account on Hostels"				45,314	15	9
,, Excess of Income over Expenditure carried from "Income & Expenditure Account on General Department" ...				7,082	1	9
,, Excess of Income over Expenditure carried from "Income & Expenditure Account on Agriculture & Overseer Courses"				1,464	3	6
,, Balance—Excess of Expenditure over Income carried to Balance Sheet...				3,84,913	15	5
Carried Over ...				4,61,525	4	5

THE NATIONAL COUNCIL

Total Revenue Account for the

EXPENDITURE	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				2,08,267	6	3
To Charges written off						
,, Excess of Expenditure over Income carried from Income & Expenditure Account from Degree Courses				0	10	0
				2,53,257	4	2
				4,61,525	4	5

GUPTA & MITRA,
Chartered Accountants,
Auditors.

OF EDUCATION, BENGAL.

year ended 31st March, 1956.

INCOME	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				4,61,525	4	5
				4,61,525	4	5

THE NATIONAL COUNCIL

COLLEGE OF ENGINEERING &

Income and Expenditure Account for the Degree Courses in "Mech.,

EXPENDITURE	Rs.	As.	P.	Rs.	As.	P.
To Mechanical Engg. Department						
Teaching Staff (Salary & Allowance) ...	1,98,269	13	0			
Laboratory & Store Assistants (Salary & Allowance) ...	3,470	0	0			
Mistries, Helpers & Bearers (Salary & Allowances)						
Laboratory	6,673	12	0			
Workshop ...	38,699	8	0			
Provident Fund Contribution	17,217	0	0			
Leave Vacancies & Allowances	10,746	13	0			
Laboratory Teaching Expenses	958	12	3			
Workshop Teaching Expenses on Materials	4,898	3	3			
Power (Staff & Stores) ...	7,353	6	3			
Excursion Expenses ...	481	2	0			
Repairs & Maintenance						
Furniture & Equipment ...	906	1	0			
Buildings	15,254	14	3			
Contingencies						
Laboratory	460	12	6			
Workshop	875	5	9			
				3,06,265	7	3
To Electrical Engg. Department						
Teaching Staff (Salary & Allowance) ...	1,04,650	6	0			
Laboratory Assistant (Salary & Allowance) ...	1,795	0	0			
Mistries, Helpers & Bearers (Salary & Allowance) ...	11,720	4	0			
Provident Fund Contribution ...	7,680	15	0			
Leave Vacancies & Allowances	1,058	10	0			
Laboratory Teaching Expenses	3,150	0	0			
Excursion Expenses ...	20	6	0			
Repairs & Maintenance						
Furniture & Equipment ...	313	12	6			
Buildings	4,528	2	3			
Contingencies	329	13	8			
				1,35,247	5	5
Carried Over ...				4,41,512	12	8

OF EDUCATION, BENGAL.

TECHNOLOGY, BENGAL, JADAVPUR.

Elec. & Chem. Engineering" for the year ended 31st March, 1956—Contd.

INCOME	Rs.	As.	P.	Rs.	As.	P.
By Fees from Students						
Tuition Fee (Mechanical & Elctrical Engineering ...	96,397	0	0			
Tuition Fee (Chemical Engg.)	35,997	0	0			
				1,32,394	0	0
By Examination						
Examination Fee	43,137	0	0			
Registration—N.C.	528	0	0			
Marksheet & Transcript Fee ...	2,489	8	0			
Sale of Question Papers ...	61	8	0			
Scrutiny Fee for Answer Scripts	510	0	0			
				46,726	0	0
By Students Amenities						
Session Fee	11,159	0	0			
Medical Examination Fee ...	820	0	0			
Students Health Home Fee ..	725	0	0			
Exhibition	745	12	3			
				13,449	12	3
By Interests & Dividends				15,565	6	0
By Donations & Contributions ...				97	5	0
By Other Receipts						
Breakage, Fines, Certificate Fees	3,258	12	0			
Registration (Admission) ...	13,549	14	0			
Admission Fee	5,320	0	0			
Sale Proceeds of Prospectus ...	1,051	4	0			
Hire Charges of Convocation Gown	715	0	0			
				23,894	14	0
By Rents & Conservency						
Staff Quarter & other Buildings	7,945	5	0			
Subordinate Staff Quarter ...	3,126	0	0			
Southern Avenue Buildings ...	1,708	6	0			
				12,779	11	0
By Subvention from Government of West Bengal for Dearness Allowances				32,855	3	0
Recurring Grant						
Corporation of Calcutta ...	14,610	6	0			
Government of West Bengal— for Additional Staff for Chemical Engineering Department	82,000	0	0			
Government of India	5,98,000	0	0	6,94,610	6	0
Carried Over ...				9,72,372	9	3

THE NATIONAL COUNCIL
COLLEGE OF ENGINEERING &
Income and Expenditure Account for the Degree Courses in "Mech.,

EXPENDITURE	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				4,41,512	12	8
To Chemical Engg. Department						
Teaching Staff (Salary & Allowance) ...	1,25,911	0	0			
Laboratory & Store Assistants (Salary & Allowance) ...	3,863	14	0			
Mistries, Helpers & Bearers (Salary & Allowance) ...	13,671	1	0			
Provident Fund Contribution ...	10,019	7	0			
Leave Vacancies & Allowances	12,373	2	0			
Laboratory Teaching Expenses on Materials	19,773	4	9			
Power (Staff & Stores) ..	7,353	6	3			
Excursion Expenses	680	1	3			
Repairs & Maintenance						
Furniture & Equipment ...	1,221	0	0			
Gas & Water Connections ...	1,828	11	3			
Buildings	4,378	10	3			
Contingencies	1,586	6	6			
				2,02,660	0	3
To Physics						
Teaching Staff (Salary & Allowances) ...	33,035	0	0			
Laboratory Assistant (Salary & Allowances) ...	1,888	0	0			
Bearers (Salary & Allowances)	2,753	10	0			
Provident Fund Contribution ...	2,649	11	0			
Laboratory Teaching Expenses on Materials	759	1	0			
Repairs & Maintenance						
Furniture & Equipment						
Buildings	445	0	3			
Contingencies	20	0	0			
	83	11	0			
				41,634	1	3
To Mathematics						
Teaching Staff (Salary & Allowances) ...	29,999	8	0			
Provident Fund Contribution ...	1,711	9	0			
Contingencies	4	7	0			
				31,715	8	0
To Humanities						
Teaching Staff (Salary & Allowances) ...	14,265	0	0			
Provident Fund Contribution ...	757	9	0			
				15,022	0	0
Carried Over ...				7,32,544	6	2

OF EDUCATION, BENGAL.
TECHNOLOGY, BENGAL, JADAVPUR.
Elec. & Chem. Engineering" for the year ended 31st March, 1956—Contd.

INCOME	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				9,72,372	9	3
Carried Over ...				9,72,372	9	3

THE NATIONAL COUNCIL OF EDUCATION, BENGAL

COLLEGE OF ENGINEERING & TECHNOLOGY, BENGAL, JADAVPUR.

Income and Expenditure Account for the Degree Courses in "Mech., Elec. & Chem. Engineering" for the year ended 31st March, 1956—Contd.

EXPENDITURE	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				7,32,544	6	2
To National Cadet Training						
Honorarium to Cadet Officers...	2,050	0	0			
Amenities to Cadets ...	1,197	10	6			
				3,247	10	6
To Administration						
Principal (Salary & Allowance)	22,200	0	0			
Registrar (Salary & Allowance)	11,260	0	0			
				33,460	0	0
To Office Expenses						
Office Staff (Salary & Allowances) ...	56,223	2	0			
Darwans, Sweepers, Malees & Bearers (Salary & Allowances)	48,989	5	0			
Leave Vacancies & Allowances	2,959	12	0			
Contingencies	104	5	0			
				1,08,276	8	0
To Library						
Staff (Salary & Allowances)	9,020	0	0			
Bearers (Salary & Allowances)	2,889	11	0			
Leave Vacancies & Allowances	55	1	0			
Newspaper & Periodicals ...	583	2	0			
Binding Charges	921	12	0			
Printing, Stationery & Contingencies	442	2	0			
				13,911	12	0
To Other Establishment						
Physical Instructors (Salary & Allowances) ...	3,659	0	0			
General Maintenance Staff (Salary & Allowances) ...	27,957	10	0			
Electrical Inst. Maintenance staff (Salary & Allowances)	12,666	1	0			
Leave Vacancies & Allowances	175	7	0			
				44,458	2	0
To Examination Expenses						
Staff (Salary & Allowances) ...	6,866	11	0			
Bearers (Salary & Allowances)	1,104	0	0			
Examiners' & Paper Setters' Fees	20,061	4	0			
Honorarium to Tabulators & Helpers	4,173	0	0			
Printing, Postage & Stationery	6,302	1	3			
Contingencies	80	8	6			
				38,587	8	9
Carried Over ...				9,74,485	15	5

INCOME	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				9,72,372	9	8
Carried Over ...				9,72,372	9	8

THE NATIONAL COUNCIL

COLLEGE OF ENGINEERING &

Income and Expenditure Account for the Degree Courses in "Mech.,

EXPENDITURE	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				9,74,485	15	5
To General Repair & Maintenance						
Main & other Buildings ...	13,326	7	6			
Roads	1,819	10	3			
Sanitary Arrangements ...	499	7	3			
Gas & Water Connections ...	474	5	6			
Electric Installations ...	3,375	9	4			
Office & General—Furniture & Requisite	1,154	6	0	20,649	13	10
To Students Amenities						
College Magazine	5,368	8	0			
Sporting & Physical Culture	9,636	3	9			
Play Ground Maintenance Staff	2,966	0	0			
Students Union & Aid ...	2,527	9	6			
Medical Examination of Students	900	0	0	21,398	5	3
To **Annual prizes & Scholarships**				1,770	0	0
To **Provident Fund Contribution** (Administration, Office & General Staff)				13,396	14	0
To Gratuity & Annuity						
Annuity under Endowments ...	2,106	0	0			
Gratuity to Retiring Staff ...	13,634	0	0	15,740	0	0
To Disbursement of Dearness Allowances (Government of West Bengal)				33,905	11	0
Carried Over ...				10,81,346	11	6

OF EDUCATION, BENGAL.

TECHNOLOGY, BENGAL, JADAVPUR.

Elec. & Chem. Engineering" for the year ended 31st March, 1956—Contd.

INCOME	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				9,72,372	9	8
Carried Over ...				9,72,372	9	8

THE NATIONAL COUNCIL
COLLEGE OF ENGINEERING &

EXPENDITURE	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				10,81,346	11	6
To Other Expenses						
Convocation, Golden Jubilee of the Council & Inauguration of the University	26,978	7	3			
Admission Expenses	1,480	7	3			
Rent & Taxes	6,738	5	0			
Interests on Loans, Overdrafts & Deposits	46,425	15	10			
Telephone	1,092	7	0			
Electricity	14,832	5	6			
Legal, Audit & Bank Charges ..	1,550	13	1			
Printing, Postage & Stationery	11,115	2	9			
Advertisements & Publicity ...	1,325	15	0			
Printing of Prospectus ...	495	12	0			
Deputation Arrangements ...	592	2	6			
Insurance Premium ...	4,011	2	0			
Payment to Jadavpur College Pay Office of State Bank of India	1,500	0	0			
General Contingencies ...	9,748	8	0			
To Excess of Expenditure over Income carried from Income and Expenditure Account on "Research Schemes" (Chemical Engineering and Electrical Engineering)				1,27,887	7	2
				16,395	10	9
				12,25,629	13	5

OF EDUCATION, BENGAL.
TECHNOLOGY, BENGAL, JADAVPUR.

INCOME	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				9,72,372	9	3
By Excess of Expenditure over income carried to Total Revenue Account				2,53,257	4	2
				12,25,629	13	5

GUPTA & MITRA,
Chartered Accountants,
Auditors.

OF EDUCATION, BENGAL.

TECHNOLOGY, BENGAL, JADAVPUR.

Elec. & Chem. Engineering" for the year ended 31st March, 1956—Contd.

INCOME	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				9,72,372	9	8
Carried Over ...				9,72,372	9	8

THE NATIONAL COUNCIL

COLLEGE OF ENGINEERING &

Income and Expenditure Account on "Hostels"

EXPENDITURE	Rs.	As.	P.	Rs.	As.	P.
To New Hostel						
Establishment	13,014	4	0			
Provident Fund Contribution ...	357	9	0			
Rents & Taxes	1,947	3	0			
Electricity	11,443	11	6			
Telephone Charges	337	5	6			
Repairs & Maintenance Furniture & Equipment ...	704	3	9			
Buildings & Sites	2,496	0	6			
Sanitary & Electric Installation	858	8	9			
Contingencies	591	1	3			
To Excess of Income over Expenditure carried to—Total Revenue Account				31,749	15	3
				45,314	15	9
				77,064	15	0

THE NATIONAL COUNCIL OF EDUCATION, BENGAL.
COLLEGE OF ENGINEERING & TECHNOLOGY, BENGAL, JADAVPUR.

EXPENDITURE	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				10,81,346	11	6
To Other Expenses						
Convocation, Golden Jubilee of the Council & Inauguration of the University	26,978	7	3			
Admission Expenses	1,480	7	3			
Rent & Taxes	6,738	5	0			
Interests on Loans, Overdrafts & Deposits	46,425	15	10			
Telephone	1,092	7	0			
Electricity	14,832	5	6			
Legal, Audit & Bank Charges ..	1,550	13	1			
Printing, Postage & Stationery	11,115	2	9			
Advertisements & Publicity ...	1,325	15	0			
Printing of Prospectus ...	495	12	0			
Deputation Arrangements ...	592	2	6			
Insurance Premium ...	4,011	2	0			
Payment to Jadavpur College Pay Office of State Bank of India	1,500	0	0			
General Contingencies ...	9,748	8	0			
To Excess of Expenditure over Income carried from Income and Expenditure Account on "Research Schemes" (Chemical Engineering and Electrical Engineering)				1,27,887	7	2
				16,395	10	9
				12,25,629	13	5

INCOME	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				9,72,372	9	3
By Excess of Expenditure over income carried to Total Revenue Account				2,53,257	4	2
				12,25,629	13	5

GUPTA & MITRA,
Chartered Accountants,
Auditors.

THE NATIONAL COUNCIL OF EDUCATION, BENGAL
COLLEGE OF ENGINEERING & TECHNOLOGY, BENGAL, JADAVPUR.
Income and Expenditure Account on "Hostels" for the year ended 31st March, 1956.

EXPENDITURE	Rs.	As.	P.	Rs.	As.	P.
To New Hostel						
Establishment	13,014	4	0			
Provident Fund Contribution ...	357	9	0			
Rents & Taxes	1,947	3	0			
Electricity	11,443	11	6			
Telephone Charges	337	5	6			
Repairs & Maintenance Furniture & Equipment ...	704	3	9			
Buildings & Sites	2,496	0	6			
Sanitary & Electric Installation	858	8	9			
Contingencies	591	1	3			
				31,749	15	3
To Excess of Income over Expenditure carried to—Total Revenue Account				45,314	15	9
				77,064	15	0

INCOME	Rs.	As.	P.	Rs.	As.	P.
By New Hostel						
Seat Rent	67,137	9	0			
Admission Fee	2,515	0	0			
Electricity	7,412	6	0			
				77,064	15	0
				77,064	15	0

GUPTA & MITRA,
Chartered Accountants,
Auditors.

THE NATIONAL COUNCIL OF EDUCATION, BENGAL.

COLLEGE OF ENGINEERING & TECHNOLOGY, BENGAL, JADAVPUR.

Income and Expenditure Account on "Research Schemes" for the year ended 31st March, 1956.

EXPENDITURE	Rs.	As.	P.	Rs.	As.	P.
To Chemical Engineering Department						
Research Expenses				27,401	0	3
To Electrical Engineering Department						
Research Expenses				1,038	12	0
To Council of Scientific & Industrial Research						
(*a*) Research Scheme on Combustion of Pulverised Coal						
(*i*) Staff 3,060-0-0						
(*ii*) Equipment 251-0-0						
(*iii*) Contingencies 638-0-7	3,942	0	7			
(*b*) Research Scheme on Investigation of Varatrum Alkaloids						
(*i*) Staff 4,256-1-0						
(*ii*) Contingencies 818-8-7	5,074	9	7			
(*c*) Research Scheme on determination of heat resistance of spores of food spoilage Bacteria						
(*i*) Staff 1,998-14-0						
(*ii*) Contingencies 783- 5-1	2,782	3	1			
(*d*) Research Scheme on A. C. Stabiliser with pure sinusoidal Voltage out put						
(*i*) Staff 765-0-0						
(*ii*) Contingencies 385-7-0	1,150	7	0			
(*e*) Research Scheme on testing of Indegenous materials for H. T. use						
(*i*) Staff 2,778- 1-0						
(*ii*) Contingencies 69-12-1	2,847	13	1			
(*f*) Research Scheme on Pressure leaching of Copper ores						
(*i*) Staff 1,676-11-0						
(*ii*) Equipment 746-13-6						
(*iii*) Contingencies 707- 8-7	3,131	1	1			
Carried Over ...	18,928	2	5	28,439	12	3

INCOME	Rs.	As.	P.	Rs.	As.	P.
By Government of West Bengal Grant for Research Expenses for the Chemical Engineering Dept.				10,000	0	0
By Research Scholarship from Firm				1,800	0	0
By Council of Scientific & Industrial Research						
(*a*) Research Scheme on Combustion of Pulverised Coal						
(*i*) Staff 3,104-0-0						
(*ii*) Contingencies 780-9-0	3,884	9	0			
(*b*) Research Scheme on investigation on Varatrum Alkaloids						
(*i*) Staff 4,255-9-0						
(*ii*) Contingencies 1,000-0-0	5,255	9	0			
(*c*) Research Scheme on determination of heat resistence of spores of food spoilage Bacteria						
(*i*) Staff 2,040-0-0						
(*ii*) Contingencies 1,000-0-0	3,040	0	0			
(*d*) Research Scheme on A. C. Stabiliser with pure Liver soidal Voltage out put						
(*i*) Staff 765-0-0						
(*ii*) Contingencies 500-0-0	1,265	0	0			
(*e*) Research Scheme on testing of Indegenous Materials for H. T. use						
(*i*) Staff 2,550-0-0						
(*ii*) Contingencies 2,500-0-0	5,050	0	0			
(*f*) Research Scheme on Preparation of Cortisone & Corticosterone Analogues ...	223	5	0			
Carried Over ...	18,718	7	0	11,800	0	0

THE NATIONAL COUNCIL

COLLEGE OF ENGINEERING &

Income and Expenditure Account on "Research

EXPENDITURE	Rs.	As.	P.	Rs.	As.
Brought Forward ...	18,928	2	5	28,439	12 3
(*g*) Research Scheme on reaction of Calcium Carbonate with Ammonium Chloride Solution & Production of soda ash					
(*i*) Staff 765-0- 0					
(*ii*) Equipment 582-0- 6					
(*iii*) Contingencies 427-1-10	1,774	2	4		
(*h*) Research Scheme on determination of processing condition of Indian Vegetables by heat treatment	176	8	3	20,878	13 0
By Malda Mango Improvement Committee Research Scheme Preservation of fresh Malda Mangoes in transmit					
(*i*) Staff 446-11-0	446	11	0		
(*ii*) Contingencies 5- 0-0	5	0	0	451	11 0
,, Indian Council of Agricultural Research Scheme on Investigation on the method of processing of inedible or unpopular fish, caught in West Bengal.					
(*i*) Staff 1,180- 0-0	1,180	0	0		
(*ii*) Contingencies 2,367-14-0	2,367	14	0	3,547	14 0
,, Government of West Bengal Dehydration of Mango Pulp				17,088	10 3
				70,406	12 6
To Balance brought down ...				10,957	14 3
,, Balance of Research Funds C.S.I.R. & Others carried to Balance Sheet				5,808	6 9
				16,766	5 0

OF EDUCATION, BENGAL.

TECHNOLOGY, BENGAL, JADAVPUR.

Schemes" for the year ended 31st March, 1956.

INCOME	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...	18,718	7	0	11,080	0	0
(*g*) Research Scheme on Pressure leaching of Copper ores						
(*i*) Staff 1,785-0-0						
(*ii*) Equipment 1,500-0-0						
(*iii*) Contingencies 1,000-0-0	4,285	0	0			
(*h*) Research Scheme on reaction of Calcium Carbonate with Ammonium Chloride Solution and Production of Soda Ash						
(*i*) Staff 765-0-0						
(*ii*) Equipment 2000-0-0						
(*iii*) Contingencies 500-0-0	3,265	0	0	26,268	7	0
To Indian Council of Agricultural Research Research Scheme on Investigation on the method of processing of inedible or unpopular fish caught in West Bengal						
(*i*) Staff 2,360-0-0	2,360	0	0			
(*ii*) Contingencies 2,020-7-3	2,020	7	3	4,380	7	3
,, Government of West Bengal Dehydration of Mango Pulp				17,000	0	0
,, Balance carried down ...				10,957	14	3
				Rs. 70,406	12	6
By Research Fund (C.S.I.R.) & Others As per last account				370	10	3
,, Excess of Expenditure over Income on Research Scheme on Chemical Engineering, Electrical Engineering & Dehydration of Mango pulp, carried to Degree Courses				16,395	10	9
				16,766	5	0

GUPTA & MITRA,
Chartered Accountants,
Auditors.

THE NATIONAL COUNCIL OF EDUCATION, BENGAL.

COLLEGE OF ENGINEERING & TECHNOLOGY, BENGAL, JADAVPUR.

Income and Expenditure Account on "General Department" for the year ended 31st March, 1956.

EXPENDITURE	Rs.	As.	P.	Rs.	As.	P.
To Organisation Expenses of the Council				69	1	0
,, Training of Corporation Trainees				5,389	10	0
,, Founder's Day Expenses ...				163	15	0
,, Staff Quarters						
Pudda Pukur Road ...	2,756	13	0			
Ramani Chatterjee Road ...	880	0	0	3,636	13	0
,, Examination Expenses						
School Final & Corporation Apprentices	1,002	6	0			
M. S. Course	565	0	0	1,567	6	0
,, Disbursement of Dearness Allowance (Govt. of W. Bengal)				648	0	0
,, Excess of Income over Expenditure carried to Total Revenue Account				7,082	1	9
				18,592	14	9

INCOME	Rs.	As.	P.	Rs.	As.	P.
By Membership Subscription				4,630	0	0
,, Registration Fee— N.C.E. Graduates				65	0	0
,, Registration—Admission— M. S. Course				110	0	0
,, Grant from Corporation of Calcutta for Training of Corporation Trainees ...				5,389	10	0
,, Staff Quarter						
Paddapukur Road	2,759	12	0			
,, Ramani Chatterjee Road ...	620	0	0	3,379	12	0
,, Examination Income						
School Final & Corporation Apprentices				405	0	0
,, Other Receipts						
School Final—Migration Fee ...	290	0	0			
School Final—Marksheet Fee ...	26	0	0	316	0	0
,, Subvention from Government of West Bengal for Dearness Allowances				654	0	0
,, Sale of Publication (Council)				58	6	0
,, Miscellaneous Receipts ...				3,585	2	9
				18,592	14	9

GUPTA & MITRA
Chartered Accountants,
Auditors.

