

29

M.S. University of Baroda

Twenty Ninth
Annual Report

1977-78

The Maharaja Sayajirao University
of Baroda



TWENTY-NINTH ANNUAL REPORT

1977-78

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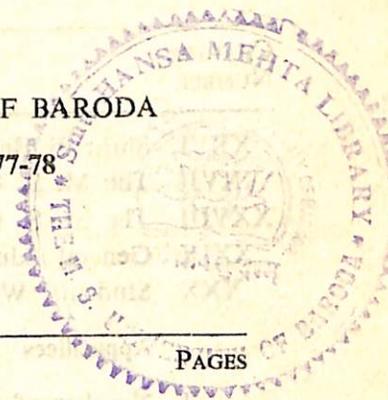
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THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

TWENTY-NINTH ANNUAL REPORT, 1977-78

(1st April, 1977 to 31st March, 1978)

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His Highness the Maharaja Sir Sayajirao Gaekwad of Baroda

TWENTY-NINTH ANNUAL REPORT, 1977-78

INTRODUCTION

The idea of a University at Baroda was first mooted in 1925 by the Baroda University Commission appointed by His Highness the Maharaja Sir Sayajirao Gaekwad of Baroda. With the expansion of higher education in the city in the decades following, the establishment of The Maharaja Sayajirao University was inevitable, and the teaching unitary university started on 30th April, 1949 with the following institutions :

(a) Constituent Institutions under the management of the University :

1. The Baroda Arts and Science College
2. The Pratapsinh College of Commerce and Economics
3. The Secondary Teachers Training College
4. The Kalabhavan and the Engineering College
5. The Music College
6. The Oriental Institute

(b) Constituent College under the management of the Government of Bombay :

7. The Baroda Medical College

(c) Constituent recognised Institutions under the management of the Government of Bombay :

8. The Baroda Museum and Picture Gallery
9. The Baroda Sanskrit Mahavidyalaya

By June, 1950 these institutions were reorganized into the six Faculties of Arts, Science, Education and Psychology, Medicine, Commerce and Technology and Engineering and three new Faculties of Fine Arts, Home Science and Social Work were also established. In 1951 the Baroda Sanskrit Mahavidyalaya and the Gujarati Section of the Old Baroda High School were taken over from the Government of Bombay. To day the University has the following Faculties and Institutions under it—Faculties of Arts, Science, Education and Psychology, Commerce, Medicine, Technology and Engineering, Fine Arts with the College of Indian Music, Dance and Dramatics, Home Science, Social Work, Law, Oriental Institute, Polytechnic, Sanskrit Mahavidyalaya, Centre for Continuing/Adult Education and Community Services and M. K. Amin Arts and Science College and College of Commerce, Padra.

With the introduction of the three year degree course in 1957, the first year after S.S.C. was placed under an institution called the Preparatory Unit—(Arts, Commerce and Science) while the second year (the intermediate year) was placed under the Faculty concerned as the first year of its three year degree course.

Growth of Student Enrolment

The University started with 2,962 students on its roll. In 1977-78, it had 19,486 University students and 2,197 non-University students. The following table gives student enrolment figures for the year 1972-73 to 1977-78 :

Year	Total enrolment	Percentage increase/decrease
1972-73	17,986	7.8
1973-74	18,551	3.1
1974-75	23,740	27.9
1975-76	21,138	-10.9
1976-77	20,664	- 2.3
1977-78	19,486	- 5.7

Sex-Ratio in different Faculties : The table below gives ratio of men to women students in various Faculties and Institutions of the University for the years 1950-51, 1960-61, 1970-71 and 1977-78 :

	1950-51		1960-61		1970-71		1977-78	
	Men %	Women %						
Arts	72.1	27.9	65.7	34.3	47.5	62.5	59.6	40.4
Science	—	—	87.5	12.5	72.2	27.8	70.7	29.3
Education and Psychology	87.2	12.8	63.0	37.0	30.7	60.3	37.1	62.9
Commerce	—	—	82.6	17.4	82.6	17.4	65.2	34.8
Medicine	89.8	10.2	82.6	17.4	84.0	16.0	83.4	16.6
Technology and Engineering	99.6	0.4	99.0	1.0	97.7	2.3	95.5	4.5
Fine Arts	—	—	83.6	16.4	73.0	27.0	73.5	26.5
Home Science	—	100.0	—	100.0	0.1	99.9	0.1	99.9
Social Work	85.8	14.2	75.0	25.0	56.0	44.0	62.0	38.0
Law	—	—	—	—	89.5	10.5	91.8	8.2
College of Indian Music, Dance and Dramatics	80.0	20.0	63.3	36.7	44.1	55.9	54.7	45.3
Baroda Sanskrit Mahavidyalaya	—	—	85.7	14.3	80.0	20.0	93.6	6.4
Preparatory Units	—	—	80.7	19.3	75.2	24.8	79.0	21.0
Polytechnic	—	—	99.6	0.4	99.4	0.6	99.9	0.1
Shri M. K. Amin Arts and Science College and College of Commerce, Padra	—	—	—	—	90.8	9.2	86.4	13.6

Student Enrolment in Post-graduate Courses has shown a steady rise from 1950-51. It was 304 to start with and reached 2,540 in 1977-78.

In 1950-51 there were 2,161 Under-graduate students in the different Faculties and Institutions of the University. That figure for 1977-78 is 14,355.

Percentage of Student Enrolment

Faculty	1973-74	1974-75	1975-76	1976-77	1977-78
Arts	12.3	14.7	13.2	12.1	14.9
Science	8.7	8.5	7.7	8.0	9.7
Education and Psychology	2.5	1.8	2.2	2.1	2.2
Commerce	16.0	17.4	17.0	15.0	15.8
Medicine	4.2	3.7	4.2	4.3	4.5
Technology and Engineering	14.4	12.7	13.8	14.8	15.9
Fine Arts	1.3	1.2	1.4	1.6	1.9
Home Science	3.8	3.5	4.5	4.9	4.8
Social Work	0.5	0.4	0.5	0.4	0.6
Law	5.8	8.2	5.5	5.8	7.2
Preparatory Unit—Arts and Commerce	8.6	9.0	10.0	11.7	6.2
Preparatory Unit—Science	5.8	5.0	5.7	6.4	1.0
M. K. Amin Arts and Science College and College of Commerce, Padra	7.4	4.6	4.9	3.1	4.1
College of Indian Music, Dance and Dramatics	0.5	0.4	0.4	0.5	0.5
Sanskrit Mahavidyalaya	0.3	0.3	0.3	0.3	0.2
Polytechnic	7.9	8.6	8.7	9.0	10.5
	100.0	100.0	100.0	100.0	100.0

University Teachers

University Teachers and the Staff-Student Ratio : The total number of teachers (including Teaching Assistants, Senior/Junior Instructors, Honorary, Research and Part-time Lecturers) in the Faculties and Institutions of the University during the year under report is 1,037 (including 136 teachers of the Medical College) as against the total student enrolment of 19,486. This gives an over-all teacher-student ratio of 1 : 18.8. The corresponding strength of University teachers and staff-student ratio over the last five years are indicated below :

Year	No. of University Teachers	Students Enrolment	Staff-Student Ratio
1973-74	980	18,551	1 : 18.9
1974-75	1,037	23,740	1 : 22.9
1975-76	1,012	21,138	1 : 20.9
1976-77	1,013	20,664	1 : 20.1
1977-78	1,037	19,486	1 : 18.8

Hostel and Health Services

Halls of Residence : With the repaid increase in student enrolment, the pressure of demand from students for accommodation in the University Halls of Residence has been increasing. All possible steps are being taken to increase the hostel facilities for students. At its start in 1949, the University had accommodation for only 400 men students and no accommodation for women students. At the end of the year under review there were 12 Halls for men and 4 for women students. There were 2,473 men students and 726 women students in the different Halls. The percentage of students residing in the University Hostels works out to 16.4. The corresponding figures for the five years are as under :

Year	Students residing in Hostels			Percentage of Resident Students to the Total Enrolment		
	Men	Women	Total	Men	Women	Total
1973-74	2,473	839	3,312	13.3	4.5	17.8
1974-75	2,545	800	3,345	10.7	3.4	14.1
1975-76	2,676	771	3,447	12.7	3.6	16.3
1976-77	2,533	750	3,283	12.3	3.6	15.9
1977-78	2,473	726	3,199	12.7	3.7	16.4

Health Services : The University staff, their families and the students avail themselves of the Health Centre facilities provided by University Health Centre. The following are the figures for the patients treated and daily average attendance over a period of last five years.

Year	No. of Cases Treated					
	Staff and their families	%	Students	%	Total Cases	Daily average attendance
1973-74	9,391	37.6	15,602	62.4	24,993	90.9
1974-75	10,875	37.2	18,390	62.8	29,265	80.2
1975-76	9,001	30.1	20,899	69.9	29,900	81.9
1976-77	9,208	30.2	21,295	69.8	30,503	103.4
1977-78	11,547	35.4	21,033	64.6	32,580	105.0

Noticing the difficulties of the employees staying outside the Camps area in taking advantage of the Health Centre, the University has provided health facilities to them at two Centres (established in 1973-74) — one near Kothi and the other in Bajawada and Pratapnagar localities.

The Medical Attendance Rules on the lines of those existing in the Government were implemented for the staff and their family members, covered under the Second Pay Commissions Scales of Pay.