THE NATIONAL COUNCIL OF EDUCATION, BENGAL.

COLLEGE OF ENGINEERING & TECHNOLOGY, BENGAL, JADAVPUR.

Income and Expenditure Account for "Post-Graduate Course in Engineering Geology" for the year ended 31st March, 1956.

EXPENDITURE	Rs.	As.	P.	Rs.	As.	P.
To Post Graduate Course in Engineering Geology						
Staff (Salary & Allowances) ...	13,674	0	0			
Provident Fund Contribution	1,177	1	0			
Teaching Expenses ...	579	2	0			
Excursion Expenses	720	6	3			
Research Expenses	293	8	0			
Contingencies	14	12	0			
				16,458	13	3
				Rs. 16,458	13	3
To Balance brought down				622	13	3
,, Balance carried to Balance Sheet				293	3	3
				Rs. 916	0	6

INCOME	Rs.	As.	P.	Rs.	As.	P.
By Fees From Students						
Tuition Fee				3,836	0	0
,, Grant from Government of West Bengal				12,000	0	0
,, Balance carried down				622	13	3
				Rs. 16,458	13	3
By Balance carried from Balance Sheet				916	0	6
				Rs. 916	0	6

GUPTA & MITRA
Chartered Accountants,
Auditors.

THE NATIONAL COUNCIL

COLLEGE OF ENGINEERING &

Income and Expenditure Account for "Agriculture and

EXPENDITURE	Rs.	As.	P.	Rs.	As.	P.
To Overseer Course Examination Expenses				490	9	0
,, **Agriculture Course**						
Farm Superintendent	375	0	0			
Provident Fund Contribution	20	15	0	395	15	0
,, Disbursement of Dearness Allowances (Government of West Bengal)				17	8	0
,, Excess of Income over Expenditure carried to Total Revenue Account				1,464	3	6
				Rs. 2,368	3	6

OF EDUCATION, BENGAL.

TECHNOLOGY, BENGAL, JADAVPUR.

Overseer Courses" for the year ended 31st March, 1956.

INCOME	Rs.	As.	P.	Rs.	As.	P.
By Examination						
Special Overseer Examination Fee	650	0	0			
Special Diploma Examination Fee	750	0	0	1,400	0	0
,, **Other Receipts**						
Certificate Fee	21	0	0			
Marksheet Fee	6	0	0	27	0	0
,, **Agricultural Receipts**						
Milk	370	3	6			
Firm Produce	553	8	0	923	11	6
,, Subvention from Government of West Bengal for Dearness Allowances				17	8	0
				2,368	3	6

GUPTA & MITRA,
Chartered Accountants,
Auditors.

THE NATIONAL COUNCIL OF EDUCATION, BENGAL.

COLLEGE OF ENGINEERING & TECHNOLOGY, BENGAL, JADAVPUR.

Statement of expenditure out of Government of India Capital Grant upto 31st March, 1956.

Head of Grant	Total Grant received upto 31st March 1956	Progressive Total Expenditure upto 31st March 1955	Actual Expenditure during the period 1st April 1955 to 31st March 1956.	Progressive Total Expenditure upto 31st March 1956.	Balance as on 31st March 1956.
Equipment--Degree Courses.	17,42,000 0 0	18,05,448 8 0	42,221 14 3	18,47,670 6 3	Nil
Equipment-Post-Graduate Courses in Engineering Geology.	40,000 0 0	2,341 11 0	23,777 5 0	26,119 0 0	13,881 0 0
Equipment for Research Development in Chemical Engineering Department.	20,000 0 0	Nil	2,482 3 9	2,482 3 9	17,517 12 3

Examined the figures from books and found correct.

GUPTA & MITRA,
Chartered Accountants,
Auditors.

THE NATIONAL COUNCIL OF EDUCATION, BENGAL.

COLLEGE OF ENGINEERING & TECHNOLOGY, BENGAL,

Statement of expenditure out of Capital Grant from Government of West Bengal, upto 31st March, 1956.

Head of Grant	Total Grant received upto 31st March 1956	Progressive Total Expenditure upto 31st March 1955	Actual Expenditure during the period 1st April 1955 to 31st March 1956	Progressive Total Expenditure upto 31st March 1956	Balance as on 31st March 1956
Equipment--Chemical Engineering Department.	53,000 0 0	26,312 2 9	1,966 15 0	28,279 1 9	24,720 14 3
Books—Post Graduate Course in Engineering Geology.	2,000 0 0	Nil	1,041 1 0	1,041 1 0	958 15 0

Examined the figures from books and found correct.

GUPTA & MITRA,
Chartered Accountants,
Auditors.

THE NATIONAL COUNCIL OF EDUCATION, BENGAL.

SUBSIDIARY FUNDS.

As on 31st March, 1956.

(A) GOPI KRISTO BOSE STIPEND FUND.

	Rs.	As.	P.		Rs.	As.	P.
To Balance. Carried to Balance Sheet ...	1,902	0	0	By Balance (as per last a/c.)	1,854	8	0
				,, Interest on Investment	47	8	0
	1,902	0	0		1,902	0	0

(B) DWIJENDRA MEMORIAL SCHOLARSHIP FUND.

	Rs.	As.	P.		Rs.	As.	P.
To Expenses during the year	1,440	0	0	By Balance (as per last a/c.) ...	50,000	0	0
,, Balance. Carried to Balance Sheet	50,000	0	0	,, Interest on Invest. ment	314	10	7
				,, Interest on loans, deposits & overdrafts.	1,125	5	5
	51,440	0	0		51,440	0	0

(C) SURENDRA NATH GHOSH MEMORIAL FUND.

	Rs.	As.	P.		Rs.	As.	P.
To Expenses on Scholarships	1,000	0	0	By Balance (as per last a/c.)	22,357	9	1
,, Balance. Carried to Balance Sheet	22,009	13	1	,, Interest on Investment	642	4	0
				,, Fee for application	10	0	0
	23,009	13	1		23,009	13	1

(D) ASOKE MEMORIAL PRIZE FUND.

	Rs.	As.	P.		Rs.	As.	P.
To Expenses during the year	63	14	0	By Balance (as per last a/c.)	524	10	4
,, Balance. Carried to Balance Sheet	481	4	4	,, Interest on Investment	20	8	0
	545	2	4		545	2	4

THE NATIONAL COUNCIL OF EDUCATION, BENGAL.

SUBSIDIARY FUNDS (*Contd.*)

As on 31st March, 1956.

(E) JATINDRA KRISHNA PRIZE FUND.

	Rs.	As.	P.		Rs.	As.	P.
To Expenses during the year	68	1	0	By Balance (as per last a/c)	922	15	11
,, Balance carried to Balance Sheet ...	878	6	11	,, Interest on Investment	23	8	0
	946	7	11		946	7	11

(F) SREEMAT BHAGAWAT GITA SCHOLARSHIP FUND.

	Rs.	As.	P.		Rs.	As.	P.
To Balance Carried to Balance Sheet ...	1,416	8	10	By Balance (as per last a/c.)	1,387	0	10
				,, Interest on Investment	29	8	0
	1,416	8	10		1,416	1	10

(G) MONILAL CHATTERJEE & OTHER STIPEND FUND.

	Rs.	As.	P.		Rs.	As.	P.
To Expenses during the year	76	4	0	By Balance (as per last a/c.)	3,789	15	0
,, Balance carried to Balance Sheet ...	3,806	3	0	,, Interest on investment	92	8	0
	3,882	7	0		3,882	7	0

(H) KRISTO MOHAN BOSE STIPEND FUND.

	Rs.	As.	P.		Rs.	As.	P.
To Expenses during the year	23	8	0	By Balance (as per last a/c.)	1,846	4	7
,, Balance carried to Balance Sheet ...	1,870	4	7	,, Interest on investment	47	8	0
	1,893	12	7		1,893	12	7

THE NATIONAL COUNCIL OF EDUCATION, BENGAL.

SUBSIDIARY FUNDS (*Contd.*)

As on 31*st March*, 1956.

(I) HINDU RELIGIOUS EDUCATION FUND.

	Rs.	As.	P.		Rs.	As.	P.
To Balance carried to Balance Sheet ...	33,317	5	7	By Balance (as per last a/c.)	32,479	13	7
				,, Interest on Investment	837	8	0
	33,317	5	7		33,317	5	7

(J) SRISH CHANDRA BIRPROTAP MEMORIAL FUND.

	Rs.	As.	P.		Rs.	As.	P.
To Expenses during the year ...	20	15	0	By Balance (as per last a/c.)	261	10	6
,, Balance carried to Balance Sheet ...	249	3	6	,, Interest on investment	8	8	0
	270	2	6		270	2	6

(K) SINHA FUND.

	Rs.	As.	P.		Rs.	As.	P.
To Balance carried to Balance Sheet ...	49,659	12	1	By Balance (as per last a/c.)	49,659	12	1
	49,659	12	1		49,659	12	1

(L) MARY K. DAS & TARAK NATH DAS FUND.

	Rs.	As.	P.		Rs.	As.	P.
To Balance carried to Balance Sheet ...	1,071	4	0	By Balance (as per last a/c.)	1,071	4	0
	1,071	4	0		1,071	4	0

THE NATIONAL COUNCIL OF EDUCATION, BENGAL.

SUBSIDIARY FUNDS. (*Contd.*)

As on 31*st March*, 1956.

(M) BIRESWAR DAS GUPTA MEMORIAL FUND.

	Rs.	As.	P.		Rs.	As.	P.
To Balance. Carried to Balance Sheet ...	2,781	8	0	By Balance (as per last a/c.)	2,690	12	0
				,, Interest on Investment	90	12	0
	2,781	8	0		2,781	8	0

(N) P. N. BOSE MEMORIAL FUND.

	Rs.	As.	P.		Rs.	As.	P.
To Expenses during the year	20	15	0	By Balance (as per last a/c.) ...	1,000	0	0
,, Balance. Carried to Balance Sheet	1,000	0	0	,, Interest on loans & overdrafts. ...	20	15	0
	1,020	15	0		1,020	15	0

(O) K. P. DAS GUPTA MEMORIAL FUNDS.

	Rs.	As.	P.		Rs.	As.	P.
To Expenses during the year	20	15	0	By Balance (as per last a/c.)	500	0	0
,, Balance. Carried to Balance Sheet	500	0	0	,, Interest on loans & overdrafts ...	20	15	0
	520	15	0		520	15	0

(P) SUDHAKAR BURMAN MEMORIAL FUND.

	Rs.	As.	P.		Rs.	As.	P.
To Expenses during the year	20	15	0	By Balance (as per last a/c.)	801	0	0
,, Balance. Carried to Balance Sheet	801	0	0	,, Interest on loans & overdrafts ...	20	15	0
	821	15	0		821	15	0

THE NATIONAL COUNCIL OF EDUCATION, BENGAL.

SUBSIDIARY FUNDS (*Contd.*)

As on 31st March, 1956.

(Q) MOHINI MOHAN BOSE ENDOWMENT FUND.

	Rs.	As.	P.		Rs.	As.	P.
By Balance carried to Balance Sheet ...	5,000	0	0	By Balance (as per last a/c)	5,000	0	0
	5,000	0	0		5,000	0	0

(R) S. K. DUTTA MEMORIAL FUND.

	Rs.	As.	P.		Rs.	As.	P.
To Balance Carried to Balance Sheet ...	351	0	0	By Balance (as per last a/c.)	351	0	0
	351	0	0		351	0	0

(S) JYOTI NATH MEMORIAL FUND.

	Rs.	As.	P.		Rs.	As.	P.
To Balance carried to Balance Sheet ...	2,200	0	0	By Balance (as per last a/c.)	2,200	0	0
	2,200	0	0		2,200	0	0

(T) GANGURAM VARMA MEMORIAL SCHOLARSHIP FUND.

	Rs.	As.	P.		Rs.	As.	P.
, , Balance carried to Balance Sheet ...	4,000	0	0	By Grant during the year	4,000	0	0
	4,000	0	0		4,000	0	0

GUPTA & MITRA
Chartered Accountants,

A. B. GUPTA, B.Sc., LL B. (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.

Phone : 23-3846
Windsor House
P-14, MISSON ROW EXTENSION
CALCUTTA
16th October, 1957.

The Registrar,
JADAVPUR UNIVERSITY,
Jadavpur, West Bengal,

Re : **Audit 1956-57.**

Dear Sir,

In submitting herewith the audited Balance Sheet as at 31st March, 1957 together with Income & Expenditure Account for the year ended upon that date, we have to draw your attention to the following :—

1. The starting capital described "As per last account" is in fact part of the capital of the National Council of Education, West Bengal as per its Balance Sheet as at 31-3-1956, transferred to the University after the passing of the Jadavpur University Act. The transfer both of the assets and the liabilities was not complete on the date of the Balance Sheet.

2. Investments worth Rs. 5,52,763-9-6 and liability (Bank-over-draft) Rs. 6,25,462-2-8 were in course of transfer and have since been transferred.

3. Of the Capital Grants received from the Government of India and Government of West Bengal, Rs. 7,95,448-10-3 less advance on Capital Account—Rs. 68,646-4-9, i.e., Rs. 7,26,802-5-6 remained unspent at the end of the year. There was Bank Balance of Rs. 6,49,689-14-5 in different accounts of the University. There is thus a deficit of Rs. 77,112-7-1 on this account.

4. In the absence of separate Bank account for each capital Grant it can not be said out of which particular grant or grants the above deficit of Rs. 77,112-7-1 was spent.

5. There is a total deficit of about Rs. 13,53,077/- which is made up as shown below and Interest of Rs. 45,442-2-5 has been paid during the year.

(a)	Ear-marked Funds : 1,92,653/-		
	Less Securities : 76,081/-	...	1,16,572/-
(b)	Deposit & Unpaid amount ...	..	1,61,858/-
(c)	Liabilities	...	3,72,072/-
(d)	Bank over-draft	...	6,25,462/-
(e)	Balance of Capital Grants ...	...	77,113/-
			13,53,077/-

6. In the Hostel a/c, outstanding Seat rent and other charges for the previous years have also been included as Income. In actual fact, the excess of Income over Expenditure as shown in that account should be reduced by that amount.

Yours faithfully,

GUPTA & MITRA

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES.	Rs.	As.	P.	Rs.	As.	P.
Capital :						
As per last Account ...	6,09,362	5	11			
Add Building & Landed Property donated by Mrs. P. Roy ...	1,93,000	0	0			
				8,02,362	5	11
Add Excess of income over Expenditure carried from Total Revenue Account				64,322	11	11
				8,66,685	1	10
Ear-Marked Prize & Stipend Funds :						
Gopi Kristo Bose Stipend Fund	1,949	8	0			
Dwijendra Memorial Scholarship Fund	50,000	0	0			
Surendranath Ghosh Memorial Fund	21,816	5	1			
Asoke Memorial Prize Fund ...	481	4	5			
Jatindra Krishna Prize Fund ...	831	15	11			
Manilal Chatterjee & other Stipend Fund	3,860	10	0			
Krishtomohon Bose Stipend Fund...	1,870	15	7			
Srish Ch. Bir Protap Memorial Fund	236	12	6			
Sinha Fund	49,659	12	1			
Jyotinath Memorial Fund ...	2,200	0	0			
S. K. Dutt Memorial Fund ...	351	0	0			
Sudhakar Burman Memorial Fund	801	0	0			
K. P. Das Gupta Memorial Fund...	520	15	0			
P. N. Bose Memorial Fund ...	1,000	0	0			
Mohini Mohon Bose Endowment Fund	5,000	0	0			
Mary K. Das & Taraknath Das Fund	1,071	4	0			
Bireswar Dasgupta Memorial Scholarship Fund	2,872	4	0			
Hironmoyee Debi Scholarship Fund	195	0	0			
Aloke Kumar Sarkar Memorial Fund	50	0	0			
Ganguram Varma Memorial Scholarship Fund	4,000	0	0			
Ganesh Janani Debi Memorial Fund	501	0	0			
				1,49,269	10	6
Carried Over ...				10,15,954	12	4

UNIVERSITY

31st March, 1957.

PROPERTY & ASSETS	Rs.	As.	P.	Rs.	As.	P.
Endowments :						
Mrs. P. Roy & Mr. U. N. Roy				1,93,000	0	0
Buildings, Structures & Developments :						
As per last account	19,87,751	3	4			
Less Depreciation @ 2½% ...	49,693	12	4			
	19,38,057	7	0			
Addition During the year :—						
Post Office Building 4,650-13-6						
Strong Room for Rifles for N.C.C. 17-12-9						
Electrical Engineering :—						
High Tension Laboratory Building 10,238- 4-0						
Chemical Engineering Buildings :—						
Additions & Alternations 140- 4-0						
Irongate & Boundary Wall 607- 2-0						
	15,654	4	3			
				19,53,711	11	3
Building for Civil Engineering :						
Expenditure during the year ...				34,115	14	9
Building for N.C.C. Staff Quarters :						
Expenditure during the year ...				25,662	10	9
Building for Hydraulic Laboratory :						
Expenditure during the year ...				36,490	2	3
Building for College of Arts & Science :						
Expenditure during the year ...				2,31,112	6	0
Carried Over ...				24,74,092	13	0

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES.	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				10,15,954	12	4
Other Ear-Marked Funds :						
Alumni Special Funds	2,602	0	6			
Geological Fund (Tata Trust)	1,378	5	9			
Lawn Tennis Fund	247	14	0			
Students Benefit Fund	5	14	0			
Gymnasium Fund	2,081	2	6			
Research Fund (C. S. I. R. & Others)	14,578	12	6			
Research Fund (Soil Testing Govt. of W. B.)	1,872	7	6			
Research Fund (Chem. Engg. Dept.)	803	10	0			
Training of Laboratory Assistants (UNESCO)	23	14	3			
Industrial Tour Fund	66	4	0			
Fund for purchase of Equipment for Mechanical Engineering ...	7,000	0	0			
Contingent Fund	4,701	0	0			
Research Fund (Dr. S. C. Ganguly)	3,508	11	0			
Disposal Stores, Cossipore ...	4,514	4	0			
				43,384	4	0
Deposit and Unpaid Amounts :						
Deposit from Students	39,760	2	0			
Deposit from Hostel Boarders ...	57,980	0	0			
Suspense	619	5	3			
Stipend, Prizes & Scholarships : Govt. & other bodies & Industrial Training Stipend	22,701	8	3			
Educational Stipend	10,545	0	0			
Security Deposit	662	0	0			
Unpaid Amounts	1,048	12	3			
Unpaid West Bengal Government Dearness Allowances	1,481	3	0			
Unpaid Staff Insurance Premium	1,174	4	0			
Provident Fund	4,021	4	0			
National Council of Education ...	21,864	7	5			
				1,61,857	14	2
Carried Over ...				12,21,196	14	6

UNIVERSITY.

31st March, 1957.

PROPERTY & ASSETS.	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				24,74,092	13	0
Building for Library & Reading Room :						
As per last account	15,469	7	6			
Less : Depreciation @ 2½% ...	386	11	9			
	15,082	11	9			
Addition during the year ...	1,05,364	1	3			
				1,20,446	13	0
Electric Installation & Fans :						
As per last account	96,216	5	2			
Less : Depreciation @ 10% ...	9,621	10	2			
	86,594	11	0			
Less : Unserviceable Fans disposed of	86	0	0			
	86,508	11	0			
Add : Addition during the year ...	1,373	8	9			
				87,882	3	9
Gas & Water Connection :						
As per last account	36,398	11	9			
Less Depreciation @ 10% ...	3,639	14	0			
	32,758	13	9			
Add : Addition during the year ...	1,678	15	6			
				34,437	13	3
Furniture :						
(a) For College of Engineering—						
As per last account	1,48,145	1	3			
Less : Depreciation @ 5% ...	7,407	4	0			
	1,40,737	13	3			
Add : Addition during the year ...	5,294	6	9			
				1,46,032	4	0
(b) For Library :—						
Addition during the year ...				99	0	0
Carried Over ...				28,62,990	15	0

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				12,21,196	14	6
Outstanding Liabilities :				3,72,072	10	6
Capital Grant :						
Govt. of India for Equipment for Degree Courses--as per last account— 17,42,000-0-0						
Add Received from University Grants Commission during the year— 2,29,668-0-0						
	19,71,668	0	0			
Govt. of India for Equipment for Post-Graduate Course in Engineering Geology—as per last account	40,000	0	0			
Govt. of India—Euiqpment for Research Development in Chemical Engineering—as per last account...	20,000	0	0			
University Grants Commission —for Equipment for Civil Engineering : Receipts during the year ...	1,00,000	0	0			
University Grants Commission —for Equipment for Research Development for Physics— Receipts during the year ...	50,000	0	0			
University Grants Commission —for Equipment for Research Development for Chemistry— Receipts during the year ...	50,000	0	0			
Carried Over ...	22,31,668	0	0	15,93,269	9	0

UNIVERSITY.

31st March, 1957.

PROPERTY & ASSETS.	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				28,62,990	15	0
Furniture :						
(c) For College of Arts & Science : Addition during the year ...				7,956	13	0
Hostel :						
(a) Land—As per last account ...	3,25,262	3	8			
(b) Building—As per last a/c. 14,63,498- 6-9						
Less Depreciation @ 2½% 36,587- 7-3						
14,26,910-15-6						
Addition during the year— 58- 0-0						
	14,26,968	15	6			
(c) Furniture & Fixture : As per last account— 87,292-11-3						
Less Depreciation @ 5% 4,364-10-0						
	82,928	1	3			
(d) Utensils : As per last account — 876- 0-0						
Less Depreciation @ 20% 175- 3-0						
	700	13	0			
Equipment :				18,35,860	1	5
Power Tools & Accessories— (Blue Earth Workshop)						
As per last account	1,15,825	15	6			
Less Depreciation @ 5% ...	5,791	4	9			
				1,10,034	10	9
Plant & Machineries (Workshop) :						
As per last account	1,02,548	0	9			
Less Depreciation @ 5% ...	5,127	6	3			
				97,420	10	6
Tools & Accessories :						
As per last account	4,333	9	3			
Less Depreciation @ 10% ...	433	5	9			
				3,900	3	6
Carried Over ...				49,18,163	6	2

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES.	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...	22,31,668	0	0	15,93,269	9	0
Capital Grant—*continued.*						
Govt. of India for Equipment for Fundamental Research—Receipts during the year	30,700	0	0			
Govt. of India for construction of Library Building & Reading Room—as per last account— 75,000- 0-0 Receipt from University Grants Commission during the year 58,000- 0-0	1,33,000	0	0			
Govt. of India for Building for existing Degree Course—as per last account— 5,84,715- 0-0 Receipt from University Grant Commission—during the year— 80,000- 0-0	6,64,715	0	0			
University Grants Commission for Building for Civil Engineering—Receipts during the year ...	1,00,000	0	0			
Govt. of India for Building for Recreation Hall-cum-Auditorium —Receipts during the year ...	35,000	0	0			
University Grants Commission for Books on Scientific & Technical Subjects—Receipt during the year	30,000	0	0			
University Grants Commission for Books on Humanities—Receipt during the year	50,000	0	0			
Carried Over ...	32,75,083	0	0	15,93,269	9	0

UNIVERSITY

31st March, 1957.

PROPERTY & ASSETS	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				49,18,163	6	2
Equipment—Mechanical Engineering Department :						
As per last account	5,87,510	10	11			
Less Depreciation @ 5% ...	29,375	8	6			
	5,58,135	2	5			
Addition during the year— (out of Govt. of India grant)...	15,707	4	0	5,73,842	6	5
Equipment—Electrical Engineering Department :						
As per last account	5,31,098	5	7			
Less Depreciation @ 5% ...	26,554	14	9			
	5,04,543	6	10			
Addition during the year : Out of Govt. of India Grant— 1,58,506- 8-0 Out of other Funds— 251-10-6	1,58,758	2	6	6,63,301	9	4
Equipment Chemical Engineering						
As per last account	4,43,744	10	0			
Less Depreciation @ 5% ...	22,187	3	6			
	4,21,557	6	6			
Addition during the year : Out of Govt. of India Grant— 3,350- 0-0 Govt. of West Bengal Grant— 8,404- 5-0	11,754	5	0	4,33,311	11	6
Equipment Chemical Engineering Dehydrating Machine—hire purchase—						
As per last account	9,925	5	0			
Less Depreciation @ 5% on 32,175- 5-0	1,608	12	3			
	8,316	8	9			
Addition during the year :	3,000	0	0	11,316	8	9
Equipment—Physics :						
As per last account	57,514	2	9			
Less Depreciation @ 5% ...	2,875	11	3			
	54,638	7	6			
Addition during the year : (Out of Govt. of India Grant) ...	1,392	5	0	56,030	12	6
Carried Over ...				66,55,966	6	8

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...	32,75,083	0	0	15,93,269	9	0
Capital Grant—*continued.*						
Govt. of India for Text Book on Arts and Science—Receipt during the year	10,000	0	0	32,85,083	0	0
Govt. of West Bengal— Equipment for Chemical Engineering Dept.—As per last account— 4,13,000- 0-0 *Add* Ad hoc Grant received during the year— 10,000- 0-0	4,23,000	0	0			
Equipment for overseer Course —as per last account ...	183	14	3			
Equipment for Research Development in Chemistry— Receipt during the year ...	25,000	0	0			
Equipment for Civil Engineering—Receipt during the year...	50,000	0	0			
Library Building & Reading Room—As per last account— 37,500- 0-0 Receipt during the year— 29,000- 0-0	66,500	0	0			
Building for Chemical Engineering Dept.—As per last account 1,50,000- 0-0 *Add* Ad hoc Grant received during the year—2,51,000- 0-0	4,01,000	0	0			
Equipment for Research Development in Physics—Receipt during the year	25,000	0	0			
Carried Over ...	9,90,683	14	3	48,78,352	9	0

UNIVERSITY.

31st March, 1957.

PROPERTY & ASSETS.	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				66,55,966	6	8
Equipment—Post-Graduate Course in Engineering Geology :						
As per last account	25,800	13	6			
Less Depreciation @ 5% during the year	1,290	0	9			
	24,510	12	9			
Addition during the year ...	13,248	13	0	37,759	9	9
Equipment—Change over to Electric Supply :						
As per last account	43,261	5	6			
Less Depreciation @ 5% ...	2,163	1	0	41,098	4	6
Equipment for College of Arts & Science : (Out of Govt. Grant)						
Physics	6,314	2	0			
Chemistry	17,629	10	0			
Geological Sciences	10,212	9	0	34,156	5	0
Equipment for Research Development in Chemical Engineering : (Out of Govt. of India Grant)						
As per last account	2,482	3	9			
Less Depreciation @ 5% ...	124	1	9			
	2,358	2	0			
Addition during the year ...	16,034	13	0	18,392	15	0
Equipment for Research Development in the Faculty of Science :						
For Physics	10,290	5	0			
For Chemistry	12,006	4	0	22,296	9	0
Carried Over ...				68,09,670	1	11

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES.	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...	9,90,683	14	3	48,78,352	9	0
Capital Grant—*continued.*						
Govt. of West Bengal—*continued.*						
Equipment & Furniture for the College of Arts & Science :						
Receipt during the year ...	1,00,000	0	0			
Buildings for the College of Arts & Science :						
Receipt during the year ...	4,30,000	0	0			
Building for Civil Engineering :						
Receipt during the year ...	50,000	0	0			
Building for the Existing Degree Courses :						
Receipt during the year ...	40,000	0	0			
Building for the National Cadet Officers :						
As per last account—54,600- 0-0						
Receipt during the year ... 63,700- 0-0	1,18,300	0	0			
Books for Post-Graduate Course in Engineering Geology :						
As per last account	2,000	0	0			
				17,30,983	14	3
Carried Over ...				66,09,336	7	3

UNIVERSITY.

31st March, 1957.

PROPERTY & ASSETS.	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				68,09,670	1	11
Equipment for Fundamental Research :						
(Out of Govt. of India Grant)						
For Chemistry	12,306	7	0			
For Physics— 12,894- 7-0						
—do— Advance for Equipment— 2,434- 0-0						
—do— Special Chemicals— 1,931-15-0	17,260	6	0	29,566	13	0
Office Requisites :						
As per last account	9,443	13	3			
Less Depreciation @ 10% ...	944	6	0			
	8,499	7	3			
Addition during the year ...	4,122	1	0	12,621	8	3
Portraits Tablets & Busts :						
As per last account	4,865	15	0			
Less Depreciation @ 10% ...	486	9	6			
	4,379	5	6			
Addition during the year ...	2,552	0	0	6,931	5	6
Academic Robes of the University :						
Addition during the year ...	6,208	11	6	6,208	11	6
Apparatus & Appliances Agricultural Course :						
As per Re-valuation				1,256	0	0
Dairy & Other Sheds Agriculture :						
As per last account	8,646	14	0			
Less Depreciation @ 10% ...	864	11	0	7,782	3	0
Cattle-Stock—Agriculture :						
As per Re-valuation				9,124	0	0
Carried Over ...				68,83,160	11	2

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES.	Rs. As. P.	Rs. As. P.
Brought Forward ...		66,09,336 7 3
Interest—Free Loan :		
Govt. of India for construction of Hostel Buildings :		
As per last account— 14,54,027-12-0		
Less Repayment during the year— 50,100- 8-0	14,03,927 4 0	14,03,927 4 0
Govt. of West Bengal for land for Hostel Site—		
As per last account— 2,77,634- 0-0		
Less Repayment during the year— 10,678- 0-0	2,66,956 0 0	2,66,956 0 0
Carried Over ...		82,80,219 11 3

UNIVERSITY.

31st March, 1957.

PROPERTY & ASSETS.	Rs. As. P.	Rs. As. P.
Brought Forward ...		68,83,160 11 2
Books & Journals :		
As per las account	1,03,956 12 2	
Less Depreciation @ 5% ...	5,197 13 6	
	98,758 14 8	
Addition during the year ...	16,022 7 3	1,14,781 5 11
Books & Journals on Humanities : Addition during the year (Out of Grant from University Grants Commission)		19,316 4 3
Books & Journals on Technical & Scientific Subjects : Addition during the year (Out of Grant from University Grant Commission)		16,275 10 6
Books & Journals on Post-Graduate Course in Engineering Geology (Out of Grant from Govt. of West Bengal)		
As per last account	1,041 1 0	
Less Depreciation @ 5% ...	52 9 0	
	989 0 3	
Addition during the year ...	976 10 0	1,965 10 3
Loans & Advances :		51,477 14 0
Other Advances :		
Advance for Hostel Expenses ...	2,223 4 0	
Advance paid on account of Building Construction ...	3,45,241 10 9	3,47,464 14 9
Stores (as certified)		87,927 10 6
Deposits & Realisable Amount :		
Electric Meters	584 12 6	
Foreign Training Loan Fund ...	321 9 0	
"Tech" Fund	843 6 0	
Blazer Fund...	328 4 0	
Others	2,913 12 0	
Research Scholarship — Govt. of India	480 10 0	5,472 5 6
Carried Over ...		75,27,842 6 10

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				82,80,219	11	3
Grand Total Rs.				82,80,219	11	3

We have audited the above Balance Sheet as at 31st March, 1957 and annexed Income & Expenditure Accounts for the year ended on that date. Subject to our seperate 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.

Dated, Calcutta, the 16th October, 1957.

P-14, Mission Row Extension,
Calcutta.

GUPTA & MITRA
Chartered Accountants,
Auditors.

UNIVERSITY

31st March, 1957.

PROPERTY & ASSETS	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				75,27,842	6	10
Outstanding Receipts :						
Calcutta Corporation Recurring Grant	35,000	0	0			
Golden Jubilee Souvenir Advertisement	800	0	0			
Hostel Messing dues from Boarders	42,225	5	0			
Hostel Seat Rent from Boarders	13,349	0	0			
Hostel light charges from Boarders	1,822	0	0			
Hostel Admission Fee from Boarders	375	0	0			
Hostel—Social charges from Boarders	546	4	0			
Hostel—Union Fee from Boarders	1,530	14	0			
Hostel—Establishment charges from Boarders	1,309	1	0			
Hostel—Canteen charges from Boarders	5,693	13	0			
Hostel—Fine, Breakage, etc., from Boarders	36	1	0	1,02,687	6	0
Cash and Bank Balance :						
With State Bank of India— C.E.T. A/c. No.	10,712	6	2			
Alumni Fund A/c.— As per last account	367	15	3			
Jadavpur University A/c. ...	6,37,381	2	0			
Letter of Credit A/c.	1,228	7	0			
Cash in hand	Nil			6,49,689	14	5
	Grand Total ...			82,80,219	11	3

JADAVPUR

Total Revenue Account for the

EXPENDITURE.	Rs.	As.	P.	Rs.	As.	P.
To Depreciation :						
On Building, Structure & Developement	49,693	12	4			
,, Construction—Electric Installation and Fans ...	9,621	10	2			
,, Construction—Gas & Water Connection	3,639	14	0			
,, College—Furniture ...	7,047	4	0			
,, Hostel—Buildings ...	36,587	7	3			
,, Hostel—Furniture & Fixture	4,364	10	0			
,, Hostel—Utensils	175	3	0			
,, Library Building and Reading Room	386	11	9			
,, Equipment—Power Tools & Accessories (Blue Earth Workshop)	5,791	4	9			
,, Plant & Machineries—Workshop	5,127	6	3			
,, Tools and Accessories ...	433	5	9			
,, Equipment—Mechanical Engg.	29,375	8	6			
,, Equipment—Electrical Engg.	26,554	14	9			
,, Equipment—Chemical Engg.	22,187	3	6			
,, Equipment—Chemical Engg. (Research Developement)	124	1	9			
,, Equipment—Chemical Engg.—Dehydrating Machine—Hire Purchase) ...	1,608	12	3			
,, Equipment-Physics ...	2,875	11	3			
,, Equipment—Post Graduate in Engg. Geology... ...	1,290	0	9			
,, Equipment—Change over to Electric Supply	2,163	1	0			
,, Office Requisites	944	6	0			
,, Portraits & Tablets ...	486	9	6			
,, Dairy and other Sheds—Agriculture ...	864	11	0			
,, Apparatus & Appliances Agriculture	3,458	13	0			
,, Books and Journals ...	5,197	13	6			
,, Books and Journals—Post Graduate in Engg. Geology	52	0	9			
				2,20,412	4	9
Carried Over ...				2,20,412	4	9

UNIVERSITY.

year ended 31st March, 1957.

INCOME	Rs.	As.	P.	Rs.	As.	P.
Ad Hoc Grant from Govt. of West Bengal :						
For meeting the deficit for maintenance of the Chemical Engg. Deptt. upto 31st March, 1956	2,64,000	0	0			
For meeting the deficit on Research Expenses for the Chemical Engineering Deptt. upto 31st March, 1956	30,000	0	0			
				2,94,000	0	0
Receipt for outstanding Agriculture Milk Bill				67	6	0
Income on Re-valuation of Cattle of Agriculture ...				332	0	0
Excess of Income over Expenditure—carried from Hostel Account				62,633	10	3
Carried Over ...				3,57,533	0	3

JADAVPUR

Total Revenue Account for the

EXPENDITURE	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				2,20,412	4	9
To Charges Written Off :						
Advance written off (being unrealisable)	335	0	0			
Unserviceable Stores—written off	280	9	6			
Other unrealisable out-standing charges written off	13,559	6	0			
To Excess of Expenditure over Income carried from summary of Income and Expenditure Account				14,174	15	6
To Balance—Excess of Income over Expenditure carried to Balance Sheet				58,678	0	1
				64,322	11	11
				3,57,588	0	3

UNIVERSITY.

year ended 31st March, 1957.

	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				3,57,588	0	3
				3,57,588	0	3

GUPTA & MITRA,
Chartered Accountants,
Auditors.

JADAVPUR

Summary of Income & Expenditure Account

EXPENDITURE	Rs.	As.	P.	Rs.	As.	P.
To Excess of Expenditure over Income carried from General Account of the University ...	1,30,087	14	6			
To Excess of Expenditure over Income carried from College of Engineering and Technology	2,10,828	2	10			
To Excess of Expenditure over Income carried from Post-Graduate in Engineering Geology	236	14	3			
To Excess of Expenditure over Income carried from College of Arts & Science	98,525	0	6			
				4,39,678	0	1
				4,39,678	0	1

UNIVERSITY

for the year ended 31st March, 1957.

INCOME.	Rs.	As.	P.	Rs.	As.	P.
By Govt. of West Bengal as Recurring Grant for Maintenance of the University ...				3,81,000	0	0
By Excess of Expenditure over Income carried to Total Revenue Account				58,678	0	1
				4,39,678	0	1

GUPTA & MITRA.
Chartered Accountants,
Auditors.

JADAVPUR

Income & Expenditure on General Account

EXPENDITURE.	Rs.	As.	P.	Rs.	As.	P.
Administration :						
Rector	27,500	0	0			
Registrar	15,430	0	0			
Adviser to the Rector... ...	6,872	14	0			
Treasurer	2,750	0	0			
Provost	5,603	14	0			
Provident Fund Contribution ...	3,721	15	0			
				61,878	11	0
Examination :						
Asstt. Controller & Office staff...	7,924	3	0			
Bearers	1,104	0	0			
Examiners' & Paper Setters' Fees	23,655	1	6			
Honorarium to Tabulators & Helpers	4,888	8	0			
Leave, Vacancies & Allowances	55	7	0			
Printing, Postage and Stationery	9,051	13	6			
Contingencies	745	2	0			
				47,424	3	0
Students' Amenities :						
Students Magazine	3,217	13	0			
Physical culture & Sports ...	11,981	12	6			
Physical Instructors (Salary & Allowances)...	4,193	1	0			
Students' Union & Aid ...	3,916	12	0			
Exhibition Expenses	29,979	12	9			
Medical Examination ...	29	0	0			
Interversity Sports Activities ...	3,823	8	9			
Interversity Youth Festival ...	2,462	0	0			
Charity performances in aid of Students Fund	12,979	1	9			
Students' Health Home ...	1,365	0	0			
				73,947	13	9
Carried Over ...				1,83,250	11	9

UNIVERSITY.

for the year ended 31st March, 1957.

INCOME.	Rs.	As.	P.	Rs.	As.	P.
Examination :						
Examination Fee	48,109	0	0			
Registration (University) ...	1,662	0	0			
Marksheet & Transcript ...	1,907	7	0			
Scrutiny Fee for Answer cripts						
Special Degree Exam. Fee ...	310	0	0			
Sale of Question Paper and Waste Paper...	500	0	0			
	365	11	0			
				52,854	2	0
Students' Amenities :						
Session Fee	15,065	0	0			
Medical Examination Fee ...	1,255	0	0			
Students' Health Home Fee ...	665	0	0			
Income of Charity performances in aid of Students fund...	9,404	0	0			
Grant from Govt. of India for Inter-Versity Youth Festival ...	1,161	4	0			
Exhibition Income	7,759	14	6			
				35,310	2	6
Interest & Dividend Rent from Building (Southern Avenue)				13,898	12	0
Donations and Contributions				2,596	8	0
Miscellaneous Receipts :				25	0	0
Hire Charges of Academic Robes...	770	0	0			
Other Contingent Receipts ...	1,794	10	9			
				2,564	10	9
Other Examinations :						
Corporation Apprentices Examination fee	239	8	0			
Special Diploma Examination Fee...	500	0	0			
Marksheet Fee—Diploma & Overseer	14	0	0			
				753	8	0
Carried Over ...				1,08,002	11	3

JADAVPUR

Income & Expenditure on General Account

EXPENDITURE	Rs. As. P.	Rs. As. P.
Brought Forward ...		1,83,250 11 9
Library :		
Staff—Salary and allowances ...	9,726 0 0	
Bearers— Do. ...	3,135 6 0	
Leave, Vacancies & Allowances	1,254 12 0	
Newspaper & Periodicals ...	534 3 0	
Binding Charges	1,994 14 0	
Printing, Stationery & Contingencies	761 11 9	
		17,406 14 9
Application Fee :		
Interversity Application Fee ...	1,250 0 0	
Membership Fee—Commonwealth Association	805 1 0	
		2,055 1 0
Annuity under Endowment :—		7,506 0 0
Convocation Expenses :—		15,668 8 0
Medical Staff (Allowances) :—		2,750 0 0
Office Staff (Salary & Allowances) :—		6,399 5 0
Expenses on Building (Southern Avenue) :—		1,982 5 6
Other Examination Expenses :		
Corporation Apprentices ...	891 8 0	
M. S. Course	125 4 0	
Diploma, Overseer, etc. ...	54 15 9	
		1,071 11 9
Total ...		2,38,090 9 9

UNIVERSITY

for the year ended 31st March, 1957.

INCOME.	Rs. As. P.	Rs. As. P.
Brought Forward ...		1,08,002 11 3
By Excess of Expenditure ove Income carried to Summary of Income and Expenditure Account		1,30,087 14 0
Total ...		2,38,090 9 9

GUPTA & MITRA
Chartered Accountants,
Auditors.

JADAVPUR
COLLEGE OF ENGINEERING &
Income and Expenditure Account for the Degree Courses in "Mech.,

EXPENDITURE.	Rs.	As.	P.	Rs.	As.	P.
Administration :						
Principal--(Salary & Allowances)	1,860	0	0			
Dean of the Faculty of Engineering & Technology (Allowances)	1,359	11	0			
				3,219	11	0
Mechanical Engineering Deptt. :						
Teaching Staff (Salary & Allowances)	2,00,728	10	0			
Laboratory Asst. & Stores Asst. —(Salary & Allowances) ...	3,432	12	0			
Mistries, Helpers & Bearers (Salary & Allowances) :						
Laboratory	7,583	12	0			
Workshop	40,531	14	0			
Provident Fund Contribution ...	17,820	11	0			
Leave, vacancies & allowances...	13,571	9	0			
Laboratory Teaching Expenses...	2,831	0	9			
Workshop Teaching Expenses ...	7,511	12	9			
Power (Staff & Stores) ...	8,244	15	3			
Repairs & Maintenance :						
Furniture & Equipment	4,183	1	9			
Building	2,578	1	0			
Contingencies :						
Laboratory	310	11	6			
Workshop	1,122	14	0			
				3,10,451	13	0
Carried Over ...				3,13,671	8	0

UNIVERSITY
TECHNOLOY, BENGAL.
Elec. & Chem. Engineering" for the year ended 31st March, 1957.

INCOME.	Rs.	As.	P.	Rs.	As.	P
Fees from Students :						
Tuition Fee (Mech. & Elec. Engineering)	1,02,108	0	0			
Tuition Fee (Chemical Engineering)	93,330	0	0			
Tuition Fee (Civil Engineering)...	3,060	0	0			
				1,44,498	0	0
Rents & Conservancy :						
Staff Quarters & other Building	10,315	9	0			
Subordinate Staff Quarters ...	3,093	0	0			
Staff Quarters (Puddapukur) ...	2,440	3	3			
				15,848	12	3
Subvention from Govt. of West Bengal for Dearness Allowances				32,589	14	0
Other Receipts :						
Breakage & Fine	3,521	1	0			
Admission Fee	5,724	0	0			
Sale proceeds of Prospectus ...	2,098	2	0			
Registration (Admission) ...	19,930	0	0			
				31,273	3	0
Recurring Grant :						
University Grants Commission for Maintenance of Degree Courses	5,98,000	0	0			
Govt. of West Bengal for additional staff on Chemical Engineering	70,000	0	0			
Corporation of Calcutta	20,000	0	0			
				6,88,000	0	0
				9,12,209	13	3

JADAVPUR
COLLEGE OF ENGINEERING &
Income & Expenditure Account for the Degree Courses in "Mech.,

EXPENDITURE	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				3,13,671	8	0
Electrical Engg. Dept. :						
Teaching Staff (Salary & Allowances)...	1,01,313	6	0			
Laboratory Asst. (Salary & Allowances)...	1,888	0	0			
Mistries, Helpers & Bearers— (Salary & Allowances) ...	12,726	5	0			
Provident Fund (Contribution)	7,976	14	0			
Leave, Vacancies & Allowances	10,768	1	0			
Excursion Expenses	575	2	6			
Laboratory Teaching Expenses on Materials	7,729	1	0			
Repairs & Maintenance :						
Furniture & Equipment	286	9	0			
Buildings	2,927	10	0			
Conveyance Charges for Experts	3,361	0	0			
Contingencies	561	8	0			
				1,50,113	8	6
Chemical Engg. Dept. :						
Teaching Staff (Salary & Allowances) ...	1,23,776	3	0			
Laboratory & Store Asst. (Salary & Allowances) ...	4,392	15	0			
Mistries, Helpers & Bearers (Salary and Allowances) ...	14,748	11	0			
Provident Fund Contribution	9,806	2	0			
Leave, Vacancies and Allowances	10,174	3	0			
Laboratory Teaching Expenses on Materials	20,599	11	3			
Power (Staff & Stores) ..	8,244	15	3			
Excursion Expenses	1,345	8	9			
Repairs & Maintenance :						
Furniture & Equipment ...	1,236	13	3			
Gas & Water connection ...	159	6	6			
Buildings	1,527	4	6			
Contingencies	1,609	0	6			
				1,97,410	14	0
Carried Over ...				6,61,195	14	6

UNIVERSITY.
TECHNOLOGY, BENGAL.
Elec. & Chem. Engineering" for the year ended 31st March, 1957—Contd.