Developments

The development activities during the preceding years are described in the twenty eight Annual Reports that have been published so far. This the twenty ninth Annual Report covers the period from 1st April, 1977 to 31st March, 1978 and is submitted to the Senate in accordance with Section 24 (2) of the Maharaja Sayajirao University of Baroda Act as amended up to date.

CHAPTER I—GENERAL

1. Institutions in the University

Constituent and Recognised Institutions (Under Sections 42 and 69 of the Act) :

(1) Faculty of Arts, (2) Faculty of Science, (3) Faculty of Education and Psychology, (4) Faculty of Commerce, (5) Faculty of Medicine, (6) Faculty of Technology and Engineering, (7) Faculty of Fine Arts, (8) Faculty of Home Science, (9) Faculty of Social Work, (10) Faculty of Law, (11) Oriental Institute, (12) College of Indian Music, Dance and Dramatics, (13) Baroda Sanskrit Mahavidyalaya, (14) Preparatory Unit — Arts and Commerce, (15) Preparatory Unit—Science, (16) M. K. Amin Arts and Science College and College of Commerce, Padra, (17) Polytechnic, (18) Museum and Picture Gallery, and (19) Centre for Continuing/Adult Education and Community Services.

2. Number of Students

The number of University students during the year was 19,486 (14,491 men students and 4,995 women students) and that of non-University students was 2,197 (1,401 men students and 796 women students). The details about students are given in Appendices I and II.

3. Special Features of the year

(1) Convocations :

(i) The Twenty Seventh Annual Convocation was held in a Shamiana in the University Gardens, Baroda on Saturday, 10th December, 1977. Shri Fatehsinhrao Gaekwad, the Chancellor presided. Honourable Shri Babubhai Jashbhai Patel, Chief Minister, Gujarat State delivered the Convocation Address. 3,548 degrees and diplomas were conferred.

(ii) The Eighteenth Supplementary Convocation was held on Sunday, 26th March, 1978. Professor P. J. Madan, Vice-Chancellor presided. 699 degrees and diplomas were conferred.

Appendix III gives details of degrees and diplomas conferred.

(2) New Courses

The following new courses were started :

(a) Ph.D. in Home Management at the Faculty of Home Science,

(b) Post-graduate degree course leading to M.A. in Museology in place of post-graduate diploma course in Museology.

(3) Development Schemes

(a) The University Grants Commission approved the following development schemes of the Faculty of Technology and Engineering during the Fifth Five Year Plan.

Items	Amount Rs.
(i) Buildings	19,00,000/-
(ii) Sheds	7,90,000/-
(iii) Equipment	52,33,000/-
(vi) Components	6,60,000/-
(vii) Books and Journals	12,00,000/-
(viii) Transport	80,000/-
(ix) Auditorium	1,00,000/-
(x) Teachig staff of 11 Professors, 29 Readers and 8 Lecturers	
(xi) Non-Teaching staff of one Deputy Librarian, 30 Technical Assistants, 2 Senior Technical Assistants and 5 Junior Technical Assistants.	

(b) The University Grants Commission has approved the scheme of establishment of a Computer Centre at this University and sanctioned the following grants :

(i) Computer	Rs. 35 to 37 Lakhs
(ii) Building including Air-Conditioning and installation of Computers	Rs. 3 Lakhs
(iii) Purchase of Computer time till the computer is installed and commissioned.	Rs. 50,000/- p.a.

(c) The Department of History of the Faculty of Arts has been selected by the University Grants Commission under its programme of Special Assistance. The Government of Gujarat has also agreed to take over the recurring liability of expenditure on staff and maintenance from 1-4-1984 when 100% financial assistance from the University Grants Commission ceases.

(d) The University Grants Commission released the second and third priority development schemes of Humanities, Social Sciences and Sciences of the Fifth Five Year Plan.

(i) Buildings	Rs. 25,00,000 (U.G.C.'s share)
(ii) Equipment	Rs. 20,00,000 (")

- (iii) Books and Journals Rs. 20,00,000 (U.G.C.'s share)
 (iv) Teaching and research staff of 2 Readers, one Lecturer, one Research Assistant, One Adhyapak and One Teacher.

The State Government's approval for their share of Rs. 25,00,000 for buildings and matching share for the posts of Lecturer is awaited.

- (e) With financial assistance from the Sir Sayajirao Memorial Trust and the Federation Samaj Kalyan Trust, the University started the Sir Sayajirao Memorial Trust I.A.S. Training Centre from July, 1977. It has a staff of one Honorary Director, One Steno-cum-Accounts and Office Assistant and one peon. Nine students were selected. admitted to the Centre in September, 1977 of whom seven were given scholarships of Rs. 250/- p.m. each. The financial assistance for scholarships to the trainees was received from Shri Dinesh Mills Foundation, Star Steel Private Limited, Surajaba Charitable Trust, Sir Purshottam and Diwaliba Charitable Trust and Gujarat State Fertilizers Co. Limited.

(4) *Buildings :*

- (a) The following new buildings were completed :

- (i) New Library Building for Under-graduate students
 (ii) New Building for Department of Pharmacy

- (b) The following buildings are under construction :

- (i) Teachers' Hostels—Two Blocks each of 12 flats
 (ii) 40 Quarters for Class IV Employees
 (iii) Extension of Law Faculty Building

(5) *Conferences, Seminars, Workshops :*

- (i) Summer Institute in English Language Teaching for College/University Teachers from 24th April, 1977 to 6th June, 1977.
 (ii) Refresher Course in Current Trends in Plant Science from 8th to 21st May, 1977.
 (iii) Seminar on Interdisciplinary Institutional Teams and Curriculum Leaders from 22nd June to 15th July, 1977.
 (iv) Seminar on Fast Power Flow Solution from 4th to 9th July, 1977.
 (v) Seminar Series organised by Baroda University Teachers Association on 2nd October, 1977.
 (vi) All India Workshop on the Problems of Teaching and Research in History of Arts in Indian Universities from 24th to 27th October, 1977.

- (vii) Five day Question Bank Workshop on "Strength of Materials, Electrical Power System and Automobile Engineering" from 24th to 28th October, 1977.
 (viii) National Seminar on Quaternary Environment with special reference to Western India from 21st to 23rd November, 1977.
 (ix) Seminar on Preparation of Hydrologic Data for Organisation of the Water Resource System from 1st to 21st May, 1977.
 (x) Seminar on Modern British Literature 1978 from 2nd to 12th January, 1978.
 (xi) Seminar on Banking Education Training and Research from 21st to 24th January, 1978.
 (xii) All India Symposium on Plant Tissue Cultures from 6th to 9th February, 1978.
 (xiii) Seminar on Surdas as follow-up Programme for celebrating the 400th Anniversary of Ramcharit Manas from 10th to 12th March, 1978.
 (xiv) West Zone Psychiatric Conference on 24th and 25th September, 1977.
 (xv) All India Physiotherapy Conference on 19th and 20th November, 1977.

(6) *Silver Jubilee Fund :*

The University had collected an amount of Rs. 33,47,195/- upto 31-3-1977. During 1977-78 University received an amount of Rs. 7,05,318. With this the total amount collected for the Silver Jubilee Fund is Rs. 40,52,513 as on 31-3-1978.

(7) *Visit :*

Honorable Shri Morarjibhai Desai, Prime Minister of India visited the M. S. University Union on Saturday, 15th October, 1977 and addressed the students and staff of the University at the University Pavilion.

4. *Teaching Staff*

The teaching staff (excluding 136 in Medical College) consisted of 69 Professors, 134 Readers, 622 Lecturers, 10 Senior Instructors and Ustads, 51 Honorary, Part-time and others, the total being 901 (Appendix IV).

5. *Facilities to the Teaching Staff for further Studies*

- (i) Teachers who were granted facilities earlier for further studies, research, training and who returned during the year :

Sr. No	Name and Designation	Qualifications/training acquired or gained
(1)	Dr. A. K. Matoo, Lecturer in Microbiology	Carried out Post-doctoral research work at University of Adelaide (Australia) and worked as Visiting Scientist at U.S. Deptt. of Agriculture BARC(W) Maryland (U.S.A.)
(2)	Dr. A. N. Kachhy, Lecturer in Microbiology	Acquired Post-graduate training in the field of Industrial Microbiology at the UNESCO Course, Tokyo, Japan.
(3)	Professor C. V. Ramkrishnan, Professor of Bio-Chemistry	Visited various Laboratories and Institutes in Nairobi, Copenhegan, Strasbourg, Glassgow, Toranto, Champaign, Atlanta, Berkley and Bangkok and attended International Congress of Neurochemistry and World Congress of Microbiology and Workshop on Applied Microbiology Book Writing.
(4)	Dr. (Smt.) R. Rajalakshmi, Professor of Applied Nutrition	Worked as a Winegard Visiting Professor in Guelph University, Visited various Laboratories and Institutes and attended Western Hemisphere Nutrition Congress at Quebec, International Congress of Neurochemistry at Copenhegan.
(5)	Dr. L. J. Parikh, Reader in Bio-chemistry	Worked with Professor K. H. Steinkraus at the Department of Food Science and Technology at Geneva.
(6)	Dr. Suresh S. Sail, Lecturer in Bio-chemistry	Worked with Professor H. G. Morgam at the Department of Pathological Biochemistry, University of Glassgow and Professor A. R. Kenny at the Department of Clinical Chemistry Victoria Infirmary, Glassgow, U.K.
(7)	Dr. (Miss) S. D. Telang, Lecturer in Bio-chemistry	Worked with Professor Mandal at the Neurochemistry Institute, Strasbourg, France.
(8)	Dr. P. K. Bhattacharya, Reader in Inorganic Chemistry	Completed higher studies and research at the Ohio State University, Columbus, U.S.A.