INCOME	Rs.	As.	P.	Rs.	As.	P.
Brought forward ...				9,12,209	13	3
Carried Over ...				9,12,209	13	3

JADAVPUR
COLLEGE OF ENGINEERING &
Income & Expenditure Account for the Degree Courses in "Mech.,

EXPENDITURE.	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				6,61,195	4	6
Physics :						
Teaching Staff (Salary & Allowances)	22,406	2	0			
Laboratory Asst. (Salary & Allowances)	1,984	0	0			
Bearer (Salary & Allowances) ...	2,715	1	0			
Provident Fund Contribution ...	1,890	11	0			
Leave, Vacancies & Allowances	1	11	0			
Laboratory Teaching Expenses on Materials	762	13	3			
Repairs & Maintenance :						
Furniture & Equipment ...	305	0	0			
Buildings	1,855	7	0			
Contingencies	106	1	6			
				32,026	14	9
Mathematics :						
Teaching Staff (Salary & Allowances)	23,436	13	0			
Provident Fund Contribution ...	1,248	9	0			
				24,685	6	0
Humanities :						
Teaching Staff (Salary & Allowances)	7,653	15	0			
Provident Fund Contribution ...	264	4	0			
Contingencies	109	2	6			
				8,027	5	6
National Cadet Training :						
Honorarium to Cadet Officers...	1,750	0	0			
Amenities to Cadets	2,751	4	0			
				4,501	4	0
Annual Prizes & Scholarships :				2,035	0	0
Gratuity to Retiring Staff :				27,900	10	0
Training of Corporation Trainees :				5,642	11	0
Carried Over ...				7,66,104	7	9

UNIVERSITY.
TECHNOLOGY, BENGAL.
Elec. & Chem. Engineering" for the year ended 31st March, 1957.—Contd.

INCOME.	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				9,12,209	13	3
Carried Over ...				9,12,209	13	3

JADAVPUR
COLLEGE OF ENGINEERING &
Income & Expenditure Account for the Degree Courses in "Mech.,

EXPENDITURE.	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				7,66,014	7	9
Dearness Allowances—Govt. of West Bengal...				32,589	14	0
Other Teaching Expenses :						
Advertisement & Publicity ...	3,114	14	0			
Printing of Prospectus ...	1,749	5	0			
Deputation Arrangement ...	757	11	9			
				5,621	14	9
Office Expenses :						
Office Staff (Salary & Allowances)	54,605	13	0			
Darwans, Sweepers, Malees & Bearers—(Salary & Allowances)	51,502	9	0			
Leave, Vacancies & Allowances	2,000	0	0			
Contingent Expenses	208	8	0			
				1,08,316	14	0
Other Establishment :						
General Maintenance Staff—(Salary & Allowances) ...	29,745	0	0			
Electrical Installation Maintenance Staff—(Salary & Allowances)	13,041	8	0			
Construction Maintenance Staff —(Salary & Allowances) ...	4,070	0	0			
Play Ground Maintenance Staff (Salary & Allowances) ...	3,144	3	0			
Leave, Vacancies & Allowances	261	2	0			
				50,261	13	0
Provident Fund Contribution :				11,349	12	0
General Repairs & Maintenance :						
Main & other Buildings ...	11,311	11	3			
Road	708	14	9			
Sanitary Arrangement ...	439	13	9			
Gas & Water Connection ...	805	4	3			
Electric Installation	6,171	12	9			
Office & General Furniture and Requisites	4,437	13	0			
				23,875	5	9
Rents & Taxes on Staff Quarters —Puddapukur				2,556	13	0
				10,00,586	14	3

UNIVERSITY.
TECHNOLOGY, BENGAL.
Elec. & Chem. Engineering" for the year ended 31st March, 1957—Contd.

INCOME	Rs.	As.	P.	Rs.	As.	P.
Brought forward ...				9,12,209	13	3
Carried Over ...				9,12,209	13	3

JADAVPUR
COLLEGE OF ENGINEERING &
TECHNOLOGY, BENGAL.

Income & Expenditure Account for the Degree Courses in "Mech., Elec. & Chem. Engineering" for the year ended 31st March, 1957.—Contd.

	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				10,00,586	14	3
To Other Expenses :						
Admission Expenses	3,266	13	9			
Rents & Taxes	6,738	5	0			
Interest on Loans, Deposits and Overdrafts	45,442	2	5			
Telephone	1,651	8	6			
Electricity	14,977	5	0			
Legal, Audit & Bank Charges ...	2,674	6	6			
Insurance Premium	3,419	0	0			
Travelling Expenses	862	2	0			
Printing, Postage & Stationery...	15,417	4	3			
General Contingencies ...	11,364	8	8			
To Excess of Expenditure over Income carried from Income & Expenditure Account on Research Scheme (Chemical & Electrical Engineering) ...				1,05,813	8	1
				16,637	0	0
				11,23,038	0	1

INCOME.	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				9,12,209	13	3
By Excess of Expenditure over Income carried to Summary of Income & Expenditure Account				2,10,828	2	10
				11,23,038	0	1

GUPTA & MITRA.
Chartered Accountants,
Auditors.

JADAVPUR UNIVERSITY.
COLLEGE OF ARTS AND SCIENCE.
Income & Expenditure Account for the year ended 31st March, 1957.

EXPENDITURE	Rs.	As.	P.	Rs.	As.	P.
To Administration :						
Dean of the College of Arts—Salary and Allowances ...	7,932	11	0			
Provident Fund Contribution ...	634	0	0			
				8,566	11	0
Department of Bengali : Teaching Staff (Salary & Allowances)				12,194	0	0
Department of Comparative Literature : Teaching Staff (Salary & Allowances)				13,681	15	0
Department of English : Teaching Staff (Salary & Allowances)				10,945	12	0
Department of Economics : Teaching Staff (Salary & Allowances)				13,268	7	0
Department of History : Teaching Staff (Salary & Allowances)				10,238	2	0
Department of International Affairs : Teaching Staff (Salary & Allowances)				6,662	7	0
Department of Philosophy : Teaching Staff (Salary & Allowances)				3,592	5	0
Department of Sanskrit : Teaching Staff (Salary & Allowances)				5,313	11	0
Carried Over ...				84,463	6	0

INCOME.	Rs.	As.	P.	Rs.	As.	P.
Fees from Students—Tuition Fee				32,348	0	0
Other Receipts—Admission Fee				5,604	0	0
Recurring Grant—Govt. of West Bengal				66,000	0	0
Carried Over ...				1,03,952	0	0

JADAVPUR
COLLEGE OF ARTS
Income & Expenditure Account for

EXPENDITURE.	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				48,463	6	0
Department of Physics :						
Teaching Staff (Salary & Allowances)...						
Bearers (Salary & Allowances)...	21,437	8	0			
Provident Fund Contribution ...	849	0	0			
Leave, Vacancies & Allowances	434	8	0			
Laboratory Teaching Expenses	41	6	0			
Contingencies	1,013	1	9			
	152	2	6			
				23,927	10	3
Department of Chemistry :						
Teaching Staff (Salary & Allowances)...						
Laboratory Asst. (Salary & Allowances)...	29,911	15	0			
Bearers (Salary & Allowances)	612	8	0			
Provident Fund Contribution...	973	7	0			
Laboratory Teaching Expenses	1,330	7	0			
Contingencies	16,257	12	9			
	48	1	0			
				49,134	2	9
Department of Mathematics :						
Teaching Staff (Salary & Allowances)...						
Department of Geological Sciences						
Teaching Staff (Salary & Allowances)						
Laboratory Asst. (Salary & Allowances)...	8,820	2	0			
Bearers (Salary & Allowances)...	567	0	0			
Provident Fund Contribution ...	395	5	0			
Laboratory Teaching Expenses...	217	1	0			
Field Work Expenses... ...	231	6	0			
Contingencies...	1,023	14	9			
	162	13	9			
				11,417	10	6
Carried over ...				1,81,527	11	6

UNIVERSITY
AND SCIENCE
the year ended 31st March 1957—(Continued)

INCOME.	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				1,03,952	0	0
Carried over ...				1,03,952	0	0

JADAVPUR
COLLEGE OF ARTS
Income and Expenditure Account for

EXPENDITURE.	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...				1,81,527	11	6
To Office Expenses :						
Office Staff (Salary & Allowances)	793	11	0			
Bearers (Salary & Allowances)	2,102	2	0			
Leave, Vacancies & Allowances	1	11	0			
Contingencies & Stationery ...	632	11	6			
				3,530	3	6
,, **Electricity Charges :**				2,200	0	0
,, Excess of Expenditure on Research on the Faculty of Science carried down ...				15,219	1	6
				2,02,477	0	6

UNIVERSITY.
AND SCIENCE
the year ended 31st March, 1957—(Continued).

INCOME	Rs.	As.	P.	Rs.	As.	P.
Brought forward ...				1,03,952	0	0
By Excess of Expenditure over Income carried to Summary of Income & Expenditure Account...				98,525	0	6
Carried Over ...				2,02,477	0	6

GUPTA & MITRA.
Chartered Accountants,
Auditors.

JADAVPUR

Income & Expenditure Account on Hostel

EXPENDITURE	Rs.	As.	P.	Rs.	As.	P.
To Staff (Salary & Allowances)	12,212	6	0			
,, Rents & Taxes	1,947	3	0			
,, Telephone	374	3	0			
,, Electricity Charges ...	13,541	0	9			
,, Social Charges	1,951	1	0			
,, Canteen Charges	67	6	3			
,, Union Expenses	1,610	0	9			
,, Establishment Charges ...	2,449	8	0			
,, Repairs & Maintenance:						
Furniture & Fixture ...	255	1	9			
Sanitary & Electric Installation	515	13	9			
Building & Sites	4,294	3	3			
Contingencies...	638	15	0			
To Excess of Income over Expenditure carried to Total Revenue Account				39,856	14	6
				62,688	10	3
				1,02,545	8	9

UNIVERSITY

for the year ended 31st March, 1957.

INCOME.	Rs.	As.	P.	Rs.	As.	P.
By Seat Rent From Boarders ...	78,540	11	0			
,, Admission Fee	3,315	0	0			
,, Electricity Charges	9,028	2	9			
,, Fines & Sale of Receipt Books	4,201	9	0			
,, Union Fee	4,306	4	0			
,, Establishment Charges ...	3,153	14	0			
				1,02,545	8	9
				1,02,545	8	9

N.B. :—The income includes a sum of Rs. 18,422/- which was outstanding at the end of the year.

GUPTA & MITRA,
Chartered Accountants,
Auditors.

JADAVPUR UNIVERSITY.

FACULTY OF SCIENCE

Income and Expenditure Account on "Research Scheme" for the year ended 31st March, 1957.

EXPENDITURE.	Rs.	As.	P.	Rs.	As.	P.
To Research Expenses :						
Physics :						
Research Scholar	1,115	0	0			
Other Expenses	14,661	10	0			
				15,776	10	0
Chemistry :						
Research Scholar				325	13	0
Research Expenses : Kumar P. N. Roy Charitable Trust—						
Physics—Research Scholar				600	0	0
Research Scheme For Physics (Dr. S. C. Ganguly)—						
Research Assistant	900	0	0			
Equipment	141	5	0			
				1,041	5	0
				17,743	12	0
To Balance Brought down ...				11,710	6	6
To Unspent balance of grant on the Scheme of Dr. S. C. Ganguly—				3,508	11	0
				15,219	1	6

INCOME.	Rs.	As.	P.	Rs.	As.	P.
By Kumar P. N. Roy Charitable Trust :						
Income from rent of donated Buildings at Alipore				1,483	5	6
By Grant from Govt. of West Bengal :						
Research Scheme of Dr. S. C. Ganguly—						
Research Assitant	1,050	0	0			
Equipment	3,500	0	0			
				4,550	0	0
By Balance carried down—				11,710	6	6
				17,743	12	0
By Excess of Expenditure over Income for Research in Physics transferred to Income and Expenditure Account for College of Arts and Science				15,219	1	6
				15,219	1	6

GUPTA & MITRA,
Chartered Accountants,
Auditors.

JADAVPUR
COLLEGE OF ENGINEERING
Income & Expenditure Account on "Research

EXPENDITURE	Rs.	As.	P.	Rs.	As.	P.
Chemical Engineering—Research Expenses				23,501	14	6
Electrical Engineering—Research Expenses				835	7	3
Schemes of Council of Scientific & Industrial Research :						
(a) Research Scheme on Combustion of Pulverised Coal :						
(i) Staff 3,120-0-0						
(ii) Contingencies 455-8-7	3,575	8	7			
(b) Research Scheme on Investigation of Varatrum Alkaloids :						
(i) Staff 4,573-1-0						
(ii) Contingencies 766-0-9	5,339	1	9			
(c) Research Scheme on Reaction of Calcium Carbonate :						
(i) Staff 3,090- 0- 0						
(ii) Equipment 161- 7- 0						
(iii) Contingencies 412-11-10	3,664	2	10			
(d) Research Scheme on A.C. Stabiliser with pure sinusoidal voltage out-put :						
(i) Staff 3,090- 0- 0						
(ii) Contingencies 1,206- 6- 7	4,296	6	7			
(e) Research Scheme on Pressure Leaching of Copper Ores :						
(i) Staff 3,130- 0- 0						
(ii) Equipment 65-11- 0						
(iii) Contingencies 255-15- 6	3,451	10	6			
(f) Research Scheme on Determination of heat resistance :						
(i) Staff 3,060- 0- 0						
(ii) Contingencies 1,019- 9-11	4,079	9	11			
(g) Research Scheme on Testing of Indigeneous Materials :						
(i) Contingencies 47- 1- 0	47	1	0			
Carried over ...	24,453	9	2	24,337	5	9

UNIVERSITY
& TECHNOLOGY, BENGAL.
Schemes" for the year ended 31st March, 1957.

INCOME.	Rs.	As.	P.	Rs.	As.	P.
By Govt. of West Bengal Grant for Research Expenses for the Chemical Engineering Department				5,000	0	0
By Research Scholarship from firms				2,700	0	0
By Council of Scientific & Industrial Research :-						
(a) Research Scheme on Combustion of Pulverised Coal :						
(i) Staff 3,060- 0- 0						
(ii) Equipment 499- 6- 0						
(iii) Contingencies 602-15- 0	4,162	5	0			
(b) Research Scheme on Investigation of Varatrum Alkaloids :						
(i) Staff 4,772- 0- 0						
(ii) Contingencies 863- 1- 0	5,635	1	0			
(c) Research Scheme on Reaction of Calcium Carbonate :						
(i) Staff 3,098- 4- 0						
(ii) Equipment 2,000- 0- 0						
(iii) Contingencies 906- 8- 0	6,004	12	0			
(d) Research Scheme on A.C. Stabiliser with pure sinusoidal voltage out-put :						
(i) Staff 3,090- 0- 0						
(ii) Contingencies 1,385- 7- 0	4,475	7	0			
(e) Research Scheme on Pressure Leaching of Copper Ores :						
(i) Staff 3,021-11- 0						
(ii) Contingencies 607- 9- 0	3,629	4	0			
(f) Research Scheme on Determination of Heat Resistance :						
(i) Staff 3,067-14- 0						
(ii) Contingencies 771-14- 0	3,839	12	0			
(g) Research Scheme on Varietal Suitability :						
(i) Staff 2,443- 0- 0						
(ii) Contingencies 1,000- 0- 0	3,443	0	0			
Carried over ...	31,189	9	0	7,700	0	0

JADAVPUR
COLLEGE OF ENGINEERING &
Income & Expenditure Account on "Research

EXPENDITURE.	Rs.	As.	P.	Rs.	As.	P.
Brought Forward ...	24,453	9	2	24,337	5	9
(h) Research Scheme on Varietal Suitability :						
(i) Staff 2,443- 0- 0						
(ii) Contingencies 943-13- 0						
	3,386	13	6			
(i) Research Scheme on Mercaptans as Modifiers :						
(i) Staff 2,176- 0- 0						
(ii) Equipment 2,716,-10-0						
(iii) Contingencies 764- 3- 6						
	5,656	13	6			
(j) Research Scheme on Studies of Ribofalavin : Contingencies	12	9	0			
(k) Research Scheme on Design of Transductors :						
(i) Staff 2,031-13- 0						
(ii) Contingencies 388- 5- 4						
	2,420	2	4			
(l) Research Scheme on Processing Conditions of Indian Vegetables	5	2	0			
Indian Council of Agricultural Research :				35,935	1	6
Research Scheme on Investigation on the method of Processing of Inedible or unpopular fish caught in West Bengal :						
(i) Staff	5,883	6	0			
(ii) Chemical & Laboratory Wares	1,347	6	3			
(iii) Contingencies (including fish)	1,308	0	0			
				8,538	12	3
Carried over ...				68,811	3	6

UNIVERSITY.
TECHNOLOGY, BENGAL.
Schemes" for the year ended 31st March, 1957

INCOME	Rs.	As.	P.	Rs.	As.	P.
Brought forward ...	31,189	9	0	7,700	0	0
By—						
(h) Research Scheme on Mercaptans as Modifiers :						
(i) Staff 2,176- 0- 0						
(ii) Equipment 3,000- 0- 0						
(iii) Contingencies 1,000- 0- 0	6,176	0	0			
(i) Research Scheme on Studies of Ribofalavin :						
(i) Staff 600- 0- 0						
(ii) Contingencies 300- 0- 0	900	0	0			
(j) Research Scheme on Transpost of Fruits & Vegetables :						
(i) Staff 1,200- 0- 0						
(ii) Equipment 1,500- 0- 0						
(iii) Contingencies 500- 0- 0	3,200	0	0			
(k) Research Scheme on Design or Transductors :						
(i) Staff 2,031-13- 0						
(ii) Contingencies 1,000- 0- 0	3,031	0	0	44,497	6	0
By Indian Council of Agricultural Research : Scheme on Investigation on the method of processing of Inedible or unpopular fish caught in West Bengal :						
(i) Staff—	4,720	0	0			
(ii) Chemical & Laboratory Wares—	1,500	0	0			
(iii) Contingencies (including fish)—	2,526	9	6			
				8,746	9	6
By Balance Carried down				7,867	4	0
Carried over ...				68,811	3	6

JADAVPUR
COLLEGE OF ENGINEERING
Income & Expenditure Account on "Research

CAPITAL & LIABILITIES.	Rs.	As. P.	Rs.	As. P.
Brought Forward ...			68,811	3 6
To Balance brought down—				
To Unspent Balance of the C.S.I.R. & other Research fund to Balance Sheet ...			7,867	4 0
			14,578	12 6
			22,446	0 6

UNIVERSITY
& TECHNOLOGY, BENGAL.
Schemes" for the year ended 31st March, 1957—(Continued)

PROPERTY & ASSETS.	Rs.	As. P	Rs.	As. P.
Brought Forward ...			68,811	3 6
By Research Fund (C. S. I. R. & others)— As per last Account—			5,808	6 9
By Excess of Expenditure over Income on Research Schemes of Chemical & Electrical Engineering carried to Income & Expenditure Account for College of Engineering & Technology—Degree Courses			16,637	9 9
			22,446	0 6

GUPTA & MITRA,
Chartered Accountants,
Auditors.

JADAVPUR
COLLEGE OF ENGINEERING
Income and Expenditure Account for "Post Graduate

EXPENDITURE.	Rs.	As.	P.	Rs.	As.	P.
To Post Graduate Course In Engineering Geology :						
Staff—Salary & Allowances	14,017	9	0			
Teaching Expenses	802	4	9			
Excursion Expenses	1,796	3	9			
Stipend	900	0	0			
				17,516	1	6
				17,516	1	6
To Balance brought down ...				530	1	6
				530	1	6

UNIVERSITY.
& TECHNOLOGY, BENGAL
Course in Engineering Geology" for the year ended 31st March, 1957.

INCOME.	Rs.	As.	P.	Rs.	As.	P.
By Post Graduate in Engineering Geology :						
Fees from Students—Tuition Fee				2,508	0	0
,, Grants from Govt. of West Bengal				14,478	0	0
,, Balance carried down				530	1	6
				17,516	1	6
By Balance carried from Balance Sheet (As per last account) ...				293	3	3
,, Excess of Expenditure over Income carried to Summary of Income & Expenditure Account				236	14	3
				530	1	6

GUPTA & MITRA,
Chartered Accountants,
Auditors.

JADAVPUR UNIVERSITY

Statement of Expenditure out of Non-recurring Grant received from Govt. of India, University Grants Commission & Govt. of West Bengal upto 31st March, 1957.

Purpose of Grant	Total Grant Received upto 31st March, 1957.			Progressive total expenditure upto 31st March 1956.	Actual Expenditure during the year 1956-57.	Progressive total Expenditure upto 31st March, 1957.	Unspent Balance in hand, as on 1-4-1957.	Remark.
	Govt. of India	Govt. of West Bengal.	Total					
1	2	3	4 (2+3)	5	6	7 (5+6)	8 (4—7)	9
	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P. (a)	(a)
1. ENGINEERING & TECHNOLOGY :								
(i) Purchase of Equipment for the existing Degree Courses ...	19,71,668 0 0	*Nil*	19,71,668 0 0	18,47,670 6 3	1,69,284 7 0	20,16,954 13 3	12,350 0 0	For purchasing additional equipment for Food Technology Laboratory of Chemical Engineering.
(ii) Purchase of Equipment for Post Graduate Course in Engineering Geology	40,000 0 0	*Nil*	40,000 0 0	26,119 0 0	13,248 13 0	39,367 13 0	632 3 0	
(iii) Purchase of Equipment for Development of Research in Chemical Engineering	20,000 0 0	*Nil*	20,000 0 0	2,482 3 9	16,034 13 0	18,517 0 9	1,482 15 3	
(iv) Purchase of Equipment for Civil Engineering	1,00,000 0 0	50,000 0 0	1,50,000 0 0	*Nil*	*Nil*	*Nil*	1,50,000 0 0	
(v) Purchase of Equipment for Chemical Engineering	*Nil*	63,000 0 0	63,000 0 0	28,279 1 9	8,404 5 0	36,683 6 9	26,316 9 3	
(vi) Purchase of Books for Post-Graduate Course in Engineering Geology	*Nil*	2,000 0 0	2,000 0 0	1,031 1 9	976 10 0	2,017 11 0	*Nil*	
(vii) Building for Civil Engineering ...	1,00,000 0	50,000 0 0	1,50,000 0 0	*Nil*	34,115 14 9	34,115 14 9	1,15,884 1 3	
(viii) Additional accomodation for the existing Degree Courses in Engineering	80,000 0	40,000 0 0	1,20,000 0 0	*Nil*	36,490 2 3	36,490 2 3	83,509 13 9	
2. SCIENTIFIC EDUCATION & RESEARCH								
(i) Purchase of Equipment for Research Development in Physics ...	50,000 0	25,000 0 0	75,000 0 0	*Nil*	10,290 5 0	10,290 5 0	64,709 11 0	
(ii) Purchase of Equipment for Research Development in Chemistry	50,000 0 0	25,000 0 0	75,000 0 0	*Nil*	12,006 4 0	12,006 4 0	62,993 12 1	
(iii) Purchase of Books & Journals on Scientific & Technical subjects ...	30,000 0	*Nil*	30,000 0 0	*Nil*	16,275 10 6	16,275 10 6 (b)	13,724 5 6	(b) A sum of Rs. 16,022-7-3 has been spent out of other sources than the Grant from University Grant Commission.
(iv) Purchase of Equipment for Fundamental Research to Individual workers	30,700 0	*Nil*	30,700 0 0	*Nil*	29,566 13 0	29,566 13 0	1,133 3 0	
(v) Building for the College of Arts & Science	*Nil*	4,30,000 0 0	4,30,000 0 0	*Nil*	3,31,112 6 0	3,31,112 6 0	98,887 10 0	
(vi) Purchase of Furniture & Equipment for the College of Arts & Science	*Nil*	1,00,000 0 0	1,00,000 0 0	*Nil*	42,113 2 0	42,113 2 0	57,886 14 0	
(vii) Purchase of Text Books for the College of Arts & Science ...	10,000 0 0	*Nil*	10,000 0 0	*Nil*	*Nil*	*Nil*	10,000 0 0	
3. HUMANITIES :								
(i) Building for Library & Reading Room	1,33,000 0 0	66,500 0 0	1,99,500 0 0	45,469 7 6	1,05,364 1 3	1,50,833 8 9	48,666 7 3	
(ii) Purchase of Books & Journals on Humanities	50,000 0 0	*Nil*	50,000 0 0	*Nil*	19,316 4 3	19,316 4 3	30,683 11 9	
4. GENERAL :								
(i) Building for National Cadet Officers' Quarters	*Nil*	1,18,300 0 0	1,18,300 0 0	*Nil*	89,362 10 9	89,362 10 9	28,937 5 3	
(ii) Building for Recreation Hall-cum-Auditorium	35,000 0 0	*Nil*	35,000 0 0	*Nil*	38,813 0 0	38,813 0 0	*Nil*	
	27,00,368 0 0	9,69,800 0 0	36,70,168 0 0	19,51,061 4 3	9,72,775 9 9	29,23,836 14 0	8,07,798 10 3	

N. B.—An amount of Rs. 61,467-8-3p has been spent in excess over the Govt. Grant as mentioned above.

Examined the above figures from the Books and found the same in accordance therewith. Certified that the expenditure has been incurred for the purpose for which the Grants were sanctioned except that Rs. 77,112-7-1p. has been advanced to the General Fund and that otherwise the terms and conditions mentioned in the sanction have been fulfilled.

Dated the 16th October, 1957.
P-14, Mission Row Extension,
Calcutta.

GUPTA & MITRA,
Chartered Accountants,
Auditors.

JADAVPUR UNIVERSITY

SUBSIDIARY FUNDS

As on 31st March, 1957.

(A) GOPI KRISTO BOSE STIPEND FUND

	Rs. As. P.		Rs. As. P.
Balance Carried to Balance Sheet ...	1,949 8 0	By Balance (as per last a/c.)	1,902 0 0
		,, Interest on investment	47 8 0
	1,949 8 0		1,949 8 0

(B) DWIJENDRA MEMORIAL SCHOLARSHIP FUND

	Rs. As. P.		Rs. As. P.
Expenses during the year	1,600 0 0	By Balance (as per last a/c.)	50,000 0 0
Balance Carried to Balance Sheet ...	50,000 0 0	,, Interest on investment	294 0 0
		,, Interest on Loans & Overdraft ...	1,306 0 0
	51,600 0 0		51,600 0 0

(C) SURENDRA NATH GHOSH MEMORIAL FUND

	Rs. As. P.		Rs. As. P.
payment of loan to Sri Rabindra Nath Bhowal	900 0 0	By Balance (as per last a/c.)	22,009 13 1
Balance Carried to Balance Sheet ...	21,816 5 1	Interest on investment	696 8 0
		Fee for applications...	10 0 0
	22,716 5 1		22,716 5 1

(D) ASOKE MEMORIAL PRIZE FUND

	Rs. As. P.		Rs. As. P.
Expenses during the year	70 2 0	By Balance (as per last a/c.)	481 4 4
Balance Carried to Balance Sheet ...	481 4 4	,, Interest on investment	20 9 0
		,, Other expenses General Contingencies	49 9 0
	551 6 4		551 6 4

(E) JATINDRA KRISHNA PRIZE FUND

	Rs. As. P.		Rs. As. P.
Expenses during the year	70 2 0	By Balance (as per last a/c.)	878 6 11
Balance Carried to Balance Sheet ...	831 15 11	,, Interest on investment	23 11 0
	902 1 11		902 1 11

JADAVPUR UNIVERSITY

(F) MANILAL CHATTERJEE & OTHER STIPEND FUND

	Rs.	As.	P.		Rs.	As.	P.
To Expenses during the year	38	2	0	By Balance (as per last a/c.)	3,806	3	0
,, Balance Carried to Balance Sheet ...	3,860	10	0	,, Interest on investment	92	9	0
	3,898	12	0		3,898	12	0

(G) KRISTO MOHAN BOSE STIPEND FUND

	Rs.	As.	P.		Rs.	As.	P.
To Expenses during the year	47	0	0	By Balance (as per last a/c.)	1,870	4	7
,, Balance Carried to Balance Sheet ...	1,870	15	7	,, Interest on investment	47	11	0
	1,917	15	7		1,917	15	7

(H) SRISH CHANDRA BIRPRATAP MEMORIAL FUND

	Rs.	As.	P.		Rs.	As.	P.
To Expenses during the year ...	20	15	0	By Balance (as per last a/c.)	249	3	6
,, Balance Carried to Balance Sheet ...	236	12	6	,, Interest on investment	8	8	0
	257	11	6		257	11	6

(I) SINHA FUND

	Rs.	As.	P.		Rs.	As.	P.
To Balance Carried to Balance Sheet ...	49,659	12	1	By Balance (as per last a/c.)	49,659	12	1
	49,659	12	1		49,659	12	1

(J) BIRESWAR DAS GUPTA MEMORIAL FUND

	Rs.	As.	P.		Rs.	As.	P.
To Balance. Carried to Balance Sheet ...	2,872	4	0	By Balance (as per last a/c.)	2,781	8	0
				,, Interest on Investment	90	12	0
	2,872	4	0		2,872	4	0

(K) MARY K. DAS & TARAK NATH DAS FUND

	Rs.	As.	P.		Rs.	As.	P.
To Balance Carried to Balance Sheet ...	1,071	4	0	By Balance (as per last a/c.)	1,071	4	0
	1,071	4	0		1,071	4	0

JADAVPUR UNIVERSITY

SUBSIDIARY FUNDS. (*Contd.*)

(L) P. N. BOSE MEMORIAL FUND.

	Rs.	As.	P.		Rs.	As.	P.
To Expenses during the year	20	15	0	By Balance (as per last a/c.) ...	1,000	0	0
,, Balance carried to Balance Sheet	1,000	0	0	,, Interest on loans & overdrafts. ...	20	15	0
	1,020	15	0		1,020	15	0

(M) SUDHAKAR BURMAN MEMORIAL FUND.

	Rs.	As.	P.		Rs.	As.	P.
To Expenses during the year	20	15	0	By Balance (as per last a/c.)	801	0	0
,, Balance c/d to Balance Sheet ...	801	0	0	,, Interest on Loans & overdrafts ...	20	15	0
	821	15	0		821	15	0

(N) K. P. DAS GUPTA MEMORIAL FUND.

	Rs.	As.	P.		Rs.	As.	P.
To Balance carried to Balance Sheet...	520	15	0	By Balance (as per last a/c.)	500	0	0
				,, Interest on loans & overdrafts ...	20	15	0
	520	15	0		520	15	0

(O) HIRONMOYEE DEVI SCHOLARSHIP FUND.

	Rs.	As.	P.		Rs.	As.	P.
To Expenses during the year ...	105	0	0	By Balance (as per last a/c)	90	0	0
,, Balance c/d to Balance Sheet ...	195	0	0	,, Receipt from Sri M. Gupta ...	210	0	0
	300	0	0		300	0	0

(P) GANESH JANANI DEVI MEMORIAL FUND.

	Rs.	As.	P.		Rs.	As.	P.
To Balance carried to Balance Sheet	501	0	0	By Receipt during the year ...	501	0	0
	501	0	0		501	0	0

(Q) MOHINI MOHAN BOSE ENDOWMENT FUND.

	Rs.	As.	P.		Rs.	As.	P.
To Balance carried to Balance Sheet ...	5,000	0	0	By Balance (as per last a/c) ...	5,000	0	0
	5,000	0	0		5,000	0	0

JADAVPUR UNIVERSITY.

SUBSIDIARY FUNDS—*Contd.*

(R) S. K. DUTTA MEMORIAL ENDOWMENT FUND.

	Rs. As. P.		Rs. As. P.
To Balance c/d to Balance Sheet ...	351 0 0	By Balance (as per last a/c.)	351 0 0
	351 0 0		351 0 0

(S) JYOTI NATH MEMORIAL FUND.

	Rs. As. P.		Rs. As. P.
To Balance c/d to Balance Sheet ...	2,200 0 0	By Balance (as per last a/c.)	2,200 0 0
	2,200 0 0		2,200 0 0

(T) GANGURAM VARMA MEMORIAL SCHOLARSHIP FUND.

	Rs. As. P.		Rs. As. P.
To Balance carried to Balance Sheet ...	4,000 0 0	By Balance (as per last a/c)	4,000 0 0
	4,000 0 0		4,000 0 0

SUBSIDIARY FUNDS OF THE NATIONAL COUNCIL OF EDUCATION, BENGAL.

(A) HINDU RELIGIOUS EDUCATION FUND.

	Rs. As. P.		Rs. As. P.
To Balance c/d to Balance Sheet ...	34,154 13 7	By Balance (as per last a/c.)	33,317 5 7
		,, Interest on Investment	837 8 0
	34,154 13 7		34,154 13 7

(B) SREEMAT BHAGABAT GITA SCHOLARSHIP FUND.

To Balance c/d to Balance Sheet ...	1,446 0 10	By Balance (as per last a/c) ...	1,416 8 10
		,, Interest on Investment ...	29 8 0
	1,446 0 10		1,446 0 10

GUPTA & MITRA
Chartered Accountants,

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CALCUTTA
the October, 1958.

The Registrar,
JADAVPUR UNIVERSITY,
Jadavpur, West Bengal.

Re : Audit 1957-58

Dear Sir,

In submitting herewith the audited Balance Sheet as at 31st March 1958 together with Income & Expenditure Account for the year ended upon that date, we have to draw your attention to the following :—

1. From the Opening Capital of Rs. 8,66,685·11 nP. the excess amount Rs. 72,698·58 nP. (as reported last year) has now been deducted. A Building Loan Redemption Fund has been created to which Rs. 60,778 25 has been credited being the repayment of Interest-free Loan made to the Central and the West Bengal Government during the year. With this amount charged, the Revenue account shows an Excess of Expenditure over Income of Rs. 3,37,779·27 nP. The Capital has thus come down to Rs. 4,60,207·26 nP.

2. Of the total non-recurring grants received from the Union Government, the University Grants Commission and the Government of West Bengal Rs. 5,79,978·54 nP. remained unspent at the end of the year. This is the nett amount. Under certain heads the expenditure have exceeded the grants the total of which is Rs. 2, 29,646·73 nP. To this extent there had been an inroad into the other grants leaving the nett amount as stated above. But that is only on paper as the entire amount has been spent out.

3. Amount spent from :—

(i)	Ear-marked Funds...		1,39,860·17
(ii)	Deposit & Unpaid amount...		3,81,780·36
(iii)	Balance of Capital Grants ..		5,79,978·54
(iv)	Unspent Balance of Recurring Grants		
	Rs.	7,660·00	
		19,112·19	26,772·19
			11,28,391·26

In addition there are :—

(i)	Bank overdraft of	Rs. 1,40,780·60
(ii)	Liabilities	Rs. 1,23,842·70

Yours faithfully,
GUPTA & MITRA

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES	Rs. nP.	Rs. nP.
Capital :		
As per last account... ...	8,66,685·11	
Less Excess Balance in Capital Account transferred from N.C.E.... ...	72,698 58	
	7,93,986·53	
Less Excess of Expenditure over Income carried from total Revenue A/c. ...	3,33,779·27	
Building Loan Redemption Fund		4,60,207·26
		60,778·25
Capital Grant :		
Government of India—for		
(a) Equipment for Degree courses in Engineering as per last account ...	17,42,000·00	
(B) Equipment for Post Graduate course in Engineering, Geology—As per last Account...		
(c) Equipment for Research Developmen in Chemical Engineering—As per last Account... ...	40,000·00	
(d) Equipment for fundamental Research —As per last A/c. 30,700·00		
Add Receipt during the year... 24,250·00		
54,950·00		
Less Refund during the year... 1,136·87		
	20,000·00	
(e) Building for the existing Degree course in Engineering—As per last Account...	53,813·13	
(f) For construction of Library Building & Reading Room—As per last Account... ...	5,84,715·00	
...	75,000·00	
Carried Over ...	25,15,528·13	5,20,985·51

UNIVERSITY.

31st March, 1958.

PROPERTY & ASSETS	Rs. nP.	Rs. nP.
Endowments :		1,93,000·00
Mrs P. Roy & Mr. U. N. Roy		
Buildings, Structures & Development :		
As per last Account... ...	19,53,711·70	
Less Depreciation @ 2½% ...	48,842·79	
	19,04,868·91	
Addition during the year for Post Office Building... ...	12,977·78	19,17,846·69
Building for Civil Engineering :		
As per last Account... ...	34,115·92	
Addition during the year... ...	80,084·73	1,14,200·65
Building for Hydraulic Laboratory :		
As per last Account... ..	36,490·14	
Addition during the year... ...	36,779·06	73,269·20
Building for N.C.C. Staff Quarters :		
As per last account	25,662·67	
Addition during the year... ...	2,360·67	28,032·34
Building for Library & Reading Room :		
As per last Account ...	1,20,446·81	
Less Depreciation @ 2½% ...	3,011·17	
	1,17,435·64	
Addition during the year	61,351·97	1,78,787·61
Building for the College of Arts & Science :		
As per last Account	2,31,112·37	
Addition during the year	16,236·66	2,47,349·03
Crried Over ...		27,52,485·52

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES		Rs. nP.	Rs. nP.
Brought Forward ...		25,15,528·13	5,20,985·51
Capital Grant—Govt. of India (Contd.)			
(g) For Buildings for Recreation Hall-cum-Auditorium—as per last A/c. ...		25,000·00	
(h) For text Books for College of Arts & Science—As per last A/c.	10,000·00		
Add Receipt during the year...	10,000·00		
		20,000·00	
			25,70,528·13
Capital Grant :			
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 the existing Degree courses in Engineering :			
As per last A/c.	80,000·00		
Add Receipt during the year...	1,50,000·00		
		2,30,000·00	
(c) For Equipment for Civil Engineering :			
As per last A/c.	1,00,000·00		
Less Adjusted for Recurring Grant for Civil Engineering...	2,914·98		
	97,085·02		
Less Adjusted for Grant for Furniture for Civil Engineering	16,667·00		
		80,418·02	
(d) For Equipment for Research Development for Physics :			
As per last A/c.	50,000·00		
Add Receipt during the year...	15,000·00		
		65,000·00	
Carried Over ...		6,05,086·02	30,91,513·64

UNIVERSITY.

31st March, 1958—(Contd.)

PROPERTY & ASSETS		Rs. nP.	Rs. nP.
Brought Forward ...			27,52,485·52
Building for Recreation Hall-Cum-Auditorium : Expenditure during the year			37,271·87
Electric Installation & Fans :			
As per last Account		87,882·23	
Less Depreciation @ 10%		8,788·23	
		79,094·00	
Less unserviceable Fans disposed of		68·68	
		79,025·32	
Addition during the year		112·68	
			79,138·00
Gas & Water connection :			
As per last Account		34,437·83	
Less Depreciation @ 10%		3,443·78	
			30,994·05
Furniture :			
(a) For College of Engineering :			
As per last Account		1,46,032·25	
Less Depreciation @ 5%		7,301·60	
			1,38,730·65
(b) For Library :			
As per last Account		99·00	
Less Depreciation @ 5%		4·95	
		94·05	
Addition during the year		41,126·44	
			41,220·49
(c) For College of Arts & Science :			
As per las Account		7,956·81	
Less Depreciation @ 5%		397·84	
		7,558·97	
Addition during the year :			
Physics	18,143·76		
Chemistry	34,073·85		
Geological Sciences	18,543·39		
General	35,069·85		
		1,05,830·85	
			1,13,389·82
Carried Over ...			31,93,230·40

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES		Rs. nP.	Rs. nP.
Brought Forward ..		6,05,086·02	30,91,513·64
Capital Grant—University Grants' Commission (contd.)			
(e) For Equipment for Research Development for Chemistry :			
As per last Account	50,000·00		
Add Receipt during the year	15,000·00		
		65,000·00	
(f) For construction of Library Building & Reading Room :			
As per last Account	58,000·00		
Add Receipt during the year	100,300·00		
		1,58,300·00	
(g) For Building for Civil Eng. Dept.			
As per last Account	1,00,000·00		
Add Receipt during the year	1,00,000·00		
		2,00,000·00	
(h) For Books on Scientific & Technical Subject :			
As per last Account	30,000·00		
Add Receipt during the year	10,000·00		
		40,000·00	
(i) For Books on Humanities :			
As per last Account	50,000·00		
Add Receipt during the year	30,000·00		
		80,000·00	
(j) For Equipment for Expansion of the training capacity of the existing Degree courses in Engineering : Receipt during the year		2,19,832·00	
(k) For Building for Expansion of the training capacity of the existing Degree courses in Engineering : Receipt during the year		1,12,500·00	
(l) For Books for Civil Engineering : Receipt during the year		16,667·00	
(m) For Equipment for Temperature & Humidity control in the Analytical Laboratory : Receipt during the year		17,510·00	
(n) For Scholarships to students on Humanities : Receipt during the year		800·00	
			15,15,695·02
Carried Over ...			46,07,208·66

UNIVERSITY.

31st March, 1958—(Contd.)

PROPERTY & ASSETS		Rs. nP.	Rs. nP.
Brought Forward ...			31,93,230·40
Furniture—(Contd.)			
(d) For Civil Engineering : Expenditure during the year		6,489·20	6,489·20
Hostel			
(a) Land : As per last Account		3,25,262·23	
(b) Buildings :			
As per last Account	14,26,968·97		
Less Depr. @ 2½%	35,674·22		
		13,91,294·75	
(c) Furniture & Fixtures :			
As per last Account	82,928·08		
Less Depr. @ 5%	4,146·40		
		78,781·68	17,95,338·66
Equipment :			
Power tools & Accessories (Blue Earth Workshop)			
As per last Account		1,10,034·67	
Less Depreciation @ 5%		5,501·73	1,04,532·94
Plant & Machineries Work-shop :			
As per last Account		97,420·66	
Less Depreciation @ 5%		4,871·03	92,549·63
Equipment Mechanical Engineering Deptt.			
As per last Account		5,73,842·41	
Less Depreciation @ 5%		28,692·12	5,45,150·29
Carried Over ...			57,37,291·12

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES		Rs. nP.	Rs. nP.
Brought Forward ...			46,07,208·66
Capital Grant—Govt. of West Bengal :			
(a) Equipment for Chemical Eng., Deptt :			
As per last Account ...		4,23,000·00	
(b) Building for Chemical Eng., Deptt. :			
As per last Account	4,01,000·00		
Add Receipt of Ad hoc Grant during the year	6,102·00		
		4,07,102·00	
(c) Equipment for overseer course			
As per last Account ...		183·89	
(d) Equipment for Research Development in Chemistry :			
As per last Account	25,000·00		
Add Receipt during the yr.	7,500·00		
		32,500·00	
(e) Equipment for Research Development in Physics :			
As per last Account	25,000·00		
Add Receipt during the yr.	7,500·00		
		32,500·00	
(f) Equipment for Civil Engineering :			
As per last Account	50,000·00		
Less Adjustment towards Recurring Grant for Civil Engineering	5,830·00		
	44,170·00		
Less Adjustment towards Grant for Books for Civil Engineering	8,333·00		
		35,837·00	
(g) Library Building & Reading Room :			
As per last Account	66,500·00		
Add Recpt. during the yr.	200·00		
		66,700·00	
(h) Books for Civil Engineering : Receipt during the year		8,333·00	
(i) Buildings for the College of Arts & Sc.			
As per last A/c.	4,30,000·00		
Add Recpt. during the yr.	3,10,000·00		
		7,40,000·00	
Carried Over ...		17,46,155·89	46,07,208·66

UNIVERSITY.

31st March, 1958—(Contd.)

PROPERTY & ASSETS		Rs. nP.	Rs. nP.
Brought Forward ...			57,37,291·12
Equipment Electrical Engg. Deptt.			
As per last Account ...		6,63,301·59	
Less Depreciation @ 5% ...		33,165·08	
		6,30,136·51	
Addition during the year :			
Out of U. G. C. Grant	2,605·00		
,, ,, other Funds	1,392·59		
		3,997·59	
		6,34,134·10	
Equipment Chemical Engg. Deptt.			
As per last Account ...		4,33,311·72	
Less Depreciation @ 5% ...		21,665·58	
		4,11,646·14	
Addition during the year :			
Out of Govt. of West Bengal Grant	27,026·47		
Out of U.G.C. Grant	9,223·10		
		36,249·57	
		4,47,895·71	
Equipment Chemical Engg. Deptt.			
Dehydrating Machine			
As per last Account ...		11,316·55	
Less Depreciation @ 5% on Rs. 30,566·58		1,528·33	
		9,788·22	
Addition during the year		3,000·00	
		12,788·22	
Equipment-Physics-College of Engg.			
As per last Account ...		65,030·78	
Less Depreciation @ 5% ...		2,801·54	
		53,229·24	
Carried Over ...			68,85,338·39

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES		Rs. nP.	Rs. nP.
Brought Forward ..		17,46,155·89	46,07,208·66
Capital Grant—Govt. of West Bengal (Contd.)			
(j) Equipment for the College of Science :			
As per last Account	1,00,000·00		
Add Receipt during the yr.	2,25,000·00		
		3,25,000·00	
(k) Furniture for the College of Arts & Science :			
Receipt during the year ...		1,12,500·00	
(l) Building for the Civil Engg. Course :			
As per last Account ...		50,000·00	
(m) For Additional Accomodation for the existing Degree Courses in Engg :			
As per last Account ...		40,000·00	
(n) Building for the National Cadet Officers :			
As per last Account	1,18,300·00		
Add Receipt during the yr.	67,518·06		
		1,85,818·06	
(o) For cost of Fans for the College of Arts & Science :			
Receipt during the year ...		7,700·00	
(p) For Books for Post Graduate course in Engineering Geology :			
As per last Account ...		2,000·00	
			24,69,173·95
Interest-Free Loan :			
Govt. of India			
For construction of Hostel Buildings :			
As per last Account	14,03,927·25		
Less Repayment during the year	50,100·25		
		13,53,827 00	
Carried Over ...		13,53,827·00	70,76,382·61

UNIVERSITY.

31st March, 1958—(Contd.)