(ii) Teachers who were granted facilities for further studies, research and participation in International Conferences and Seminars, etc.

Sr. No.	Name and Designation	Purpose
(1)	Dr. A. K. Mattoo, Lecturer in Microbiology	To work as Visiting Scientist at U.S. Department of Agriculture, Maryland, U.S.A.
(2)	Dr. A. N. Kachhy, Lecturer in Microbiology	For Research-cum-orientation in Industrial Microbiology at Tokyo, Japan.
(3)	Shri M. M. Gandotra, Demographer, Demographic Research Centre	To participate and to present a paper entitled, ' Factors Affecting Seminal Mortality in an Indian Community ' at the Conference held at Mexico City, U.S.A.
(4)	Shri Narayan Das, Research Officer, Demographic Research Centre	To participate in the 8th Summer Seminar on ' Demographic Analysis, for Population Policy in Asia and the Pacific ', organised by the East West Centre Population Institute, Honolulu, Hawaii, U.S.A.

(iii) Six lecturers of the Polytechnic have been given facilities to do their Part-time Degree in Engineering and 10 lecturers to do their Master of Engineering Course at the Faculty of Technology and Engineering.

6. University Examination Results

Fifty nine candidates were declared qualified for the award of Ph.D. degree of this University during the year 1977-78. A statement showing the names, subjects and titles of the thesis is given in Appendix V.

Statements showing the University examinations results of (i) March-April-May-June, 1977 and (ii) October-November, 1977 are given in Appendices VI and VII.

7. Endowments and Donations

The Syndicate accepted the following donations during the year:

Name of the Fund	Amount of Donation Rs.	Purpose
1	2	3
(i) Justice Shri S. M. Shah Prize for New S.S.C. Examination Fund donated by Justice Shri S. M. Shah (Retired) Chowpatty Bombay-7	2,500/-	For awarding a cash prize to a student who passes the new S.S.C. Examination held after Xth Class conducted by the Gujarat Secondary Education Board, Gandhinagar, with highest number of marks in aggregate from amongst all the students who appear from the University Experimental School, M. S. University of Baroda at the said Examination in March/April at first attempt.
(ii) Principal C. H. Vora Memorial Gold Medal in Electronics Fund donated by Mrs. Shaila Loiblein (daughter of Principal C. H. Vora)	8,000/-	For awarding a Gold Medal to a student who has passed the final year B.E. (Electronics) Examination held by the M. S. University of Baroda in April/May in First Class at the first attempt obtaining the highest number of marks in aggregate thereat from amongst all the students who have appeared at the said examination from both the streams.
(iii) Professor J. C. George Gold Medal Fund offered by the President, Zoological Society, Faculty of Science, M. S. University of Baroda, Baroda	8,000/-	For awarding a Gold Medal to a student who has passed the M.Sc. (Zoology) Examination held by the M. S. University of Baroda in March/April as a regular student in the First Class, at the first attempt, obtaining the highest number of marks in aggregate thereat.
(iv) Shri S. B. Awsare, Memorial Prize Fund donated by Mrs. Sunita S. Awsare, Baroda	3,000/-	For awarding a cash prize to a student who has passed the final year B.E. (Chemical) Examination held by the M. S. University of Baroda in March/April as a regular student with atleast second class at

1	2	3
		the first attempt, obtaining the highest number marks in aggregate thereat, considering results of First and Second Semester Examinations.
(v) Manglaben S. Dani Prize for M.S.W., Fund donated by Smt. Manglaben S. Dani, Baroda	2,500/-	For awarding a cash prize to a student who has passed the final year M.S.W. Examination held by the M. S. University of Baroda in March/April as a regular student with atleast ' B ' Grade, obtaining Second rank in order of merit at first attempt.
(vi) Manglaben S. Dani Prize for Library Science Fund donated by Smt. Manglaben Dani, Baroda	2,500/-	For awarding a cash prize to a student who has passed the Bechalar of Library Science Examination held by the M. S. University of Baroda in March/April as a regular student, with atleast Second Class at the first attempt obtaining the highest number of marks in aggregate thereat.
(vii) Mistry Natvarlal Kalidas Kantharia Prize Fund donated by Shri M. N. Kantharia, Baroda	3,000/-	For awarding every year a prize in cash to a regular student who has passed B.E. IV (Mechanical) Examination held by the M. S. University of Baroda, Baroda in March/April at the first attempt with atleast Second Class, obtaining the highest number of marks in the subject of " Mechanical Technology and Practice " (Theory, Practical and Term Work).
(viii) Amita Vishnuprasad Vyas Memorial Gold Medal donated by Shri Shailesh V. Vyas Skikda (Algeria)	8,000/-	For awarding a Gold Medal to a student who has passed the final year B.Com Examination with Accountancy and Auditing as special subject held by the M. S. University of Baroda in March/April as a regular student in First Class at the first attempt, obtaining the highest number of marks in aggregate thereat.

1	2	3
(ix) Shri C. C. Patel, (Retired Asstt. General Manager, Central Bank of India, Gujarat Region) Scholarship Fund donated by Shri C. C. Patel's Fare- well Function Com- mittee (Staff of Central Bank of India—Anand and Baroda Division), Baroda	6,000/-	For awarding a scholarship, in two half yearly equal instalments to a regular stu- dent who has passed the B.Com. Exa- mination held by the M. S. University of Baroda in March/April, at the first attempt, with atleast Second Class, obtaining the highest number of marks in the subject of Banking as his optional subject at the said examination and prosecutes his further studies either in Post-Graduate Degree or Diploma in the Faculty of Commerce, M. S. University of Baroda.
(x) Shri Chiman Rao Daulatram Trivedi and Smt. Parmanba C. Trivedi Scholar- ship Fund donated by Smt. K. N. Trivedi, Petlad	6,000/-	For awarding scholarship every year in two equal instalments to a regular student who has passed the M.Sc. Chemistry (Previous) Examination of the M. S. University of Baroda held in March/April at first attempt, obtaining the highest number of marks thereat and who prosecutes his further studies for M.Sc. (Chemistry) Final Year Course, Faculty of Science, M. S. University of Baroda.
(xi) Shri Kamal Roy Bhatt Memorial Prize Fund donated by Department of Micro- biology, Faculty of Science, M. S. Uni- versity of Baroda, Baroda	2,500/-	For awarding a prize in cash to a regular student who has passed the M.Sc. (Pre- vious) Examination with Microbiology held by the M. S. University of Baroda in March/ April at the first attempt, obtaining the highest number of marks in aggregate thereat.

8. Finances of the University

(1) Capital Accounts :

Statements showing the income and expenditure of the (i) University
General Fund (ii) Ayurvedic Research Fund (iii) Post-graduate Instruction
and Research Fund during the financial year 1977-78 are given in Appendix VIII.

(2) Revenue Accounts :

The receipts and disbursements during the financial year 1977-78 were
Rs. 3,35,86,416-55 and Rs. 3,93,57,240-15 respectively leaving a deficit of
Rs. 57,70,823-60. Details of the Accounts are given in Appendix IX.

(3) Grants :

The University received grants totalling Rs. 49,60,319-12 for development
schemes from the University Grants Commission and Government of Gujarat
and for various research schemes, from the Central Ministries, State Government
Departments, C.S.I.R., United States Department of Agriculture, Ford Foundation
and other outside agencies. The details re given in Appendix X.

9. Construction Division

(1) Capital Works :

The Division supervised the construction of various buildings, extentions,
additions and alterations and an amount of Rs. 9,47,280-67 was spent during
the year on Capital Works.

(2) Ordinary and Special Repairs :

The expenditure on Ordinary Repairs during the year was Rs. 4,37,824-99
and on Special Repairs was Rs. 1,66,474-76.

CHAPTER II—OFFICERS OF THE UNIVERSITY

Officers

- (1) *Chancellor* Shri Fatehsinhrao Pratapsinhrao Gaekwad
 (2) *Vice-Chancellor* Professor P. J. Madan
 (3) *Pro-Vice-Chancellor* Professor S. M. Sethna
 (4) *Deans :*

Faculty

Dean

- (i) Arts Professor A. G. Javadekar
 (Upto 30-4-1977)
 Professor J. D. Birje-Patil
 (From 1-5-1977)
- (ii) Science Professor S. S. Merh
 (iii) Education and Psychology Professor A. S. Patel
 (iv) Commerce Professor H. P. Chokshi
 (v) Medicine Dr. V. P. Bhatt
 (vi) Technology & Engineering Professor S. M. Sen
 (vii) Law Professor H. C. Dholakia
 (viii) Fine Arts Professor Ratan Parimoo
 (ix) Home Science Professor (Kumari) Padma S. Chari
 (x) Social Work Dr. S. R. Yardi
- (5) *Registrar* Shri K. A. Amin
 (6) *Librarian* Dr. L. M. Padhya

(7) Other Officers :

Designation

Name

- (i) Dean, Medical College Dr. V. P. Bhatt
 (ii) Director, Oriental Institute Professor A. N. Jani
 (iii) Principal, College of
 Indian Music, Dance
 and Dramatics Shri M. J. Bhatt
 (iv) Principal, Sanskrit
 Mahavidyalaya Dr. P. K. Dongre
 (v) Principal, Polytechnic Professor M. R. Panchal

- (vi) Principal, M. K. Amin Shri M. C. Patel (Upto 30-4-1977)
 Arts and Science College Shri I. A. Dave (From 1-5-1977)
 and College of Commerce,
 Padra
 (vii) Head, Preparatory Unit— Shri J. D. Desai
 Arts and Commerce
 (viii) Head, Preparatory Unit— Dr. S. K. Shah
 Science
 (ix) Incharge Director, Centre Dr. (Kum.) Malathi Chakravorty
 for Continuing/Adult Edu-
 cation and Community
 Services

CHAPTER III—THE SYNDICATE AND THE SENATE

1. The Syndicate

The Syndicate consisted of 15 members. The following persons were members of the Syndicate :

1. Professor P. J. Madan, Vice-Chancellor
2. Professor S. M. Sethna, Pro-Vice-Chancellor
3. Director of Education or his nominee
4. Shri Charan Singh Chawla
5. Professor H. P. Chokshi
6. Dr. C. P. Munshi
7. Shri F. H. Palejwala
8. Shri N. M. Pandya
9. Shri C. M. Parikh
10. Shri D. K. Patel
11. Dr. M. A. Patel
12. Dr. T. V. Patel
13. Professor S. M. Sen
14. Dr. S. K. Shah
15. Shri P. B. Zaveri

During the year the Syndicate held 19 meetings at which 748 items were considered and resolutions passed on them. The following statement shows the attendance of the members at the Ordinary and Special meetings of the Syndicate during the year :

Name	No. of meetings held	Class of meetings		Present
		O.= Ordinary	S.= Special	
1	2	3	4	
1. Professor P. J. Madan, Vice-Chancellor	21	O. 11 S. 10	O. 9 S. 8	
2. Professor S. M. Sethna, Pro-Vice-Chancellor	21	O. 11 S. 10	O. 11 S. 9	
3. Director of Education or his nominee	21	O. 11 S. 10	O. 4 S. —	
4. Shri Charan Singh Chawla	21	O. 11 S. 10	O. 10 S. 9	

	1	2	3	4
5. Professor H. P. Chokshi	21	O. 11 S. 10	O. 11 S. 9	O. 10 S. 9
6. Dr. C. P. Munshi	21	O. 11 S. 10	O. 11 S. 9	O. 11 S. 9
7. Shri F. H. Palejwala	21	O. 11 S. 10	O. 11 S. 7	O. 9 S. 7
8. Shri N. M. Pandya	21	O. 11 S. 10	O. 11 S. 9	O. 10 S. 9
9. Shri C. M. Parikh	21	O. 11 S. 10	O. 11 S. 9	O. 9 S. 9
10. Shri D. K. Patel	21	O. 11 S. 10	O. 11 S. 9	O. 11 S. 9
11. Dr. M. A. Patel	21	O. 11 S. 10	O. 11 S. 9	O. 10 S. 9
12. Dr. T. V. Patel	21	O. 11 S. 10	O. 11 S. 9	O. 7 S. 9
13. Professor S. M. Sen	21	O. 11 S. 10	O. 11 S. 10	O. 11 S. 10
14. Dr. S. K. Shah	21	O. 11 S. 10	O. 11 S. 8	O. 11 S. 8
15. Shri P. B. Zaveri	21	O. 11 S. 10	O. 11 S. 9	O. 9 S. 6

2. The Senate

The Senate consisted of 99 members. The changes in the membership during the year were as under :

- (i) Shri V. R. Mehta ceased to be member of the Senate.
- (ii) Sarvashri S. S. Shukla and S. B. Kulkarni became members of the Senate.

The Senate met twice during the year on 11th December, 1977 and 26th March, 1978. Seventy-four members attended the meeting on 11th December, 1977 and Seventy-two on 26th March, 1978.

Meeting of December, 1977 :

Professor P. J. Madan was elected Vice-Chancellor. Seven Fellows were assigned to the Faculties. Lapsed grants amounting to Rs. 1,46,660-00 in the Capital Budget and Supplementary Grants amounting to Rs. 4,62,735-00 in the Revised Budget were sanctioned. Ordinances and Rules mentioned in Pamphlet No. 19 of Handbook, Part II-1967 and Ordinances relating to the examination, syllabi, standard of passing, etc. passed by the Syndicate for various courses of the Faculty of Home Science were considered and passed. The proposal to amend Section 27 of the Act and Statute Nos. 81, 69, 70, 83, 91, 155, 195, 199, 200, 204 and

205 in the matter of changing the nomenclature of College of Indian Music, Dance and Dramatics to Faculty of Performing Arts was passed. The Twenty-eighth Annual Administration Report and Twenty-eighth Annual Accounts of the University for the year 1976-77 were passed and the excess of expenditure over the revised estimates for the year 1976-77 were also approved. The Report of the Board of Accounts for the year 1976-77 was noted. The proposal for the institution of posts for the Faculty of Science was considered and passed. The proposal for the institution of Medals and Prizes was passed.

Meeting of March, 1978 :

Professor S. M. Sethna was elected Pro-Vice-Chancellor, Five Teachers—Professor V. N. Kothari, Shri Markand J. Bhatt, Professor R. V. Shah, Professor P. V. Parikh and Dr. P. M. Trivedi—were also elected to the Council of Post-graduate Studies and Research. The revised estimates for the year 1977-78 and the estimates for the year 1978-79 as set out in detail in the Financial Statement were approved with the proviso that the disbursement entries for the Faculty of Science in the estimates for the year 1978-79 be readjusted to provide for one additional post of a Junior Observer and one additional post of a Peon for the Observatory. All other relevant entries be also changed accordingly. Ordinances mentioned in Pamphlet No. 20 of Handbook, Part-II 1967 were passed. The proposal for the addition of new Statute 137-A was returned to the Syndicate for reconsideration. The proposal for the institution of posts for the Faculty of Arts, Faculty of Education and Psychology and Faculty of Commerce was considered and passed. The proposal for the institution of Fellowships, Scholarships, Prize and Medal was passed.

CHAPTER IV—OTHER AUTHORITIES OF THE UNIVERSITY

1. Council of Post-graduate Studies and Research

The Council of Post-graduate Studies and Research met on 4th April, 26th August, and 19th December, 1977. The following were the main items considered and recommended by the Council and approved subsequently by the Syndicate.

- (a) A Committee was appointed with powers of the Council to consider and recommend directly to the Syndicate (i) proposals for continuation of the various research schemes previously approved and (ii) new research schemes for implementation during 1978-1979.
- (b) Panels of names of referees to examine theses of 61 students for the award of Ph.D. degree in different subjects.
- (c) Recognition of 26 teachers as Post-graduate teachers for guiding students for Ph.D. degree in different subjects and for various post-graduate courses including those of the Faculty of Medicine.
- (d) Recommended sanction of a grant of Rs. 6,000/- for the year 1978-79 towards research work done by the Textile and Allied Industries Research Organisation, Baroda.
- (e) Recommended extension of period to 16 students to submit their Ph.D. theses late under O. Ph.D. 4 (iii).
- (f) Registration of 10 students were cancelled under O. Ph.D. 3 (vi).
- (g) Resolved to recommend that the concerned Heads of the Departments be authorised to send a copy of each of the Ph.D. theses in Social Sciences which are accepted by the University with effect from 1st January, 1977 and onwards directly to the I.C.S.S.R., New Delhi at their own discretion if they deem proper, subject to the payment of Rs. 400/- per thesis to the candidates concerned as proposed by the Secretary, I.C.S.S.R., New Delhi in his D.O. letter No. F.THI ACQ/76-55 DC dated 18-1-1977.
- (h) Rules for sanctioning financial assistance for Research Schemes were amended and made up-to-date almost on par with the U.G.C. rules.
- (i) Resolved that the question whether any course work is necessary as a pre-requisite for Ph.D. studies, be left to the discretion of each individual Faculty.

- (j) Amended the existing O. Ph.D. 5 and rules relating to the recognition of persons as University teachers for post-graduate courses in the Faculty of Medicine as per recommendation made by the Medical Council of India.
- (k) Made provision that appointment of the same set of examiners in the University for the Ph.D. theses on related topics should be avoided.
- (l) Made provision for introduction of the Ph.D. degree in Home Management under the Faculty of Home Science.
- (m) Made provision that the teachers who are already recognised as post-graduate teachers in Physics, Chemistry and Mathematics and are working in Applied Mathematics Department be deemed as recognised teachers for post-graduate teaching and research in the field of Applied Physics, Applied Chemistry and Applied Mathematics respectively under the Faculty of Technology and Engineering.

2. Faculties

There are ten Faculties in the University. Their meetings were held during the year as shown below. The Faculty of Social Work could not meet during the period under report :

Sr.No.	Name of the Faculty	Date of the meeting
1.	Arts	16-1-1978
2.	Science	19-1-1978
3.	Commerce	14-12-1977
4.	Education and Psychology	15-12-1977
5.	Medicine	31-12-1977
6.	Technology and Engineering	8-2-1978
7.	Fine Arts	18-1-1978
8.	Home Science	13-1-1978
9.	Law	11-12-1977

(1) Faculty of Arts :

- (i) Recommended revised syllabi in the subject of Pali (Optional) for F.Y.B.A. examination.
- (ii) Recommended text-books in Persian and Urdu from F.Y.B.A. to M.A. examinations for the year 1979.
- (iii) Recommended details of courses, text-books etc. for T.Y.B.A. examination in Hindi.