PROPERTY & ASSETS		Rs. nP.	Rs. nP.
Brought Forward ...			68,85,338·39
Equipment-Post Graduate course in Engineering Geology :			
As per last Account ...		37,759·61	
Less Depreciation @ 5% ...		1,887·98	
		35,871·63	
Addition during the year ...		915·93	
			36,787·56
Equipment change over to Electric Supply :			
As per last Account ...		41,098·28	
Less Depreciation @ 5% ...		2,054·91	
			39,043·37
Equipment for Civil Engineering :			
Expenditure during the year			64,599·78
Equipment for Expansion of the Training Capacity of the Degree Courses In Engg. :			
Expenditure during the year :			
Mechanical Engineering ...		12,792·85	
Electrical Engineering ...		16,796·59	
Tele communication Engg. ...		41,779·21	
Physics ...		5,958·75	
Office Requisites ...		2,386·87	
Audio Visual Equipment ...		560·08	
			80,274·35
Temperature & Humidity Control in the Analytical Laboratory :			
Expenditure during the year			899·30
Carried Over ...			71,06,942·75

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES		Rs. nP.	Rs. nP.
Brought Forward	...	13,53,827·00	70,76,382·61
Interest-Free Loan (Contd.)			
Govt. of West Bengal :			
For Land for Hostel site :			
As per last Account	2,66,956·00		
Less Repayment during the year	10,678·00		
		2,56,278·00	
			16,10,105·00
Ear-Marked Prize & Stipend Funds :			
Gopi Kristo Bose Stipend Fund	...	1,950·00	
Dwijendra Memorial Scholarship Fund	...	50,000·00	
Surendra Nath Ghosh Memorial Fund	...	22,523·23	
Asoke Memorial Prize Fund	...	481·27	
Jatindra Krishna Prize Fune	...	799·24	
Manilal Chatterjee & other Stipend Fund	...	3,815·82	
Kisto Mohan Bose stipend Fund	...	1,824·41	
Sris Chandra Bir Pratap Memorial Fund	...	224·34	
Sinha Fund	...	50,288·30	
Jyoti Nath Memorial Fund	...	2,200·00	
S. K. Dutt Memorial Fund	...	351·00	
Sudhakar Barman Memorial Fund	...	801·00	
K. P. Das Gupta Memorial Fund	...	507·25	
P. N. Bose Memorial Fund	...	1,000·00	
Mohini Mohan Bose Endowment Fund	...	5,000·00	
Mary K. Das & Tarak Nath Das Fund	...	1,171·25	
Bireswar Das Gupta Memorial Fund	...	2,783·00	
Hironmoyee Debi Scholarship Fund	...	120·00	
Aloke Kumar Sarkar Memorial Fund	...	110·00	
Ganguram Varma Memorial Scholarship F.		4,000·00	
Ganesh Janani Debi Memorial Fund	...	510·00	
Arun Kr. Bandopadhyaya Memorial Fund		2,000·00	
			1,52,451·11
Carried Over	...		88,38,938·72

UNIVERSITY.

31st March, 1958—(Contd.)

PROPERTY & ASSETS		Rs. nP.	Rs. nP.
Brought Forward	...		71,06,942·75
Equipment for College of Arts & Science (Out of Govt. of West Bengal Grant)			
(a) Physics			
As per last Account	6,314·12		
Less Depreciation @ 5%	315·75		
	5,998·37		
Addition during the year	38,265·46		
		44,263·83	
(b) Chemistry			
As per last Account	17,629·62		
Less Depreciation @ 5%	881·44		
	16,748·18		
Addition during the year	10,226·64		
		26,974·82	
(c) Geological Sciences			
As per last Account	10,212·56		
Less Depreciation @ 5%	510·63		
	9,701·93		
Addition during the year	60,338·49		
		70,040·42	
(d) Mathematics			
Expenditure during the year	...	3,740·65	
(e) General			
Expenditure during the year	...	471·09	
			1,45,490·81
Equipment for Research Development in Chemical Engineering :			
As per last Account	...	18,392·94	
Less Depreciation @ 5%	...	919·64	
			17,473·30
Carried Over	...		72,69,906·86

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES	Rs. nP.	Rs. nP.
Brought Forward ...		88,38,938·72
Other Ear-Marked Funds :		
Alumni special Fund		
Geological Fund-Tata trust ..	2,602·03	
Lawn Tennis Fund ...	1,378·36	
Gymnasium Fund ...	247·87	
Foreign Training Loan Fund ...	12,081·16	
Fund for Purchase of Equipment for Mechanical Engineering ...	78·44	
Hostel Boarders T.B. Fund ...	14,550·00	
Fund for construction of Post Office Buildg. ...	69·45	
Contingent Fund	7,145·16	
Industrial Tour Fund ...	4,701·00	
Research Fund-soil testing Govt. of W.B. ...	66·25	
Research Fund (Dr. S. C. Ganguly) ...	1,872·47	
Research Fund (C. S. I. R. & others) ...	1,623·01	
Training of Laboratory Asstts. (UNESCO) Tech. Fund ...	8,807·64	
Blazer Fund ...	18·89	
University Research Fund ...	851·32	
Research Scholarship-Govt. of India ...	2,603·00	
	874·63	
	3,919·38	
		63,490·06
Deposit & Unpaid Amount :		
Deposits from Students		
Deposits from Hostel Boarders ...	48,904·97	
Suspense ...	64,570·00	
Security Deposits ...	5,532·95	
Unpaid Amount ...	662·00	
Stipend, Prizes & Scholarship :—	1,584·59	
Govt. & other Bodies & Industrial Training stipend		
Educational Stipend ...	69,962·11	
Unpaid staff Insurance premium ...	9,590·00	
Provident Fund ...	·12	
National Council of Education-Bengal ...	1,43,197·00	
Suspense—S. G. Canteen ...	37,769·07	
...	7·55	
		3,81,780·36
Carried Over ...		92,84,209·14

UNIVERSITY

31st March, 1958.—(Contd.)

PROPERTY & ASSETS	Rs. nP.	Rs. nP.
Brought Forward ...		72,69,906·86
Equipment for Research Development in the Faculty of Science :		
(a) Chemistry		
As per last Account 12006·25		
Less Depreciation @ 5% 600·31		
11405·94		
Addition during the year 63620·55		
	75,026·49	
(b) Physics		
As per last Account 10290·31		
Less Depreciation @ 5% 514·52		
9775·79		
Addition during the year 54768·58		
	64,544·37	
		1,39,570·86
Equipment for Fundamental Research to individual Workers :		
(a) Physics		
As per last Account 17260·37		
Less Depreciation @ 5% 863·02		
16397·35		
Less Adjustment during the yr. 3·69		
	16,393·66	
(b) Chemical Engineering		
As per last Account 12306·44		
Less Depreciation @ 5% 615·32		
11691·12		
Addition during the year 10979·75		
	22,670·87	
(c) Geological Sciences :		
Expenditure during the year ...	5,451·60	
		44,516·13
Carried Over ...		74,53,939·85

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES	Rs. nP.	Rs. nP.
Brought Forward ...		92,84,209·14
Outstanding Liabilities		1,23,842·70
Unspent Balance for Grant for Setting of Youth Welfare Board		
Govt. of India ...	3,830·00	
Govt. of West Bengal ...	3,830·00	
		7,660·00
Unspent Balance of Grant by U.G.C. carried from Income & Expenditure account of expansion of training capacity of Engineering Degree courses		19,112·19
Bank overdraft		
State Bank of India Account J.U. (Secured by Investment)		1,40,780·60
Carried Over ...		95,75,604·63

UNIVERSITY

31st March, 1958.—Contd.

PROPERTY & ASSETS	Rs. nP.	Rs. nP.
Brought Forward		74,53,993·85
Office Requisites :		
As per last Account	12,621·52	
Less Depreciation @ 10%	1,262·15	11,359·37
Portraits, Tablets & Busts :		
As per last Account	6,931·34	
Less Depreciation @ 10%	693·13	
	6,238·21	
Addition during the the year	35·45	6,273·66
Academic Robes of the University :		
As per last Account	6,208·72	
Less Depreciation @ 20%	1,241·74	
	4,966·98	
Addition during the year	755·00	5,721·98
Tools & Accessories—Workshop :		
As per last Account	3,900·22	
Less Depreciation @ 10%	390·02	3,510·20
Dairy & other Sheds—Agriculture :		
As per last Account	7,782·19	
Less Depreciation @ 10%	778·21	7,003·98
Apparatus & Appliances—Agriculture :		
As per last Account	1,256·00	
Less Depreciation @ 10%	125·60	1,130·40
Cattle Stock—Agriculture :		
As per last Account	9,124·00	
Less Sold during the year	91·00	9,033·00
Carried over		74,98,026·44

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES	Rs. nP.	Rs. nP.
Brought Forward		95,75,604·63
Carried over		95,75,604·63

UNIVERSITY

31st March, 1958.—Contd.

PROPERTY & ASSETS	Rs. nP.	Rs. nP.
Brought Forward		74,98,026·44
Books & Journals-College of Engg. :		
As per last Account	1,14,781·37	
Less Depreciation @ 5%	5,739·07	1,09,042·30
Books & Journals on Humanities :		
As per last Account	19,316·27	
Less Depreciation @ 5%	965·81	
	18,350·46	
Addition during the year	44,402·28	62,752·74
Books & Journals on Technical & Scientific Subjects :		
As per last Account	16,275·66	
Less Depreciation @ 5%	813·78	
	15,461·88	
Addition during the year	24,167·48	39,629·36
Books & Journals-For Civil Engg :		
Expenditure during the year		7,659·28
Books & Journals on Post Graduate course in Engg. Geology :		
As per last Account	1,965·64	
Less Depreciation @ 5%	98·28	
	1,867·36	
Addition during the year	29·44	1,896·80
Text Books for College of Arts & Science :		
Expenditure during the year :		
Out of Grant sanctioned in 1956-57	10,000·55	
Out of Grant sanctioned in 1957-58	4,848·79	14,849·34
Loan & Advances :		39,794·83
Other Advances :		
Advance for Hostel Expenses	5,621·42	
Advance for building Construction & Materials	10,28,991·16	
Advance for Messing Expenses for Hostel	39,462·75	
Advance for canteen charges for Hostel	4,945·44	10,79,020·77
Deposits & Realisable Amount :		
Eiectric Meters	156·30	
Disposal Stores—Cossipore	1,291·14	
Deposit—others	2,788·75	
Advance for Research Schemes of I.C.S.R.	9,397·91	13,634·10
Stores		71,799·93
Carried over		89,38,105·89

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES	Rs. nP.	Rs. nP.
Brought Forward		95,75,604·63
Carried over		95,75,604·63

UNIVERSITY

31st March, 1958.—Contd.

PROPERTY & ASSETS	Rs. nP.	Rs. nP.
Brought Forward		89,38,105·89
Outstanding Receipts :		
Calcutta Corporation-Recurring Grant	55,000·00	
Golden Jubilee Souvenir Advertisement	800·00	
Hostel Messing dues from Boarders	15,031·85	
Hostel Seat Rent from Boarders	700·19	
Hostel Light charges from Boarders	80·00	
Hostel Admission Fee from Boarders	155·00	
Hostel Union Fee from Boarders	76·51	
Hostel Establishment charges from Boarders	28·03	
Hostel social charges from Boarders	114·81	
Hostel Canteen charges from Boarders	217·35	72,203·74
Investment (at Book value)		
(a) General fund		
3% Conversion Loan 1946		
Face value 77,200/-	76,152·25	
3% G. P. Notes 1896-97		
Face value 3,10,000/-	3,11,501·03	
4% C P.T.D. 1914		
Face value 48,000/-	48,000·00	4,35,653·28
(b) Joint Stock Companies Shares		41,028·75
Investment Ear Marked Funds : (at Book value)		
(a) Asoke Memorial Prize Fund :		
3% conversion Loan 1946		
Face value 700/-	481·25	
(b) Gopikristo Bose stipend Fund :		
3% conversion Loan 1946		
Face value 1600 /-	1,600·00	
(c) Jatindra Krishna Prize Fund :		
3% conversion Loan 1946		
Face value 800/-	799·25	
(d) Kristo Mohan Bose stipend Fund :		
3% conversion Loan 1946		
Face value 1600/-	1,600·00	
(e) Monilal Chatterjee & other stipend Fund :		
3% conversion Fund 1946		
Face value 3,100/-	3,100·00	
(f) Srish Chandra Birpratap Memorial		
3% conversion Loan 1946		
Face value 300/-	195·75	
Carried over	7,776·25	94,86,991·66

JADAVPUR

Balance Sheet as at

CAPITAL & LIABILITIES	Rs. nP.	Rs. nP.
Brought Forward		95,75,604·63
		95,75,604·63

We have audited the above Balance Sheet as at 31st March 1958 and annexed Income & Expenditure Accounts for the year ended on that date. Subject to our sperate 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 Uuiversity.

Dated, Calcutta, the 18th October 1958.
P-14, Mission Row Extension,
Calcutta.

GUPTA & MITRA.
Chartered Accountants,
Auditors.

UNIVERSITY.

31st March, 1958 Contd.

PROPERTY & ASSETS	Rs. nP.	Rs. nP.
Brought Forward	7,776·25	94,86,991·66
Investment Ear-Marked Funds : (at Book value contd.)		
(g) Surendra Mohan Ghosh Memorial Fund : 3% conversion Loan 1946 Face value 22,400/-	21,105 31	
(h) Sinha Fund : 3% conversion Loan 1946 Face value 32,000/-	31,900·00	
(i) Kali Prasanna Das Gupta Memorial Fund : 3% conversion Loan 1946 Face value 500/-	500·00	
(j) Jyotinath Memorial Scholarship Fund : 3% conversion Loan 1946 Face value 2200/-	2,200·00	
(k) Dwijendra Memorial Scholarship Fund : 4% West Bengal Loan 1967 Face value 10,000/-	10,000·00	
(l) Bireswar Das Gupta Memorial Fund : 3½% 10 years treasury Savings Deposit certificate Face value 2,600/-	2,600·00	76,081·55
Cash & Bank Balances :		
With State Bank of India A/c C.E.T. No. 1	8,420·32	
A/c Alumni Fund	367·95	
A/c Letter of Credit	3,743·14	12,531·41
		95,75,604·63

JADAVPUR

Total Revenue Account for the

EXPENDITURE	Rs. nP.	Rs. nP.
To Depreciation on		
Buildings, Structures & Development	48,842·79	
Electric Installation & Fans	8,788·23	
Gas & Water connection	3,443·78	
Furniture for College of Engineering	7,301·60	
Furniture for Library	4·95	
Furniture for College of Arts & Science	397 84	
Hostel—Building	35,674·22	
Hostel—Furniture & Fixture	4,146·40	
Equipment--Power Tools & Accessories (Blue Earth Workshop)	5,501·73	
Equipment—Plant & Machinery—Workshop	4,871·03	
Tools & Accessories—Workshop	390 02	
Equipment—Mechanical Engg. Deptt.	28,692·12	
Equipment—Electrical Engg. Deptt.	33,165·08	
Equipment—Chemical Engg. Deptt.	21,665·58	
Equipment—Chemical Engg. Dehydrating Machine	1,528·33	
Equipment—Physics C. E. T.	2,801·54	
Equipment—Post Graduate course in Engg. Geology	1,887·98	
Equipment charges over to Electric Supply	2,054·91	
Equipment for College of Arts & Science :—		
Physics 315·75		
Chemistry 881·44		
Geological Sciences 510·63	1,707·82	
Equipment for Research Development in Chemical Engineering	919·64	
Equipment for Research Development :—		
Physics 514·52		
Chemistry 600·31	1,114·83	
Equipment for Fundamental Research		
Physics 863·02		
Chemistry 615·33	1,478·34	
Carried over		2,16,378·76

UNIVERSITY

year ended 31st March, 1958—Contd.

INCOME	Rs. nP.	Rs. nP.
By Ad Hoc Grant from Govt. of West Bengal : For meeting recurring deficit for Chemical Engineering : Upto 31st March, 1957		59,197·00
,, Balance—Excess of Expenditure over Income carried to Balance Sheet		3,33,779·27
Carried over		3,92,976·27

JADAVPUR

Total Revenue Account for the

EXPENDITURE	Rs. nP.	Rs. nP.
Brought Forward	2,16,378·76	
To Depreciation (Contd.) on—		
Office Requisites	1,262·15	
Portraits, Tablets & Busts	693·13	
Academic Robes of the University	1,241·74	
Apparatus & Appliances—Agriculture	125·60	
Dairy & other Sheds—Agriculture	778·21	
Library Building	3,011·17	
Books & Journals—College of Engineering	5,739·07	
Books & Journals on Humanities	965·81	
Books & Journals on Technical & Scientific subjects	813·78	
Hostel Utensils & Stores	700·81	
Books & Journals on Post Graduate course in Engineering Geology	98·28	
		2,31,808·51
,, Excess of Expenditure over Income for Post Graduate course in Engg. Geology		5,971·46
,, Excess of Expenditure over Income carried from Summary of Income & Expenditure A/c.		34,827·42
,, Excess of Expenditure over Income carried from Mechanical & Electrical Engineering		97,249·11
,, Excess of Expenditure over Income carried from Hostel Account		23,119·77
		3,92,976·27

UNIVERSITY.

year ended 31st March, 1958—Contd.

INCOME	Rs. nP.	Rs. nP.
Brought Forward		3,92,976·27
		3,92,976·27

GUPTA & MITRA,
Chartered Accountants,
Auditors.

JADAVPUR

Summary of Income & Expenditure Account

EXPENDITURE	Rs. nP.	Rs. nP.
To Excess of Expenditure over Income carried from Income & Expenditure Account for University (General)	1,59,470·98	
,, Excess of Expenditure over Income carried from Income & Expenditure Account for Chemical Engineering	5,584·11	
,, Excess of Expenditure over Income carried from Income & Expenditure Account for College of Arts & Science	3,38,000·39	
,, Excess of Expenditure over Income carried from Research Schemes in the Faculty of Science	31,771·94	
		5,34,827·42
		5,34,827·42
To Excess of Expenditure over Income carried from Income & Expenditure Account for Mechanical & Electrical Engineering		97,249·11
,, Excess of Expenditure over Income carried from Income & Expenditure Account Hostel		23,119·77
		1,20,368·88

UNIVERSITY.

for the year ended 31st March, 1958—Contd.

INCOME	Rs. nP.	Rs. nP.
By Grant from Govt. of West Bengal : For Maintenance of the University		5,00,000·00
,, Excess of Expenditure over Income carried to Total Revenue Account		34,827·42
		5,34,827·42
By Excess of Expenditure over Income carried to Total Revenue Account		1,20,368·88
		1,20,368·88

GUPTA & MITRA,
Chartered Accountants,
Auditors.

JADAVPUR

Income & Expenditure on General Account

EXPENDITURE	Rs. nP.	Rs. nP.
Administrators & Officers of the University :		
Rector	30,000·00	
Registrar	16,330·00	
Treasurer	3,000·00	
Adviser to the Rector	11,660·00	
Provost	10,645·81	
Financial Adviser	3,200·00	
Provident Fund contribution	4,622·97	
		79,458·78
Office Expenses :		
Office Staff (Salary & Allowances)	5,535·30	
Bearers (Salary & Allowances)	373·80	
Provident Fund contribution	113·50	
Leave, Vacancies & Allowances	5,641·02	
		11,663·62
Medical Staff		3,600·00
Annuity under Endowment		7,505·40
Convocation Expenses		16,963·31
Examination :		
Asstt. Controller of Examinations (Allowances)	1,200·00	
Office Staff (Salary & Allowances)	8,496·11	
Bearers (Salary & Allowances)	1,685·40	
Provident Fund contribution	578·01	
Leave, Vacancies & Allowances	168·41	
Examiners' & paper setters' Fees	30,993·21	
Honorarium to Tabulators & Helpers	4,766·00	
Printing, Postage & Stationery	13,517·96	
Contingencies	1,819·55	
		63,234·65
Carried over		1,82,425·76

UNIVERSITY.

for the year ended 31st March, 1958—Contd.

INCOME	Rs. nP.	Rs. nP.
Examination :		
Examination Fee	60,375·50	
Registration Fee (University)	3,072·00	
Mark sheet & Transcript Fee	2,447·50	
Scrutiny Fee for Answer Scripts	105·00	
Migration certificate Fee	100·00	
Sale of question paper & waste paper	401·85	
		66,483·85
Students' Amenities :		
Session Fee	19,790·00	
Medical Examination Fee	1,719·00	
Students' Health Home Fee	1,719·00	
Grant from University Grants Commission towards contribution to students' aid-fund	1,400·00	
Contribution from the students' towards students aid-fund	1,400·00	
Exhibition Income	10,999·80	
Income on charity performance for students' aid	780·00	
		37,807·80
Grant from Govt. of India towards Intervarsity Youth Festival :		1,355·08
Interest & Dividend		16,829·90
Rent from Building : (Southern Avenue)		4,935·00
Miscellaneous Receipts :		
Hire charges of Academic Robes	655·00	
Other contingent Receipt	1,357·62	
		2,012·62
Carried over		1,29,424·25

JADAVPUR

Income & Expenditure on General Account

EXPENDITURE	Rs. nP.	Rs. nP.
Brought Forward		1,82,425·76
Library :		
Librarian & Office Staff (Salary & Allowances)	14,495·87	
Bearers & Sweepers (Salary & Allowances)	4,160·35	
Provident Fund contribution	724·96	
Leave vacancies & Allowances	3,632·78	
General Books & Periodicals	1,287·90	
Binding charges	2,447·35	
Printing, Stationery & Contingencies	2,513·91	
		29,263·12
Students' Amenities :		
Physical Instructor (Salary & Allowances)	4,379·00	
Students' Magazine	5,138·18	
Students' Union	8,661·06	
Sporting & Physical culture	15,722·52	
Medical Examination of Students	1,501·31	
Students' Health Home	1,583·00	
Exhibition Expenses	16,153·51	
Students' Aid Fund	2,800·00	
		55,938·58
Intervarsity Activities :		
Intervarsity Sports Activities	9,844·33	
Intervarsity Youth Festival	3,569·05	
Annual contribution & Membership Fee	2,054·32	
		15,467·70
Rent & Taxes :		
On Buildings (Southern Avenue)		1,959·81
Other Contingent Expenses :		
Travelling Expenses	576·84	
Deputation Expenses	2,980·80	
Contingent Expenses	282·62	
		3,840·26
		2,88,895·23

UNIVERSITY

for the year ended 31st March, 1958—Contd.

INCOME	Rs. nP.	Rs. nP.
Brought Forward		1,29,424·25
Excess of Expenditure over Income Carried to Summary of Income & Expenditure Account		1,59,470·98
		2,88,895·23

GUPTA & MITRA,
Chartered Accountants,
Auditors.

JADAVPUR
COLLEGE OF ENGINEERING &
TECHNOLOGY, BENGAL

Income & Expenditure Account for the Degree Courses in "Mech." & "Elec." Engg. for the year ended 31st March 1958.