- (iv) Recommended that atleast one tutorial per paper per batch of 20 students be introduced in S.Y.B.A./T.Y.B.A. in Hindi Major subject as there will be no financial implications on the part of the University in implementing it.
- (v) Recommended new syllabi, text-books for the various papers for the S.Y.B.A. (Minor), M.A. Part I, M.A. Part II examinations in the subject of Gujarati.
- (vi) Recommended that the present courses in English, and Text-books be continued for the academic year 1978-79.
- (vii) Recommended that the present course in voluntary English of two years in respect of Shastri Degree Course be made of three years and it be accepted in principle.
- (viii) Recommended revised courses for B.A. and M.A. in Sociology.
- (ix) Recommended that the teacher student ratio has to be low for upgrading the standard of students with a view to giving more attention to each student and bring him up to the expected standard.
- (x) Recommended proposed modifications for M.A. courses in History.
- (xi) Recommended additional Books for F.Y.B.A. Paper I, M.A. Part I—Paper I and Paper IV and M.A. Part II—Paper V.
- (xii) Recommended text-books in Marathi for F.Y.B.A., S.Y.B.A. and T.Y.B.A. examinations for the year 1979, 80 and 81.
- (xiii) Made a provision to separate the Principal and Subsidiary Papers in Marathi at M.A. level.
- (xiv) Recommended the revised syllabi, scheme of examination, Ordinances for the Bachelor of Library Science Degree Course.
- (xv) Recommended a certain pattern for restructuring of the F.Y.B.A., S.Y.B.A. and T.Y.B.A. courses in view of 10 + 2 + 3 pattern of education in the State.
- (xvi) Recommended that the introduction of the semester system be postponed till the teacher student ratio in the Faculty of Arts generally improves and stabilizes.
- (2) Faculty of Science :
- (i) Recommended two theory papers and one practical and their details for the F.Y.B.Sc. course in Geography.
- (ii) Recommended revised syllabi for F.Y.B.Sc Paper I entitled "Analytic Geometry and Algebra" in Mathematics.
- (iii) Recommended that the marks for dissertation for M.Sc. (Microbiology) course be raised from 40 to 60.
- (iv) Recommended that Dr. M. R. S. Iyengar's proposal of starting a one year post-graduate Diploma course in Microbial Technology after B.Sc. be approved in principle.

- (v) Recommended revised syllabi for Paper I and Paper II in the subject of Statistics for F.Y.B.Sc. course.
 - (vi) Recommended revised syllabi, scheme of examination for M.Sc. (Previous) Statistics.
 - (vii) Recommended revised pattern for B.Sc. (Principal) Statistics.
 - (viii) Recommended revised syllabi for F.Y.B.Sc., S.Y.B.Sc. and T.Y. B.Sc. in Zoology.
 - (ix) Made a provision that the Department of Zoology will be free to decide which of the various special subjects be taught at the M.Sc. (Previous) or M.Sc. (Final) levels each year. No candidate will be permitted to offer the same special subject at both the examinations.
- (3) *Faculty of Commerce :*
- (i) Recommended text book for B.Com. students reading for the paper "Indian Economic Problems" and reference books for the subject of Economics of Agriculture for students of M.Com. Part II and Post-Graduate Diploma in Cooperation.
 - (ii) Recommended revised syllabi for the paper entitled "Organised Markets (now renamed as Advanced Marketing)" for being taught at M.Com. Part I.
 - (iii) Recommended revised syllabi for the Paper entitled "Marketing Management" for being taught at M.Com. Part II.
 - (iv) Recommended revised syllabi for the paper entitled "Transport Management" (now renamed as Physical Distribution Management) of M.Com. Part I.
 - (v) Recommended revised syllabi for the paper entitled "Production Management" (now renamed as Advanced Personnel Management) for being taught at M.Com. Part II.
- (4) *Faculty of Education and Psychology :*
- (i) Recommended that the students who have passed the B.Ed. examination and possess 15 years' teaching experience cannot be permitted straightway to register for Ph.D. studies in the Faculty of Education and Psychology.
 - (ii) Recommended certain criteria for preparing and recommending the panels of referees for examining Ph.D. theses.
 - (iii) Amended M.Ed. 4 relating to writing of the dissertation at the M.Ed. course.
 - (iv) Recommended that no preference be given to students who have after B.Ed. degree at least two years' teaching experience in recognised secondary schools of practical experience in any education department, for granting admission to the M.Ed. course.

- (v) Recommended that the existing 2 credits for compulsory courses prescribed for B.Ed. and M.Ed. be raised to 3 credits.
- (5) *Faculty of Medicine :*
- (i) Recommended that the existing M.D. Pathology degree course be bifurcated into M.D. Pathology degree course and M.D. Microbiology degree course and the revised syllabi and schemes of examinations be academically approved.
 - (ii) Made a provision that students who have passed the Higher Secondary Examination (XII Std.) of the Gujarat State with English at higher level, Physics, Chemistry, Biology and Mathematics as subjects with atleast 50% marks or an examination recognised as equivalent with the aforesaid subjects and percentage marks be considered eligible for seeking admission to the F.Y.B. Physiotherapy course of this University from June 1978 and onwards. The students who have passed the Preparatory Science examination of this University or an examination recognised as equivalent thereto with atleast 50% marks in the aggregate will be also considered eligible for seeking admission to the F.Y.B. Physiotherapy course upto June 1979 admissions.
 - (iii) Amended O. M-1 governing the provision for the minimum admission requirements for M.B.B.S degree course.
 - (iv) Recommended that the examiners for the various examinations of the Faculty of Medicine should generally be appointed only for two years/four years.
- (6) *Faculty of Technology and Engineering :*
- (i) Recommended that the proposal of renaming and awarding the degree of "Master of Engineering in Environmental Engineering" instead of Engineering in Public Health Engineering be approved and made effective from June, 1978.
 - (ii) Recommended that the proposal of renaming and awarding the degree of "Master of Engineering (Civil) in Geotechnical Engineering" instead of "Master of Engineering (Civil) in Soil Mechanics and Foundation Engineering" be approved and made effective from June, 1978.
 - (iii) Recommended that the proposal of introducing term work including Viva-Voce of 50 marks in the subject of "Planning Plant and Construction" at the second semester of B.E. V (Civil) be approved and made effective from June, 1978.
 - (iv) Recommended that the existing schemes of teaching and examinations of B.E. V (Mechanical) at the first and second semesters

be revised and approved with a view to making elective subjects in Production Engineering compulsory ones.

- (v) The recommendations of the U.G.C. that the appointment of same set of examiners in the Universities or Ph.D. theses on related topics should be avoided be approved in principle.
- (vi) Recommended that the proposal to revise the scheme of examination and syllabi for D.T.T. and D.T.C. courses be approved.
- (vii) Recommended that the existing scheme of teaching and examination syllabi for the B.Tech. V (Electrical) degree course be revised and approved and the same be implemented from the academic year 1978-79.
- (viii) Recommended that the proposal from the Chairman, Board of Studies in Architecture in the matter of approving the details of syllabi, scheme of examinations, admission requirements, standards of passing, award of classes etc. in respect of the proposed one year post-graduate Diploma Course in Housing to be started in the Department of Architecture be approved academically.
- (ix) Recommended that the existing syllabi in the subject of Physics for the Diploma Courses in Textile Technology and Textile Chemistry and for the first year Degree Course in Pharmacy be revised and approved and made effective from the academic year 1978-79.
- (x) Recommended that the existing syllabi for Mathematics I and Mathematics II of the B.Pharm I course be revised and approved and made effective from the academic year 1978-79.
- (xi) Recommended that the existing syllabi, standards of passing etc. prescribed for the M.Sc. Applied Mathematics be revised and approved.
- (xii) Recommended that the proposed transitory ordinances relating to the scheme of teaching and examination for the B.Pharm. III and B.Pharm. IV degree courses be modified and approved.
- (xiii) Recommended that the proposed existing scheme of teaching and examination, details of syllabi etc. in the subject of Inorganic Pharmaceutical Chemistry for the B.Pharm I degree course be modified and approved.
- (xiv) Recommended that the existing subjects prescribed for the B.Pharm. II, B.Pharm. III and B.Pharm. IV courses be regrouped as discussed at the Board's meeting and the same be approved.
- (xv) Recommended that the existing provision regarding 6 weeks' practical training in Industry at the end of B.Pharm. III be discontinued and compulsory 12 weeks' practical training in Industry be introduced in place of the existing 6 weeks practical training at the end of B.Pharm. IV examination. The candidates who have not satisfac-

torily undergone the required 12 weeks of practical training in Industry, be not considered eligible for the award of the B.Pharm. degree by the University.

- (xvi) Recommended that the M.Pharm. degree course be introduced in the University as early as possible subject to the approval of the financial implications by the competent authorities.
- (xvii) Recommended that the pattern for the B.Pharm. degree course should be 10 + 2 + 4.
- (xviii) Recommended that weightage of internal marks viz. 50% be also introduced progressively for the various Diploma courses in Engineering in Polytechnic and Faculty of Technology and Engineering upto 2nd year in view of S.R. No. 3 (11) (v) dated 14-4-1977 from the 2nd year admission of 1978-79.

It was further recommended that internal assessment marks (credit marks) earned by a student at the under-graduate degree and diploma courses be shown in the tabulation result sheet even though the student has remained absent at any of the examinations of the above courses wholly or partly from the examinations of 1977 and onwards and that these marks shown in the tabulation be distinguished by denoting a sign. Such students should get all other benefit of the general provision pertaining to pass A.T.K.T., class etc. in case they are otherwise eligible.

- (xix) Recommended that semester system be implemented from June, 1978 in Polytechnic for the C.M.E. Diploma courses. The syllabi, scheme of examinations, etc. for the 1st year Diploma in C.M.E. be approved as prescribed by the Director of Technical Education for Government Polytechnics.
- (7) *Faculty of Fine Arts :*
- (i) Recommended syllabi, schemes of examinations for University as well as internal examinations, general instructions for the new 4 year degree and diploma courses in the Faculty of Fine Arts.
 - (ii) Recommended that pottery and ceramics be one of the optional subjects for all the 4 years specialization courses in painting and sculpture.
 - (iii) Recommended the introduction of Screen Printing Course for M.A. (Fine) Print Making course in the Faculty.
 - (iv) Made a provision that students who have passed the Higher Secondary examination of XII Std. of the Gujarat State as regular candidates or an examination recognised as equivalent thereto be

considered eligible for seeking admission to the Diploma in Dramatics of the College of Indian Music, Dance and Dramatics even if they have not passed the aforesaid examination with English as one of the subjects.

- (v) Made a provision that students who have passed the old S.S.C. examination of Gujarat State irrespective of their having passed it in the subject of English be considered eligible for seeking admission to the Diploma in Dramatics if they are otherwise eligible for admission as per existing rules.
 - (vi) Recommended admission requirements for the new 3 year B.Mus. degree course in Music, Dance and Dramatics on account of introduction of the Higher Secondary Education pattern in Gujarat State.
 - (vii) Recommended that the proposed guidelines for the aptitude test for regulating admissions of students to the new 4 year degree and diploma courses of the Faculty of Fine Arts be approved with certain modifications.
- (8) *Faculty of Home Science :*
- (i) Recommended revised titles of the papers for post-graduate diploma in Pre-school Education, to be effective from March/April 1979 examination.
 - (ii) Recommended revised scheme of credit distribution for the three year B.Sc. (Home) degree course including specialisation in Child Development under 10 + 2 + 3 pattern of Education.
 - (iii) Recommended revised tentative plan for introducing 3 year degree course in Home Science as proposed by the Board of Studies in Foods and Nutrition.
 - (iv) Recommended 3 year B.Sc. (Home) degree programme, syllabi etc. as proposed by the Board of Studies in Clothing and Textiles.
 - (v) Recommended revised B.Sc. (Home) specialization programme for Home Science Education and Extension for new scheme of three year B.Sc. (Home) degree course.
 - (vi) Approved the revised General Home Science Programme under the new scheme of three year B.Sc. (Home) degree course.
 - (vii) Approved the revised course outlines in respect of (a) Introduction of Home Science Education, (b) Seminar and (c) Special project for the B.Sc. (Home) degree programme.
 - (viii) Recommended the new courses under the B.Sc. (Home) degree programme as proposed by the Board of Studies in Home Science Education and Extension.

- (ix) Recommended that the three hour written comprehensive examination based on course work be introduced at the M.Sc. level and the question paper for the same be drawn and examined by the same Board of Examiners for Viva-Voce.
 - (x) Recommended that the proposed Home Management courses to be offered for 3 year B.Sc. (Home) degree programme in General Home Science be approved.
 - (xi) Recommended that the distribution of weightage for the Final Class Grade and the Final Examination Grade for the M.Sc. (Home) programme be 2/3 and 1/3 respectively and the existing O. H.S. 22 and O. H.S. 20 be amended as proposed.
 - (xii) Recommended that the seven letter grade as recommended by U.G.C. be accepted in principle and existing O. H.S. 10 and O. H.S. 20 be amended as proposed.
 - (xiii) Recommended that one credit of Practical be defined as three periods each of 50 minutes and existing O. H.S. 19 be amended as proposed.
- (9) *Faculty of Law :*
- (i) Recommended that the exemption from appearing in the portion on "The Transfer of Property Act" prescribed for the third semester of LL.B. examination be not granted to the students concerned in view of the fact that the said subject was grouped together with other topics at the First LL.B. course.
 - (ii) Recommended that students who have passed B.B.A. (Bachelor of Business Administration) examination conducted by the Sardar Patel University, Vallabh Vidya Nagar be considered eligible for seeking admission to the Ist LL.B. degree course in this University, provided such candidates have obtained at least 40% in the aggregate as per existing O. L.S. 1(i). The provision contained in O. L.S. 1(i) has been amended suitably.
 - (iii) Recommended that no course work is necessary for the Ph.D. degree in Law in this University.
 - (iv) Recommended that the subject of "English" be not deleted and "English" and "Administrative Law" be taught during the LL.B. course. In view of the said recommendation, the existing Paper No. 2 and Paper No. 3 of the sixth semester of the LL.B. (Special) be regrouped as detailed in the Faculty minutes and the same be approved.

3. Boards of Studies

There are 56 Boards of Studies in different subjects. The following 55 Boards met during the year as shown below :

Sr.No.	Name of the Board	Date of the meeting
1	2	3
1.	Sanskrit, Pali and Prakrit Language and Literature	19- 9-1977
2.	Persian, Urdu and other Asian Language and Literature	28- 9-1977
3.	Hindi Language and Literature	28- 9-1977
4.	Gujarati Language and Literature	21- 9-1977
5.	Marathi Language and Literature	19- 9-1977
6.	English Language and Literature	22- 9-1977
7.	Sociology	23- 9-1977
8.	History, Archaeology and Ancient Indian Culture	7-11-1977
9.	Philosophy	26- 9-1977
10.	Linguistics	24- 9-1977
11.	Library Science	24- 9-1977
12.	Political Science	27- 9-1977
13.	Economics	26- 9-1977
14.	Physics and Meteorology	29- 9-1977
15.	Chemistry	29- 9-1977
16.	Botany	30- 9-1977
17.	Zoology	1-10-1977
18.	Bio-Chemistry	1-10-1977
19.	Microbiology	3-10-1977
20.	Geology	27-10-1977
21.	Mathematics	3-10-1977
22.	Statistics and Acturial Science	4-10-1977
23.	Geography	5-10-1977
24.	Education and Educational Administration	6-10-1977
25.	Psychology	6-10-1977
26.	Banking and Business Finance	7-11-1977
27.	Accounts	7-10-1977
28.	Commerce including Business Administration	5-10-1977
29.	Co-operation	8-10-1977
30.	Business Economics	5- 9-1977
31.	Anatomy and Physiology	10-10-1977
32.	Pathological Science, Pharmacology and Forensic Medicine	10-10-1977
33.	Medicine, Surgery, Mid-wifery etc.	11-10-1977

Sr.No.	Name of the Board	Date of the meeting
1	2	3
34.	Physiotherapy	31-10-1977
35.	Technology (Textile)	18-10-1977
36.	Civil Engineering and Applied Mechanics	12-10-1977
37.	Mechanical Engineering	13-10-1977
38.	Metallurgical Engineering	13-10-1977
39.	Electrical Engineering and Electronics	14-10-1977
40.	Chemical Engineering	14-10-1977
41.	Architecture	17-10-1977
42.	Applied Chemistry	17-10-1977
43.	Applied Physics	12-10-1977
44.	Applied Mathematics	18-10-1977
45.	Law	15-10-1977
46.	Painting, Sculpture, Applied Arts, Art History and Graphic Arts	26-10-1977
47.	Music, Dance and Drama ics	20-10-1977
48.	Museology	19-10-1977
49.	Child Development	20-10-1977
50.	Foods and Nutrition	24-10-1977
51.	Home Science Education and Extension	24-10-1977
52.	Clothing and Textiles	25-10-1977
53.	Home Management	25-10-1977
54.	Social Work	22-10-1977
55.	Pharmacy	(i) 26- 5-1977 (ii) 7- 1-1978

Important recommendations made by the Boards have been included in the recommendations of the Faculties mentioned in the preceding paragraphs.

CHAPTER V—BOARDS AND COMMITTEES

1. University Board of Sports

Three meetings of the Board of Sports were held during the year. The Board recommended that (i) the University Teams should participate in various Inter-University Tournaments after selection of the teams by the Selection Committee, (ii) the charges for the use of Boating Club by students and members of the teaching and non-teaching staff be approved, and (iii) the students admitted on sports qualifications be not allowed to take their examination if they had remained absent at sports activities.

2. Publication Board

Two meetings of the Board were held during the year. It recommended and/or sanctioned grants for publication of the works viz. (i) two Journals of the Department of Zoology—Animal Morphology and Physiology and “PAVO” (Ornithology) for the year 1977-78, (ii) the books entitled “Gnanamargi Kavyadhara” and “Prof. Balvantrai Thakore—Vyaktiparichaya”, (iii) the book entitled “Chandra Maulishawar Kuravanji”. It also recommended the publication of the following works in the Gaekwad Oriental Series :

- (i) Trca-bhaskara of Bhaskararaya: Edited by Pt. Raghunathrao Gopalrao Sathe,
- (ii) Reprint of Tattvasangraha, Vols. I and II.

3. Library Committee

The Committee met on 26th April, 1977 and recommended allocation of funds to various departments, appointment of vendors, etc.

4. Standing Committee on Equivalence of Examinations

The Committee met on 19th December, 1977. It considered a number of items regarding equivalence of various examinations.