EXPENDITURE	Rs. nP.	Rs. nP.
Administration :		
Chairman of the Faculty of Engineering		1,800·00
Mechanical Engineering Department :		
Teaching Staff (Salary & Allowances)	1,95,784·99	
Laboratory & Store Assistants (Salary & Allowances)	2,990·23	
Mistries, Helpers & Bearers (Salary & Allowances) :		
Laboratory	7,575·24	
Workshop	43,903·42	
Provident Fund contribution	18,231·27	
Leave Vacancies & Allowances	7,437·70	
Laboratory Teaching Expenses	2,412·05	
Workshop teaching Expenses	6,842·79	
Power (Staff & Materials)	10,214·46	
Excursion Expenses	228·38	
Repairs & Maintenance :		
Buildings	1,434·95	
Furniture & Equipment	1,185·98	
Gas & Water connection	125·00	
Contingencies :		
Laboratory	397·62	
Workshop	1,215·34	
Books & Journals	1,278·00	
		3,01,257·42
Electrical Engg. Deptt.		
Teaching Staff (Salary & Allowances)	1,00,873·37	
Laboratory Asst. (Salary & Allowances)	1,984·00	
Mistries, Helpers & Bearers (Salary & Allowances)	12,981·31	
Provident Fund contribution	8,540.74	
Leave Vacancies & Allowances	12,685·54	
Laboratory Expenses	5,670·48	
Research Expenses	784·51	
Excursion Expenses	873·01	
Repairs Maintenance :		
Building	1,192·74	
Furniture & Equipment	455·01	
Contingencies	1,055·33	
Books & Journals	2,600·17	
		1,49,696·21
Carried over		4,52,753·63

UNIVERSITY
OF
TECHNOLOGY, BENGAL

& "Elec." Engg. for the year ended 31st March 1958.

INCOME	Rs. nP.	Rs nP.
Fees From Students :		
Tuition Fee		1,01,434·00
Rent & Conservancy :		
Staff Quarters & other buildings	8,797·64	
Subordinate staff Quarters	3,123·00	11,921.14
Staff Quarters—Puddapukur :		2,843·62
Other Receipts :		
Breakage & Fine	3,629·21	
Sale proceeds of Prospectus	1,644·80	
Admission Fee	7,804·00	
Registration Admission	22,928·00	
Sale of Milk from Agricultural Farm	54·31	36,060·32
Subvention from Govt. of West Bengal :		
For Dearness Allowances		33,819·79
Recurring Grant :		
University Grants Commission :		
For Maintenance of Degree courses	5,98,000·00	
For Revision of pay Scales of staff of the Faculty of Science	1,760·00	
Govt. of West Bengal for revision of salary scales	440·00	
Corporation of Calcutta	20,000·00	6,20,200·00
Carried over		8,06,278·87

JADAVPUR
COLLEGE OF ENGINEERING &
Income & Expenditure Account for the Degree Courses in "Mech"

EXPENDITURE	Rs. nP.	Rs. nP.
Brought Forward		4,52,753·63
Physics :		
Teaching Staff (Salary & Allowances)	16,785·00	
Laboratory Asst. (Salary & Allowances)	2,080·00	
Bearers (Salary & Allowances)	2,846·01	
Provident Fund contribution	1,511·61	
Leave vacancies & Allowances	300·69	
Laboratory Teaching Expenses	1,201·44	
Repairs & Maintenance :		
Furniture & Equipment	497·27	
Contingencies	134·24	
		25,356·26
Mathematics :		
Teaching Staff (Salary & Allowances)	22,769·79	
Provident Fund contribution	1,405·37	
		24,175·16
Humanities :		
Teaching Staff (Salary & Allowances)	5,940·00	
Provident Fund contribution	168·75	
		6,108·75
National Cadet Training :		
Honorarium to Cadet Officers	2,000·00	
Amenities to Cadets	3,000·00	
		5,000·00
Annual Prizes & Scholarships :		1,585·00
Graduity to Staff :		11,200·00
Training of Corporation Trainees :		5,823·11
Arrear pay under Revision of pay Scales : (For Staff under Faculty of Science)		1,925·00
Subvention from Govt. of West Bengal : For Dearness Allowance		32,463·63
Other Teaching Expenses :		
Advertisement & Publicity	3,382·20	
Printing & Prospectus	1,281·58	
		4,663·75
Office Expenses :		
Office Staff (Salary & Allowances)	58,373·67	
Leave vacancies & Allowances	3,000·00	
Contingencies	230·52	
		61,604·19
Carried over		6,32,658·48

UNIVERSITY
TECHNOLOGY, BENGAL
& "Elec." Engg. for the year ended 31st March, 1958—Contd.

INCOME	Rs. nP.	Rs. nP.
Brought Forward		8,06,278·87
Carried over		8,06,278·87

JADAVPUR
COLLEGE OF ENGINEERING &
Income & Expenditure Account for the Degree Courses in "Mech"

EXPENDITURE	Rs. nP.	Rs. nP.
Brought Forward		6,32,658·48
Subordinate Staff :		
Darwans,Sweepers, Malees & Labour Gang	53,145·50	
Leave vacancies & Allowances	2,130·73	
		55,276·23
Other Establishment :		
General Maintenance Staff	26,769·96	
Electric Installation Maintenance Staff	13,206·47	
Construction Maintenance Staff	4,605·00	
Play ground Maintenance Staff	4,370·43	
Leave vacancies	433·47	
		49,385·33
Provident Fund Contribution :		
Office, Subordinate Staff & other Establishment		9,880·54
General Repairs & Maintenance .		
Main & Other Buildings	9,939·86	
Roads & Drainage	46,376·96	
Sanitary Arrangement	546·65	
Gas & Water connection	2,497·19	
Electric Installation	6,698·08	
Office & General Furniture & Requisites	2,960·63	
		69,019·37
Rent & Taxes—Staff Quarters—Paddapukur		2,766·20
Other Expenses :		
Admission Expenses	4,432·04	
Rent & Taxes	6,738·32	
Interest on Loans, Deposits & overdrafts	15,305·29	
Telephone	3,141·78	
Electricity	14,954·83	
Legal, Audit & Bank charges	6,606·41	
Insurance Premium	3,712·43	
Printing, Postage & Stationery	13,079·47	
General Contingencies	16,571·26	
		84,541·83
		9,03,527·98

UNIVERSITY
TECHNOLOGY, BENGAL
& "Elec." Engg. for the year ended 31st March 1958(Contd.)

INCOME	Rs. nP.	Rs. nP.
Brought Forward		8,06,278·87
Excess of Expenditure over Income Carried over to total Revenue Account		97,249·11
		9,03,527·98

GUPTA & MITRA
Chartered Accountants
Auditors.

JADAVPUR
COLLEGE OF ENGINEERING & CHEMICAL ENGINEERING
Income & Expenditure Account for the Degree Courses in

EXPENDITURE	Rs. nP.	Rs. nP.
Chemical Engineering Department :		
Teaching Staff (Salary & Allowances)	1,15,245·75	
Laboratory & Store Asst. (Salary & Allowances)	4,512·90	
Mistries, Helpers & Bearers (Salary & Allowances)	15,289·24	
Provident Fund contribution	8,797·18	
Leave vacancies & Allowances	7,390·53	
Laboratory teaching Expenses	21,505·86	
Power (Staff & Stores)	10,214·45	
Excursion Expenses	861·82	
Repairs & Maintenance :		
Furniture & Equipment	5,232·17	
Gas & Water connection	1,594·21	
Buildings	3,705·45	
Contingencies	1,030·22	
Books & Journals	2,580·94	
		1,97,960·72
Chemical Engineering Department : Research Expenses :		10,129·39
		2,08,090·11

UNIVERSITY
TECHNOLOGY, BENGAL
DEPARTMENT
"Chemical" Engg. for the year ended 31st March, 1958.

INCOME	Rs. nP.	Rs. nP.
Fees from Students' :		
Tuition Fee		38,195·00
Recurring Grant :		
Govt. of West Bengal for Maintenance ...	1,51,211·00	
Govt. of West Bengal for Research work ...	9,100·00	
Govt. of West Bengal for Books ...	4,000·00	
		1,64,311·00
Excess of Expenditure over Income carried to summary of Income & Expenditure A/c.		5,584·11
		2,08,090.11

GUPTA & MITRA,
Chartered Accountants,
Auditors.

JADAVPUR
COLLEGE OF ARTS
Income & Expenditure Account

EXPENDITURE		Rs. nP.	Rs. nP.
Administration :			
Dean of the Colloge of Arts (Salary & Allowances)	...	17,791·67	
Provident Fund contribution	...	1,422·67	
			19,214·34
Department of Bengali :			
Teaching Staff (Salary & Allowances)	...	34,134·71	
Provident Fund contribution	...	571·69	
			34,706·40
Department of Comparative Literature :			
Teaching Staff (Salary and Allowances)	...	28,918·06	
Provident Fund contribution	...	302·97	
			29,221·03
Department of Economics :			
Teaching Staff (Salary and Allowances)	...	2,006·77	
Bearers (Salary and Allowances)	...	701·01	
Provident Fund contribution	...	1,086·82	
			33,794·60
Department of History :			
Teaching Staff (Salary and Allowances)	...	35,886·54	
Provident Fund contribution	...	1,818·78	
			37,705·32
Department of International Affairs :			
Teaching Staff (Salary & Allowances)	...	32,546·44	
Bearers (Salary and Allowances)	...	1,023·32	
Provident Fund contribution	...	1,333·56	
Books and Journals	...	292·35	
			35,195·67
Department of Philosophy :			
Teaching Staff (Salary & Allowances)	...	8,260·64	
Provident Fund contribution	...	283·89	
			8,544·53
Department of Sanskrit :			
Teaching Staff (Salary & Allowances)	...	12,208·89	
Provident Fund contribution	...	372·51	
			12,581·40
Carried Over	..		2,10,963·29

UNIVERSITY
AND SCIENCE
for the year ended 31st March, 1958

INCOME		Rs. nP.	Rs. nP.
Fees from Students :			
Tuition Fee			75,285·00
Fees from Students for Language Classes :			2,490·00
Other Receipts :			
Breakage & Fine	...	1,118·11	
Admission Fee	...	7,748·00	
Sale proceeds of Prospectus	...	544·74	
Regstrations (Admission)	...	5,775·00	
			15,185·85
Subvention from Govt. of West Bengal for Dearness Allowances :			16,565·28
Recurring Grant :			
Govt. of West Bengal			
For Maintenance of the College	...	1,00,000·00	
,, Revision of pay scales	...	1,160·00	
University Grants Commission for Revision of pay scales	...	4,619·35	
			1,05,779·35
Grant from Govt. of West Bengal :			
For stipend			1,945·00
Carried Over	...		2,17,250·48

JADAVPUR
COLLEGE OF ARTS
Income & Expenditure Account

EXPENDITURE		Rs. nP.	Rs. nP.
Brought Forward	...		2,10,963·29
Department of Physics :			
Teaching Staff (Salary & Allowances)	...	54,230·21	
Laboratory and Office Asst. (Salary & Allowances)	...	1,278·95	
Mistries, Helpers and Bearers (Salary & Allowances)	...	6,567·16	
Provident Fund contribution	...	2,052·24	
Leave vacancies and Allowances	...	144·57	
Laboratory Teaching Expenses	...	3,996·39	
Repairs and Maintenance	...	1,648·40	
Contingencies	...	489·42	
			70,407·34
Department of English :			
Teaching Staff (Salary and Allowances)	...	37,287·64	
Bearers (Salary and Allowances)	...	701·10	
Provident Fund contribution	...	302·88	
			38,291·62
Department of Mathematics :			
Teaching Staff (Salary and Allowances)	...	31,544·34	
Bearers (Salary add Allowances)	...	350·58	
Provident Fund contribution	...	557·64	
Books and Journals	...	46·49	
			32,499·05
Department of Chemistry :			
Teaching Staff (Salary and Allowances)	...	75,895·34	
Laboratory & Office Asst. (Salary and Allowances)	...	1,442·90	
Mistries, Helpers and Bearers (Salary and Allowances)	...	2,415·37	
Provident Fund contribution	...	3,522·12	
Laboratory Teaching Expenses	...	25,479·56	
Repairs and Maintenance	...	330·18	
Contingencies	...	387·49	
			1,09,472·96
Carried Over	...		4,61,634·26

UNIVERSITY
AND SCIENCE
for the year ended 31st March 1958. (Contd.)

INCOME	Rs. nP.	Rs. nP.
Brought Forward		2,17,250·48
Excess of Expenditure over Income Carried to Summary of Income & Expenditure Account		3,38,000·39
Carried over		5,55,250·87

JADAVPUR COLLEGE OF ARTS

Income & Expenditure Account

EXPENDITURE	Rs. nP.	Rs. nP.
Brought Forward		4,61,634·26
Department of Geological Sciences :		
Teaching Staff (Salary & Allowances)	27,673·37	
Laboratory Asst. (Salary & Allowances)	1,260·00	
Section, Cutter & Bearers (Salary & Allowances)	1,479·21	
Provident Fund contribution	1,415·50	
Leave Vacancies & Allowances	3·96	
Laboratory Teaching Expenses	2,731·33	
Repairs & Maintenance	190·28	
Field work Expenses	2,782·67	
Contingencies	351·71	
		37,888·03
Expenses For Language Classes :		
Stipends to Students :		1,300·00
Arrear pay under Revision of pay scale :		3,897·91
Dearness Allowance to Staff : (out of subvention from Govt. of W. Bengal)		5,587·90
		21,527·42
Administrative Expenses :		
Office Staff (Salary & Allowances)	4,072·52	
Darwans, Sweepers, Malees, Bearers (Salary & Allowances)	4,646·40	
Provident Fund contribution	102·57	
Leave Vacancies & Allowances	73·82	
Contingencies	4·41	
		8,899·72
Other Expenses :		
Printing of prospectus	1,155·82	
Admission Expenses	1,489·33	
Electricity charges	7,120·57	
Printing, Postage & Stationery	734.97	
General contingencies	4,014·94	
		14,515·63
		5,55,250·87

UNIVERSITY AND SCIENCE

for the year ended 31st March 1958 (Contd.)

INCOME	Rs. nP.	Rs. nP.
Brought Forward		5,55,250·87
		5,55,250·87

GUPTA & MITRA
Chartered Accountants,
Auditors.

JADAVPUR

Income & Expenditure Account

EXPENDITURE	Rs. nP.	Rs. nP.
To Staff (Salary & Allowances)	11,077·32	
,, Provident Fund contribution	469·62	
,, Leave Vacancies & Allowance	82·40	
,, Rent & Taxes	1,947·20	
,, Electricity charges	12,970·59	
,, Telephone	395·45	
,, Union Expenses	5,195·89	
,, Establishment charges	5,687·98	
,, Social charges	736·25	
,, Utensils & Stores	1,513·02	
,, Repairs & Maintenance :		
Sanitary & Electric Installation	854·51	
Building & Sites	201·90	
Contingencies	1,183·28	
		42,315·41
,, Building Loan Redemption Fund		60,778·25
		1,03,093·66

UNIVERSITY—HOSTEL

for the year ended 31st March 1958.

INCOME		Rs. nP.	Rs. nP.
By Seat Rent from Boarders	...	53,071·00	
,, Admission Fee	...	2,460·00	
,, Electricity charges	...	9,689·34	
,, Union Fee	...	5,727·09	
,, Establishment Fee	...	6,344·94	
,, Social Fee	...	1,215·03	
,, Fines & Sale of Receipt Books	...	1,466·49	
			79,973·89
,, Excess of Expenditure over Income carried to Summary of Income & Expenditure Account			23,119·77
			1,03,093·66

GUPTA & MITRA,
Chartered Accountants,
Auditors.

JADAVPUR
COLLEGE OF ENGINEERING
EXPANSION OF THE TRAINING CAPACITY
Income & Expenditure Account

EXPENDITURE	Rs. nP.	Rs. nP.
Mechanical Engineering Dpeartment :		
Teaching Staff (Salary & Allowances) ...	13,345·00	
Laboratory & Technical Staff (Salary & Allowances) ...	557·26	
Mistries, Helpers and Bearers (Salary and Allowances) ...	2,366·09	
Provident Fund contribution ...	940·20	
Laboratory working Expenses ...	1,575·17	
		18,783·72
Electrical Engineering Department :		
Teaching Staff (Salary and Allowances) ...	560·00	
Laboratory and Office Assistants (Salary and Allowances) ...	326·45	
Mistries, Helpers and Bearers (Salary and Allowances) ...	281·47	
Provident Fund contribution ...	41·67	
Laboratory working Expenses ...	3,504·32	
		4,713·91
Tele Communication Engineering Dept. :		
Teaching Staff (Salary and Allowances) ...	5,041·61	
Laboratory and Office Asstt. (Salary and Allowances) ...	326·45	
Mistries, Helpers, Bearers and Technical Staff (Salary and Allowances) ...	1,660·91	
Provident Fund contribution ...	274·58	
Laboratory working Expenses ...	4,873·46	
Contingencies ...	313·52	
		12,490·53
Civil Engineering Department :		
Mistries, Helpers, Bearers and Technical Staff (Salary and Allowances) ...	372·67	
Laboratory working Expenses ...	2,879·52	
		3,252·19
Physics :		
Bearers (Salary and Allowances)		202·80
Mathematics :		
Teaching Staff (Salary and Allowances) ...	748·39	
Bearers (Salary and Allowances) ...	206·27	
		954·66
Excess of Income over Expenditure carried over to Balance Sheet as Unspent balance		19,112·19
		59,510·00

UNIVERSITY
AND TECHNOLOGY, BENGAL
OF THE DEGREE COURSES IN ENGINEERING
for the year ended 31st March, 1958.

INCOME	Rs. nP.	Rs. nP.
Fees from Students :		
Tuition Fee :		
Mechanical & Electrical Engineering ...	6,140·00	
Civil Engineering ...	4,480·00	
Tele communication Engineering ...	5,890·00	
		16,510·00
Recurring Grant from University Grants' Commission		43,000·00
		59,510·00

GUPTA & MITRA,
Chartered Accountants,
Auditors.

JADAVPUR UNIVERSITY.

DEGREE COURSE IN

Income & Expenditure Account

EXPENDITURE		Rs. nP.	Rs. nP.
Civil Engineering Department :			
Teaching Staff (Salary & Allowances)	...	9,988·56	
Laboratory Asst, (Salary & Allowances)	...	330·00	
Mistries, Helpers, Darwans, Sweepers, Bearers (Salary & Allowances)	...	2,252·31	
Provident Fund contribution	...	108·34	
Laboratory working Expenses	...	8,968·40	
Contingencies	...	947·37	
			22,594·98
			22,594·98

(COLLEGE OF ENGINEERING)

CIVIL ENGINEERING

for the year ended 31st March, 1958.

INCOME		Rs. nP.	Rs. nP.
Fees from Students' :			
Tuition Fee			13,850·00
Recurring Grant :			
University Grants Commission	...	2,914·98	
Govt. of West Bengal	...	5,830·00	8,744·98
			22,594·98

JADAVPUR COLLEGE OF ENGINEERING
POST GRADUATE COURSE IN
Income & Expenditure Account

EXPENDITURE		Rs. nP.	Rs. nP.
Post Graduate course in Engineering Geology :			
Establishment	...	6,537·00	
Provident Fund contribution	...	235·46	
Teaching Expenses on Materials	...	105·00	
Excursion Expenses	...	330·00	
Stipend to students	...	300·00	
			7,507·46
			7,507·46

AND TECHNOLOGY BENGAL
ENGINEERING GEOLOGY
for the year ended 31st March, 1958.

INCOME	Rs. nP.	Rs. nP.
Fees from Students : Tuition Fee		1,536·00
Excess of Expenditure over Income Carried over to total Revenue Account		5,971·46
		7,507·46

GUPTA & MITRA
Chartered Accountants
Auditors.

JADAVPUR
RESEARCH SCHEMES IN FACULTIES
Income & Expenditure Account

EXPENDITURE		Rs. nP.	Rs. nP.
To Department of Chemistry :			
Research Personnel	...	8,283·69	
Research Expenses on materials	...	8,891·96	
			17,175·65
To Department of Physics :			
Research Personnel	...	2,695·00	
Research Expenses on materials	...	14,096·65	
			16,791·65
To Research Scheme of Dr. S. C. Ganguly (Physics) :			
Staff			
Instruments	...	1,950·00	
Books	...	2,377·40	
Chemicals	...	198·05	
Contingencies	...	479·94	
	...	1,993·98	
			6,999·37
To Research Schemes under P. N. Roy Charitable Trust :			
Research Expenses on Physics & Chemistry			8,189·80
Research Scheme on Import Implication on Economic Development :			
Staff			
Travelling & Halting allowances	...	3,969·33	
Processing & Tabulation of Date	...	355·11	
Stationery typing etc.	...	420·00	
	...	441·87	
			5,186·31
			54,342·78
To Balance Brought down			33,657·62
			33,657·62
To Excess Expenditure over Research Schemes During the year			1,885·68
To Unspent Balance of Grant transferred to Balance Sheet			1,623·01
			3,508·69

UNIVERSITY
OF ARTS AND SCIENCE
for the year ended 31st March 1958.

INCOME		Rs. nP.	Rs. nP.
By Kumar P. N. Roy Charitable Trust :			
Income from Rent of donated Buildings at Alipore			7,685·16
,, Grant from Govt. of West Bengal :			
For Research Scheme for Dr. S. C. Ganguly :			
Staff		1,800·00	
Instruments		1,000·00	
Books		500·00	
Chemicals		500·00	
Contingencies		1,500·00	5,300·00
,, Grant from Govt. of India :			
For Scheme of Import Implication on Economic Development			5,000·00
,, Research Scholarships from Firms :			2,700·00
			20,685·16
,, Balance carried down			33,657·62
			54,342·78
By Excess Expenditure on Grant on the Scheme of Dr. S. C. Ganguly over Govt. Grant			1,699·37
,, Excess Expenditure on Research Scheme on Import Implication on Economic Development over Govt. Grant			186·37
,, Excess of Expenditure over Income carried to Summary of Income & Expenditure Account			31,771·94
			33,657·62
By Balance of Research Fund (Dr. S. C. Ganguly) Carried from last year's account			3,508·69
			3,508·69

GUPTA & MITRA,
Chartered Accountants,
Auditors.

JADAVPUR

Research Schemes sponsored by the Council of Scientific & Industrial

Income & Expenditure Account

EXPENDITURE	Rs. nP.	Rs. nP.
To Scheme of Council of Scientific & Industrial Research :		
(a) Research Scheme on Varatrum alkaloids :		
Staff	1,739·75	
Contingencies	945·02	2,684·77
(b) Research Scheme on Reaction of Calcium Carbonate with Ammonium Chloride solution :		
Staff	3,210·00	
Equipment	447·30	
Contingencies	890·05	4,547·35
(c) Research Scheme on A. C. Stabiliser with pure sinusoidal voltage out-put :		
Staff	530·00	
Contingencies	107·58	637·58
(d) Research Scheme on Pressure Leaching of copper-ores :		
Staff	3,245·81	
Equipment	630·78	
Contingencies	744·44	4,621·03
(e) Research Scheme on determination of heat Resistance :		
Staff	3,103·05	
Contingencies	1,009·43	4,112·48
(f) Research Scheme on design of Transductor of Magnetic Amplifier :		
Staff	2,344·67	
Contingencies	584·03	2,928·70
(g) Research Scheme on combustion of Pulverised Coal		9·42
Carried over		19,541·33

UNIVERSITY

Research & Indian Council of Agricultural Research

for the year ended 31st March 1958.