In view of the introduction of 10 + 2 new pattern of Education in the Gujarat State, the following important decisions are taken :

- (i) The old provision of O.167 (A) III which was decided to be deleted as per S.R. No. 19 (15) dated 20-3-1976 be revalidated in the manner and to the extent stated below :

O.167 (A) III :

Students passing the Matriculation/High School/S.S.L.C./S.S.C. Secondary School Final/Second School Examination conducted by

the Statutory Boards/Examining Bodies in India after under going ten-years of schooling or similar recognised examinations conducted by the foreign examining bodies after under going ten-years of schooling be not considered eligible for admission to the Preparatory Courses in Arts, Science and Commerce leading to B.A./B.Sc./B.Com. degree studies and other available higher courses for degree studies in other Faculties/Institutions of this University except for available undergraduate Diploma courses for which admission requirement is passing of S.S.C. (Old—11 years' pattern) New S.S.C. Std. X examination of the Gujarat State or an examination recognised as equivalent thereto with the required subjects as laid down and this provision will be effective from the academic year 1977-78 and onwards in view of the introduction of the 10 + 2 + 3 pattern in the Gujarat State.

- (ii) The Higher Secondary examination (Std. XII) of the Statutory Boards/examining bodies in India after undergoing 12 years of schooling be deemed equivalent to the Higher Secondary examination (Std. XII) of the Gujarat State for purposes of admission to available higher courses of studies in this University, provided the said examination/s is/are passed with at least five subjects including “English” and from amongst the remaining subjects at least 3 Arts/Science/Commerce stream subjects as the case may be as laid down in the relevant Ordinances of this University and provided it is passed as a regular candidate after under-going study in recognised schools having 12 years study scheme. However, actual admission of such students shall be decided by the Dean/Head concerned.

- (iii) The Higher School Certificate examination/General Certificate of Education (Advanced level) examination of Cambridge/Oxford/London University or of the different examining bodies in United Kingdom as mentioned in our O.175 after passing the School/General Certificate of Education (Ordinary level) of Cambridge or of other recognised examining bodies in U.K. or similar recognised examinations conducted by the foreign examining bodies be generally recognised as equivalent to the Higher Secondary Examination (Std. XII) of the Gujarat State for purposes of admission to available higher courses of studies in this University and eligibility for seeking admission to available higher courses be decided on individual merits in each case in consultation with the Head of the Department and the Dean/Head of the Faculty/Institution concerned of this University keeping in view the new pattern of education.

In view of the above provision students who have passed the Higher School Certificate/General Certificate of Education (Advanced level) from the above mentioned examining bodies be held eligible for seeking admission to the F.Y.B.A., F.Y.B.Sc., F.Y.B.Com. courses as the case may be and the present benefit of considering them eligible for admission to the S.Y.B.A., S.Y.B.Sc., S.Y.B.Com. courses be discontinued from the academic year 1978-79 in view of the introduction of 10 + 2 + 3 new pattern of education.

- (iv) The recognition granted to the High School Certificate / Higher Secondary Examination in Arts, Science and Commerce conducted by the Statutory Boards in India *after undergoing study in recognised School having at least 11 years study scheme*, as equivalent to the corresponding Preparatory Examinations in Arts, Science and Commerce of this University for purposes of admission to available higher courses of studies in this University has been discontinued *with effect from the academi year 1978-79 commencing from June, 1978.*
- (v) The recognition granted to the examinations viz. the Indian School Certificate examination, School Certificate examination or General Certificate of Education (Ordinary level) of the Cambridge University or of other recognised examining bodies in U.K. and other countries or East African Certificate of Education Examination conducted by the East African Examination Council and the Cambridge Syndicate, West African G.C.E., National form four examination of Government of Tanzania or similar reconised examinations conducted by the Foreign Examining bodies passed after undergoing 11 years of schooling, as equivalent to the corresponding preparatory examinations in Arts, Science and Commerce of this University for purposes of admission to available higher courses of studies in this University *has been discontinued with effect from the academic year 1978-79 commencing from June, 1978.*

5. Preparatory Courses in Arts, Science and Commerce

Under S.R. No. 23 dated 27th January, 1977, it was resolved that the Preparatory Courses in Arts, Science and Commerce at Baroda as well as at Padra be discontinued for the fresh entrants with effect from the academic year 1978-1979 and onwards.

6. Committee of Deans and Heads of Institutions

The Committee met on 11th October, 1977 and considered the following:

(i) In-service Training Course in the Methodology of Teaching for fresh and newly recruited Lecturers.

- (ii) Issue of expense certificate to foreign students.

7. Finance and Establishment Standing Committee

Twelve meetings of the Committee were held during the year. The Committee considered several items concerning requests for additional grants, purchase of equipment, approval of Plans, Estimates and Tenders for construction work, contracts for various items and requests from the staff members regarding study leave, etc. The recommendations of the Committee were placed before the Syndicate.

The Committee met as the Budget Committee on 2nd February, 1978. After scrutinizing various proposals received from Faculties, Institutions and Offices of the University, it submitted to the Syndicate the revised estimates for the year 1977-78 and the estimates for the year 1978-79.

8. Investment Committee

The Committee held eleven meetings during the year. The recommendations of the Committee in respect of investment of the University funds were approved by the Syndicate.

9. Press Supervisory Committee

Ten meetings of the Committee were held during the year. They considered monthly reports of the Press Manager regarding the working of the Press, Stationery Unit, Publications and Sales Unit and also Printing Programme and made recommendati ns regarding purchase of paper, stationery, equipment, etc.

10. Sir Sayajirao III Memorial Research Prize Fund Committee

The Committee met on 23rd November, 1977 for scrutinizing the Essays on “ગુજરાતનો ઔદ્યોગિક વિકાસ: તેની સમસ્યાઓ અને ક્ષિતિને” for the year 1976-77. The prize was awarded to Shri Bipin K. Patel for writing the best essay for 1976-77. The Committee also recommended to invite essays on the subject “લોકશાહીમાં ન્યાયતંત્ર અને શાસનતંત્રનાં સંબંધો” for the year 1977-78.

11. Wardens' Committee

Three meetings of the Committee were held during the year and recommended facultywise and hallwise allocation of seats for students in the first and second term of the academic year.

12. National Service Scheme

One meeting of the Advisory Committee for National Service Scheme was held during the year. It approved the reports of (i) National Service Scheme activities and (ii) Special Camping Programme. The Committee recommended

that (i) only 2,000 students for regular activity and 1,000 students for special Camping Programme be enrolled for 1978-79 on account of the introduction of 10 + 2 + 3 pattern of education, (ii) benefits of camp projects be given to economically weaker sections, (iii) the issue of reduction of 120 hours of work in NSS be taken up with the Government of India through the State Advisory Committee and (iv) the attendance certificate issued by Programme Officer duly counter-signed by the Programme Co-ordinator, N.S.S. be accepted as satisfactory and final.

13. Selection Committees

During the period from 1-4-1977 to 31-3-1978, there were 22 meetings of the Selection Committee appointed under Section 48 (2) of the Act and they recommended candidates for appointment to the posts of Professors and Readers in various Faculties and Institutions in the University. There were 14 meetings of the Standing Selection Committee for Junior posts and 18 meetings of the Standing Selection Committee for Class III posts and recommended candidates for appointment to different posts in the University.

14. M. S. University Students' Aid Fund Committee

The Committee met on 2nd November, 1977 and 10th February, 1978. The total amount of help given to students by way of tuition fees, examination fees, educational materials, loan etc. during the year 1977-78 was Rs. 55,587/-.

15. Board of Extra Mural Studies

The Board met on 8th September, 1977 and recommended a programme of extension lectures by the University teachers and outside experts. An amount of Rs. 9,400/- was sanctioned for the purpose.

16. Advisory Committee for the University Health Centre

The Committee met on 14th September, 1977 and recommended purchase of drugs and other related matters.

17. Sheth U.P. Ayurvedic Research Unit Committee

The Committee met on 7th February, 1978 and considered the research activity and other matters of the Unit.

CHAPTER VI—RESEARCH WORK IN THE UNIVERSITY

During the year under report 156 new students (35 in Faculty of Arts, 35 in Faculty of Science, 2 in Faculty of Commerce, 40 in Faculty of Education and Psychology, 6 in Faculty of Home Science, 5 in Faculty of Medicine, 13 in Faculty of Technology and Engineering, 7 in Faculty of Law, 10 in Faculty of Fine Arts (including Music College) and 3 in Faculty of Social Work) were registered for the Ph.D. Degree.

During the year 1977-78 the number of old students actively pursuing the Ph.D. research work in various Faculties was as under :

<i>Sr. No.</i>	<i>Faculty</i>	<i>Number</i>
(1)	Faculty of Arts	97
(2)	Faculty of Science	78
(3)	Faculty of Commerce	8
(4)	Faculty of Education & Psychology	120
(5)	Faculty of Home Science	11
(6)	Faculty of Medicine	20
(7)	Faculty of Technology & Engineering	29
(8)	Faculty of Law	7
(9)	Faculty of Fine Arts (including Music College)	13
(10)	Faculty of Social Work	5
Total :		388

2. Research Schemes Financed by the University

<i>Sr No.</i>	<i>Names of the Teacher/s</i>	<i>Research Scheme</i>
Faculty of Arts		
(1)	Dr. S. H. Joshi	A critical edition of Vasto Vishvambhar's Padas and a study of the same
(2)	Dr. H. M. Trivedi	A critical edition and study of Gnanamala by Jagjivan
(3)	Dr. S. M. Dave	A critical edition and study of lyrical and miscellaneous Poems of Dhanaraja
(4)	Dr. K. N. Reddy	Industrial Finance and Corporate Taxation

Sr. No.	Name/s of the Teacher/s	Research Scheme
Faculty of Science		
(5)	Shri S. D. Desai	Field and laboratory investigations of Bauxite, Bentonite and Fireclay Deposits of Gujarat
(6)	Dr. S. D. Sabnis	Chemotaxonomic studies on some important Angiosperm Taxa
(7)	Dr. A. G. Phatak	Simulation models for different methods of Estimation
(8)	Prof. S. S. Merh	Structural Studies in Kathmandu Nappe
(9)	Dr. Amrishi Shah	Transformations of Xanthates and related compounds
(10)	Dr. A. V. Ramachandran	Certain Physiological and Endocrine Aspects of Tail Regeneration in Lizards
(11)	Dr. R. P. Bhatt	Structure and Behaviour of the Chromosomes as an aid to the study of Phylogeny and Affinities of selected Angiospermic Taxa
(12)	Dr. A. K. Mattoo	Changes in Nucleotide Degrading Enzymes under Nutrient over Producing conditions in Neurospora Crassa
Faculty of Medicine		
(13)	Dr. D. S. Shah	Studies of the mechanism of Anti-inflammatory activity of Tinospora Cordifolia
(14)	Dr. O. D. Gulati Dr. B. S. Verma and Dr. P. T. Acharya	Relationship of Iron to Pruritus
(15)	Dr. H. C. Shrivastava	Mechanism of Palate Closure in Rat
(16)	Dr. V. P. Vaishnav and Dr. R. M. Oza	Screening of Blood Donors for Hepatitis Associated Antigen HBS Ag.
(17)	Dr. Rohit V. Bhatt	Study of Prenatal Sex Determination and Foetal Growth
Faculty of Technology and Engineering		
(18)	Dr. K. K. Rao	Regulatory Mechanisms involved in the Ergot Alkaloid Synthesis by <i>Aspergillus Funigatus</i>
(19)	Dr. J. M. Lohar	Study of Mesomorphism with respect to certain Physico Chemical Properties
(20)	Dr. N. H. Shah	Study of Reactive Dyes
(21)	Prof. S. K. Banerjee	Phytochemical and Pharmacological Investigations on <i>Tecomella Undulata</i> (Bignoniaceae)

Sr. No.	Name/s of the Teacher/s	Research Scheme	
(22)	Shri S. N. Sundermurti	Preferential reduction of Iron in Chromite by Solid 'C' subsequent leaching and improve Cr/Fe Ratio	
(23)	Shri P. J. Roychowdhary	Dissolution Studies in Liquid Metals	
(24)	Dr. Y. K. Agarwal	Analysis of some medical plants	
Faculty of Home Science			
(25)	Dr. (Miss) Nalini Ogale	Organisation of financial resources by families for College Education of Children	
(26)	Dr. (Mrs.) Veena Mistry	Assessment and development of tests and scales for primary schools	
(27)	Dr. (Mrs.) Prerana D. Mohite	A survey of Learning Disabilities of Primary School Children	
M. K. Amin Arts and Science College and College of Commerce, Padra			
(28)	Dr. R. D. Pathak	Gujarati Hindi Bhakti Kavya	
(29)	Dr. Ramnath G. Sharma	Nirgun Evam Sagun Bhaktika Srot Swarup Aur Siddhantaunka Tulnatmak Adhyayaan	
College of Indian Music, Dance and Dramatics			
(30)	Prof. C. C. Mehta	Bibliography of Drama	
(31)	Shri Markand Bhatt	A study of costumes and ornaments of Saurashtra related to the tribes and community alongwith their origin and history	
(32)	Smt. Anjali S. Merh	A study of the Adivasi Dances of Baroda and Panchmahal Districts of Gujarat.	
3. Research Schemes Sponsored by outside Agencies :			
The following schemes in progress have been sponsored by the University Grants Commission, Ministries of Central Government, Departments of the Government of Gujarat and other Agencies.			
Sr. No.	Name/s of the Teacher/s	Title	Name of the Financing agencies
Faculty of Arts			
(1)	Dr. M. M. Dadi and Dr. S. R. Hashim	Economic Co-operation Among Developing Countries	Sponsored by the United Nations collaborating with Prof. P. N. Mathur of the University of Wales

Sr. No.	Name/s of the Teacher/s	Title	Name of the Financing agencies
(2)	Prof. M. B. Desai and Shri S. K. Verma	Bonded Labour in Gujarat	Department of Labour Social Welfare and Tribal Development, Government of Gujarat

Faculty of Science

(3)	Prof C. V. Ramakrishnan	(i) Research Project No. UR-A7-(210)-248, Grant No. FG-In-491 "Study of Indian fermented foods from legumes and the production of similar fermented foods from U.S. Soybeans"	Am PL 480 USDA
		(ii) Research Project No. UR-A7-(24)-261, Grant No. FG-In-519 "Nutritional and Physiological studies on hemagglutinins, to provide information basic to increasing the utilization of soybeans in food and feed products"	Am PL 480 USDA
		(iii) Studies on kwashiorkor and marasmus children in Madurai and Trivandrum	University Grants Commission
(4)	Dr. S. K. Srivastava	(i) Regulatory relationship between arginine and nucleic acid metabolism in plant tumour tissues	University Grants Commission
		(ii) Studies on polyamine metabolism during development, maturation and germination of seeds	University Grants Commission

Sr. No.	Name/s of the Teacher/s	Title	Name of the Financing agencies
(5)	Prof. C. H. Palkar	Correlation between the Photosynthetic efficiency of C ₃ and C ₄ -plants under adverse conditions	University Grants Commission
(6)	Dr. (Miss) M. K. Kshirsagar	Survey of Ferns and their tissue cultures for the presence of antibacterial principles	University Grants Commission
(7)	Dr. J. S. Dave	(i) Studies in the liquid crystalline state (ii) Synthesis of low melting liquid crystals and their potential applications	Council of Scientific and Industrial Research, New Delhi University Grants Commission
(8)	Dr. H. S. Rama	Studies in the Ion-exchange Resins	University Grants Commission
(9)	Y. G. Gaekwad	Studies in the synthesis of Xanthenes	University Grants Commission
(10)	Prof. V. V. Modi	(i) Genetic aspects of Rhizobial Metabolism (ii) Studies on Riboflavin Formation in <i>R. ashbyii</i> (iii) Postharvest physiology of mangoes (iv) Studies on carotene biosynthesis in <i>B. trispora</i>	Indian Council of Agricultural Research, New Delhi CSIR Am PL-480 USDA Am PL-480 USDA
(11)	Dr. H. S. Chhatpar	Biodeterioration of paper bags and paints	University Grants Commission
(12)	Dr. A. B. Darji	A study of the spectra of some diatomic molecule	University Grants Commission
(13)	Dr. G. R. Pandya	Electrical properties of solids	University Grants Commission
(14)	Sarvashri M. M. Gandotra and Narayan Das	Interrelationship of Infant and Child Mortality with Fertility	Ford Foundation and Rockefeller Foundation Project PRL 480

Sr. No.	Name/s of the Teacher/s	Title	Name of the Financing agencies
(15)	Prof. S. S. Merh	(i) Geomorphic study of the coastline between Jamnagar and Okha Madhi in Saurashtra (ii) Quaternary geology and geomorphology of Gujarat with special reference to coastal area	Ministry of Defence, Government of India University Grants Commission
(16)	Dr. Bonny Pilo	Comparative studies on flow coupled Transport of glucose into cells of liver of vertebrates	University Grants Commission
		Faculty of Commerce	
(17)	Dr. K. R. Shah	An Inquiry into equity insures involved in the Government Financing of higher education in India—A study of the M. S. University of Baroda	Indian Council of Social Science Research, New Delhi
		Faculty of Technology & Engineering	
(18)	Prof. R. S. Dighe	(i) Effect of Hull Ash Cement on Strength of Concrete (ii) Polymer Concrete	University Grants Commission
(19)	Prof. P.M. Modi and Prof. O. H. Patel	Analytical and experimental investigation of thermal stratification in lakes and ponds	University Grants Commission
(20)	Prof. G. C. Kothari	Protection using Micro-processing	Hindustan Brown Boveri Ltd.
(21)	Dr. Y. K. Agrawal	Effects of N-aryl hydroxamic acid on Carcinogenicity	University Grants Commission
(22)	Dr. K. K. Rao	Regulatory mechanisms involved in the formation of Ergot alkaloids by <i>A. fumigatus</i>	University Grants Commission

Sr. No.	Name/s of the Teachers	Title	Name of the Financing agencies
(23)	Mrs. Ranjit Kaur	Enzymes as an index of healing of Inflammation	University Grants Commission
(24)	Prof. A. M. Talati	Pyrolysed Polychelates	Council of Scientific and Industrial Research, New Delhi
(25)	Dr. K. B. Shah	Polydentate N-ligands and their co-ordination polymers	University Grants Commission
(26)	Dr. R. A. Vora	Synthesis of potential mesomorphic compounds (Liquid crystals)	University Grants Commission
		Faculty of Home Science	
(27)	Dr. (Miss) T. S. Saraswathi	Maternal disciplinary practices and the development of moral judgement	Indian Council of Social Sciences Research, New Delhi

4. The University Grants Commission has sanctioned a grant of Rs. 1,00,000/- for support of research in various fields. The University allocated Rs. 30,000/- for Humanities and Social Sciences, Rs. 50,000/- for Science and Home Science and Rs. 20,000/- for