INCOME	Rs. nP.	Rs. nP.
By Schemes of Council of Scientific & Industrial Research :		
(a) Research Scheme on Varatrum Alkaloids :		
Staff	3,135·21	
Contingencies	1,000·00	4,135·21
(b) Research Scheme on Reaction of Calcium Carbonate with Ammonium Chloride solution :		
Staff	3,209·75	
Contingencies	1,000·00	4,209·75
(c) Research Scheme on pressure Leaching of copper-ores :		
Staff	3,260·81	
Contingencies	497·00	3,757·81
(d) Research Scheme on determination of heat Resistance :		
Staff	3,174·05	
Contingencies	1,000·00	4,174·05
(e) Research Scheme on design of Transductors of Magnetic Amplifier :		
Staff	2,345·00	
Contingencies	409·67	2,754·67
(f) Research Scheme on Mercaptans as Modifiers in Emulsion Polymerisation :		
Staff	3,145·33	
Contingencies	1,160·58	4,305·91
(g) Research Scheme on Varietal suitability & development & preservation of Fruits & Vegetables :		
Staff	3,155·81	
Contingencies	943·84	4,099·65
Carried over		27,437·05

JADAVPUR

Research Schemes sponsored by the Council of Scientific & Industrial

Income & Expenditure Account

EXPENDITURE	Rs. nP.	Rs. nP.
Brought Forward		19,541·33
(h) Research Scheme on Mercaptans as Modifiers in-Emulsion Polymerisation :		
Staff	3,145·33	
Equipment	287·89	
Contingencies	1,546·24	4,979·46
(i) Research Scheme on Varietal suitability & development & preservation of fruits & Vegetables :		
Staff	3,155·81	
Contingencies	957·43	4,113·24
(j) Research Scheme on Investigation of steriods :		
Staff	3,200·00	
Contingencies	883·76	4,083·76
(k) Research Scheme on Helices in Antenna problems :		
Staff	1,530·00	
Contingencies	740·77	2,270·77
(l) Research Scheme on studies of production of Ribofalavin :		
Staff	2,673·55	
Contingencies	1,559·22	4,232·77
(m) Research Scheme on testing Indigenous materials : Fo H. T. use		2,155·12
(n) Research Scheme on Non-aqueous Acid base Titration :		
Staff	1,166·67	
Contingencies	843·14	2,009·81
Carried over		43,386·26

UNIVERSITY

Research & Indian Council of Agricultural Research

for the year ended 31st March 1958. (Contd.)

INCOME		Rs. nP.	Rs. nP.
Brought Forward		27,437·05	
(h) Research Scheme on investigation of steriods :			
Staff	3,200·00		
Contingencies	1,000·00	4,200·00	
(i) Research Scheme on Helices in Antenna problems :			
Staff	1,200·00		
Contingencies	500·00	1,700·00	
(j) Research Scheme on studies on the production of Ribofalavin :			
Staff	2,425·81		
Contingencies	1,500·00	3,925·81	
(k) Research Scheme on Non-Aquous Acid Base Titration :			
Staff	1,200·00		
Contingencies	500·00	1,700·00	
(l) Research Scheme on study of Characteristic of Gases :			
Staff	3,033·00		
Equipment	3,000·00		
Contingencies	2,000·00	8,033,00	
(m) Research Scheme on transport of Fruits & Vegetables :			
Staff	1,948·39		
Contingencies	1,500·00	3,448·39	50,444·25
Carried over			50,444·25

JADAVPUR

Research Schemes sponsored by the Council of Scientific & Industrial

Income & Expenditure Account

EXPENDITURE		Rs. nP.	Rs. nP.
Brought Forward			19,541·33
(h) Research Scheme on Mercaptans as Modifiers in-Emulsion Polymerisation :			
Staff			
Equipment		3,145·33	
Contingencies		287·89	
		1,546·24	4,979·46
(i) Research Scheme on Varietal suitability & development & preservation of fruits & Vegetables :			
Staff			
Contingencies		3,155·81	
		957·43	4,113·24
(j) Research Scheme on Investigation of steriods :			
Staff			
Contingencies		3,200·00	
		883·76	4,083·76
(k) Research Scheme on Helices in Antenna problems :			
Staff			
Contingencies		1,530·00	
		740·77	2,270·77
(l) Research Scheme on studies of production of Ribofalavin :			
Staff			
Contingencies		2,673·55	
		1,559·22	4,232·77
(m) Research Scheme on testing Indigenous materials : Fo H. T. use			
(n) Research Scheme on Non-aqueous Acid base Titration :			
Staff			2,155·12
Contingencies		1,166·67	
		843·14	2,009·81
Carried over			43,386·26

UNIVERSITY

Research & Indian Council of Agricultural Research

for the year ended 31st March 1958. (Contd.)

INCOME		Rs. nP.	Rs. nP.
Brought Forward		27,437·05	
(h) Research Scheme on investigation of steriods :			
Staff	3,200·00		
Contingencies	1,000·00		4,200·00
(i) Research Scheme on Helices in Antenna problems :			
Staff	1,200·00		
Contingencies	500·00		1,700·00
(j) Research Scheme on studies on the production of Ribofalavin :			
Staff	2,425·81		
Contingencies	1,500·00		3,925·81
(k) Research Scheme on Non-Aquous Acid Base Titration :			
Staff	1,200·00		
Contingencies	500·00		1,700·00
(l) Research Scheme on study of Characteristic of Gases :			
Staff	3,033·00		
Equipment	3,000·00		
Contingencies	2,000·00		8,033,00
(m) Research Scheme on transport of Fruits & Vegetables :			
Staff	1,948·39		
Contingencies	1,500·00		3,448·39
			50,444·25
Carried over			50,444·25

JADAVPUR

Research Schemes sponsored by the Council of Scientific & Industrial

Income & Expenditure Account

EXPENDITURE	Rs. nP.	Rs. nP.
Brought Forward		43,386·26
(o) Research Scheme on study of characteristic of Gases :		
Staff	2,990·99	
Equipment	2,659·25	
Contingencies	2,126·80	7,777·04
(p) Research Scheme on transport of Fruit & Vegetables :		
Staff	3,148·39	
Contingencies	1,903·70	5,052·09
Schemes of Indian Council of Agricultural Research :		
(a) Research on Investigation on the method of processing of Inedible or unpopular fish caught in West Bengal :		
Staff	2,893·83	
Contingencies & Stationery	246·44	
Apparatus	740·81	
Chemicals & Fish	1,150·52	5,031·60
(b) Research Scheme on study of Microbial Flora Associated with Fresh water Fish in West Bengal as well as with the estuarine & deep sea Fish from Bay of Bengal :		
Staff	2,194·03	
Apparatus	989·72	
Chemicals & Fish	1,087·65	
Contingencies & Stationery	94·91	4,366·31
		65,613·30
To Balance Brought down		15,169·05
,, Unspent Balance of the C. S. I. R. Schemes transferred to Balance Sheet		8,807·64
		23,976·69

UNIVERSITY

Research & Indian Council of Agricultural Research

for the year ended 31st March 1958 (Contd.)

INCOME	Rs. nP.	Rs. nP.
Brought Forward		50,444·25
Excess of Expenditure over Income carried down		15,169·05
		65,613·30
By Balance carried forward from last year's Account		14,578·78
,, Excess Expenditure on Scheme of I. C. A. R. transferred to Balance Sheet		9,397·91
		23,976·69

GUPTA & MITRA
Chartered Accountants,
Auditors.

JADAVPUR UNIVERSITY

Statement of Expenditure out of Non-recurring Grant received from Govt. of India, University Grants Commission & Govt. of West Bengal upto 31st March, 1958.

Purpose of Grant	Total Grant Received upto 31st March, 1958.			Govt. of West Bengal			Total Grant Received upto 31st March 1958	Progressive total Expenditure upto 31s March 1957	Actual Expenditure during 1957-58	Progressive total Expenditure upto 31st March 1958	Unspent balance in hand as on 1-4-58
	Govt. of India. Grant Received upto 31st March 1957	University Grants Commission Grant Received during 1957-58	Progressive total upto 31st March 1958	Grant Received upto 31st March 1957	Grant Received during 1957-58	Progressive total upto 31st March 1958					
1	2	3	4 (2+3)	5	6	7 (5—6)	8 (4—7)	9	10	11 (9+10)	12 (8—11)
	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.	Rs nP.	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.	Rs. nP.
1. ENGINEERING & TECHNOLOGY :											
(i) Purchase of Equipment for the existing Degree courses ...	19,71,668·00	*Nil*	19,71,668·00	*Nil*	*Nil*	*Nil*	19,71,668·00	20,16,954·83	14,828·10	20,31,782·93	(—) *60,114·93*
(ii) Purchase of Equipment for Post Graduate Course in Engineering Geology... ...	40,000 00	*Nil*	40,000·00	*Nil*	*Nil*	*Nil*	40,000·00	39,367·81	915·93	40,283·74	(—) *283·74*
(iii) Purchase of Equipment for Development of Research in Chemical Engineering ...	20,000·00	*Nil*	20,000·00	*Nil*	*Nil*	*Nil*	20,000·00	18,517·05	Nil	18,517·05	1,482·95
(iv) Purchase of Equipment for Civil Engineering ...	1,00,000·00	*19,581·93*	80,418·02	50,000·00	*14,163·00*	35,837·00	1,16,255·02	Nil	64,599·78	64,599·78	51,055·24
(v) Purchase of Books for Civil Engineering ...	*Nil*	16,667·00	16,667·00	*Nil*	8,333 00	8,333·00	25,000·00	Nil	7,659·28	7,659·28	17,304·72
(vi) Building for Civil Engineering ...	1,00,000·00	1,00,000·00	2,00,000·00	50,000·00	*Nil*	50,000·00	2,50,000·00	34,115·92	3,66,863·79	4,37,469·85	82,530·15
(vii) Additional Accomodation for the existing Degree course on Engineering ...	80,000·00	1,50,000·00	2,30,000·00	40,000·00	*Nil*	40,000·00	2,70,000·00	36,490·14			
(viii) Purchase of Equipment for Expansion of training capacity of the existing Degree course in Engg. ...	*Nil*	2,19,832·00	2,19,832·00	*Nil*	*Nil*	*Nil*	2,19,832·00	Nil	80,274·35	80,274·35	1,39,557·65
(ix) For Building for Expansion of the Training Capacity of the existing Degree course in Engineering ...	*Nil*	1,12,500·00	1,12,500·00	Nil	Nil	Nil	1,12,500 00	Nil	Nil	Nil	1,12,500·00
(x) Purchase of Equipment for Chemical Engineering ...	*Nil*	*Nil*	*Nil*	63,000 00	Nil	63,000·00	63,000·00	36,683·42	27,026·47	63,709·89	(—) *709·89*
(xi) Purchase ofFurniture for Civil Engineering ...	*Nil*	*Nil*	*Nil*	Nil	Nil	Nil	Nil	Nil	6,489·20	6,489·20	(—) *6,489·20*
2. SCIENTIFIC EDUCATION & RESEARCH											
(i) Purchase of Equipment for Development of Research in Physics ...	50,000·00	15,000·00	65,000·00	25,000·00	7,500·00	32,500·00	97,500·00	10,290·31	54,768·58	65,058·89	32,441·11
(ii) Purchase of Equipment for Development of Research in Chemistry ...	50,000·00	15,000·00	65,000·00	25,000·00	7,500·00	32,500·00	97,500·00	12,006·25	63,620·55	75,626·80	21,873·20
(iii) Purchase of Books & Journals on Scientific & Technical subjects ...	30,000·00	10,000·00	40,000·00	Nil	Nil	Nil	40,000·00	16,275·66	24,167·48	40,443·14	*443·14*
(iv) Temperature & Humidity control arrangement in the Analytical Laboratory ...	*Nil*	17,510·00	17,510·00	Nil	Nil	Nil	17,510·00	Nil	899·30	899·30	16,610·70
(v) Purchase of Equipment for Fundamental Research to individual workers ...	*Nil*	24,250·00	24,250·00	Nil	Nil	Nil	24,250·00	Nil	16,431·35	16,431·35	7,818·65
(vi) Building for the College of Arts & Science ...	*Nil*	*Nil*	*Nil*	4,30,000·00	3,10,000·00	7,40,000·00	7,40,000·00	3,31,112·37	*2,36,236·66*	*5,67,349·03*	*1,72,650·97*
(vii) Equipment for the College of Arts & Science ...	*Nil*	*Nil*	*Nil*	1,00,000·00	2,25,000·00	3,25,000·00	3,25,000·00	34,156·30	1,13,042·33	1,47,198·63	1,77,801·37
(viii) Furniture for the College of Arts & Science ...	*Nil*	*Nil*	*Nil*	Nil	1,12,500·00	1,12,500·00	1,12,500·00	7,956·81	1,05,830·85	1,13,787·66	(—) *1,287·66*
(ix) For Purchase of Fans for the College of Arts & Science ...	*Nil*	*Nil*	*Nil*	Nil	7,700·00	7,700·00	7,700·00	Nil	Nil	Nil	7,700·00
(x) Purchase of Text Books for the College of Arts & Science ...	*Nil*	10,000·00	10,000·00	Nil	Nil	Nil	10,000·00	Nil	4,848·79	4,848·79	5,151·21
3. HUMANITIES :											
(i) Building for Library & Reading Room ...	1,33,000·00	1,00,300·00	2,33,300·00	66,500·00	200·00	66,700·00	3,00,000·00	1,50,932·55			
(ii) Purchase of Books & Journals on Humanities ...	50,000·00	30,000·00	80,000·00	Nil	Nil	Nil	80,000·00	19,316·27	2,46,278·41	3,97,210·96	(—) *97,210·96*
(iii) Post-Graduate & Research Scholarship on Humanities ...	*Nil*	800·00	800·00	Nil	Nil	Nil	800·00	Nil	44,402·28	63,718·55	16,281·45
									Nil	Nil	800·00
4. GENERAL :											
(i) Building for Recreation Hall-Cum-Auditorium ...	35,000·00	*Nil*	35,000·00	Nil	Nil	Nil	35,000·00	38,813·00			
(ii) Building for National Cadet Officers' Quarters ..	*Nil*	*Nil*	*Nil*	1,18,300·00	67,518·06	1,85,818·06	1,85,818·06	89,362·67	37,271·87	76,084·87	(—) *41,084·87*
									1,18,477·73	2,07,840·40	(—) *22,022·34*
	26,59,668·00	8,02,277·02	34,61,945.02	9,67,800·00	7,32,088·06	16,99,888·06	51,61,833·08	28,92,351·36	16,34,933·08	45,27,284·44	6,34,548·64
									Less Steel & Cement purchased for the various building projects and kept in Stock Account		54,570·10
										Rs.	5,79,978·54

Examined the above figures from the Books and found the same in accordance therewith. Subject to our separate report of even date, certified that the expenditure has been incurred for the purpose for which the Grants were sanctioned and that otherwise the terms and conditions mentioned in the section have been fulfilled.

Dated Calcutta the 18th October, 1958.
P-14, Mission Row Extension,
Calcutta.

GUPTA & MITRA,
Chartered Accountants,
Auditors.

JADAVPUR UNIVERSITY

SUBSIDIARY PRIZE & SCHOLARSHIP FUNDS

As on 31st March, 1958.

(A) DWIJENDRA MEMORIAL SCHOLARSHIP FUND

	Rs. nP.		Rs. nP.
To Expenses during the year	1,450·00	By Balance (as per last a/c.)	50,000·00
,, Balance Carried to Balance Sheet ...	50,000·00	,, Interest on investment	287·00
		,, Interest as Loans & Overdrafts ...	1,163·00.
	51,450·00		51,450·00

(B) HIRANMOYEE DEVI SCHOLARSHIP FUND.

	Rs. nP.		Rs. nP
To Expenses during the year	225·00	By Balance (as per last a/c)	195·00
,, Balance carried to Balance Sheet ...	120·00	,, Receipt during the year	150·00
	345·00		345·00

(C) KRISTO MOHAN BOSE STIPEND FUND

	Rs. nP.		Rs. nP.
To Expenses during the year	70·50	By Balance (as per last a/c.)	1,870·97
,, Balance Carried to Balance Sheet ...	1,824·41	,, Interest on investment	23·94
	1,894·91		1,894·91

(D) GOPI KRISTO BOSE STIPEND FUND

	Rs. nP.		Rs. P.
To Expenses during the year	47·00	By Balance (as per last a/c.)	1,949·50
,, Balance Carried to Balance Sheet ...	1,950·00	,, Interest on investment	47·50
	1,997·00		1,997·00

(E) MANILAL CHATTERJEE & OTHER STIPEND FUND

	Rs. nP.		Rs. nP.
To Expenses during the year	76·24	By Balance (as per last a/c.)	3,860·62
,, Balance Carried to Balance Sheet ...	3,815·82	,, Interest on investment	31·44
	3,892·06		3,892·06

(F) GANESH JANANI DEVI MEMORIAL FUND.

	Rs. nP.		Rs. nP.
To Balance carried to Balance Sheet	501·00	By Balance (as per last a/c)	501·00
	501·00		501·00

JADAVPUR UNIVERSITY

SUBSIDIARY PRIZE & SCHOLARSHIP FUNDS

As on 31st March, 1958.

(A) DWIJENDRA MEMORIAL SCHOLARSHIP FUND

	Rs. nP.		Rs. nP.
To Expenses during the year	1,450·00	By Balance (as per last a/c.) ...	50,000·00
,, Balance Carried to Balance Sheet ...	50,000·00	,, Interest on investment	287·00
		,, Interest as Loans & Overdrafts ...	1,163·00.
	51,450·00		51,450·00

(B) HIRANMOYEE DEVI SCHOLARSHIP FUND.

	Rs. nP.		Rs. nP
To Expenses during the year	225·00	By Balance (as per last a/c)	195·00
,, Balance carried to Balance Sheet ...	120·00	,, Receipt during the year	150·00
	345·00		345·00

(C) KRISTO MOHAN BOSE STIPEND FUND

	Rs. nP.		Rs. nP.
To Expenses during the year	70·50	By Balance (as per last a/c.)	1,870·97
,, Balance Carried to Balance Sheet ...	1,824·41	,, Interest on investment	23·94
	1,894·91		1,894·91

(D) GOPI KRISTO BOSE STIPEND FUND

	Rs. nP.		Rs. P.
To Expenses during the year	47·00	By Balance (as per last a/c.)	1,949·50
,, Balance Carried to Balance Sheet ...	1,950·00	,, Interest on investment	47·50
	1,997·00		1,997·00

(E) MANILAL CHATTERJEE & OTHER STIPEND FUND

	Rs. nP.		Rs. nP.
To Expenses during the year	76·24	By Balance (as per last a/c.)	3,860·62
,, Balance Carried to Balance Sheet ...	3,815·82	,, Interest on investment	31·44
	3,892·06		3,892·06

(F) GANESH JANANI DEVI MEMORIAL FUND.

	Rs. nP.		Rs. nP.
To Balance carried to Balance Sheet	501·00	By Balance (as per last a/c)	501·00
	501·00		501·00

JADAVPUR UNIVERSITY

SUBSIDIARY PRIZE & SCHOLARSHIP FUNDS—Contd.

(G) JATINDRA KRISHNA PRIZE FUND

	Rs. nP.		Rs. nP.
To expenses during the year	56·27	By Balance (as per last a/c.)	831·99
,, Balance Carried to Balance Sheet ...	799·24	,, Interest on investment	11·94
		,, Interest on Loans & overdrafts ...	11·58
	855·51		855·51

(H) ASOKE MEMORIAL PRIZE FUND

	Rs. nP.		Rs. nP.
To Expenses during the year	20·27	By Balanee (as per last a/c.)	481·27
,, Balance Carried to Balance Sheet ...	481·27	,, Interest on investment	10·31
		,, Interest on Loan & overdrafts ...	9 96
	501·54		501·54

(I) SUDHAKAR BURMAN MEMORIAL FUND.

	Rs. nP.		Rs. nP.
To Expenses during the year	20·94	By Balance (as per last a/c.)	801·00
,, Balance carried to Balance Sheet ...	801·00	,, Interest on Loans & overdrafts ...	20·94
	821·94		821·94

(J) SRISH CHANDRA BIRPRATAP MEMORIAL FUND

	Rs. nP.		Rs. nP.
To Expenses during the year	20·94	By Balance (as per last a/c.)	236·78
,, Balance carried to Balance Sheet	224·34	,, Interest on investment	8·50
	245·28		245·28

(K) P. N. BOSE MEMORIAL FUND.

	Rs. nP.		Rs. nP.
To Expenses during the year	20·94	By Balance (as per last a/c.)	1,000·00
,, Balance carried to Balance Sheet	1,000·00	,, Interest on Loans & overdrafts. ...	20·94
	1,020·94		1,020·94

(L) BIRESWAR DAS GUPTA MEMORIAL FUND

	Rs. nP.		Rs. nP.
To Expenses during the year	180·00	By Balance (as per last a/c.)	2,872·25
,, Balance carried to Balance Sheet ...	2,783·00	,, Interest on Investment	90·75
	2,963·00		2,963·00

JADAVPUR UNIVERSITY

SUBSIDIARY PRIZE & SCHOLARSHIP FUNDS—Contd.

(M) 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

(N) ALOKE KUMAR SARKAR MEMORIAL FUND

	Rs. nP		Rs nP.
To Balance carried to Balance Sheet ...	110·00	By Balance (as per last a/c)	50·00
		,, Receipt during the year	60·00
	110·00		110·00

(O) SURENDRA GHOSH MEMORIAL FUND

	Rs. nP.		Rs. nP.
To Balance carried to Balance Sheet ...	22,523·23	By Balance (as per last account) ...	21,816·31
		,, Interest on investment	696·92
		,, Fee for applications ...	10·00
	22,523·23		22,523·23

(P) ARUN KUMAR BANDOPADHYAY MEMORIAL FUND

	Rs. nP.		Rs. nP.
To Expetses during the year	20·94	By Recpt. during the year	2,000·00
,, Balance carried to Balanec Sheet ...	2,000.00	,, Interest on Loans & Overdrafts ...	20·94
	2,020·94		2,020·94

(Q) K. P. DAS GUPTA MEMORIAL FUND.

	Rs. nP.		Rs. nP.
To Expenses during the year	20·94	By Balance (as per last account) ...	520·94
,, Balance carried to Balance Sheet ...	507·25	,, Interest on Investment	7·25
	528·19		528·19

(R) MARY K. DAS & TARAK NATH DAS FUND

	Rs. nP.		Rs. nP.
To Balance carried to Balance Sheet ...	1,171·25	By Balance (as per last a/c.)	1,071·25
		,, Receipt during the year	100·00
	1,171·25		1,171·25

JADAVPUR UNIVERSITY.

SUBSIDIARY PRIZE & SCHOLARSHIP FUNDS—Contd.

(S) JYOTI NATH MEMORIAL FUND.

	Rs.	nP.		Rs.	nP.
To Balance carried to Balance Sheet ...	2,200·00		By Balance (as per last a/c.)	2,200·00	
	2,200·00			2,200·00	

(T) S. K. DUTTA MEMORIAL FUND.

	Rs.	nP.		Rs.	nP.
To Balance carried to Balance Sheet ...	351·00		By Balance (as per last a/c.)	351·00	
	351·00			351·00	

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NOT TO BE LENT OUT

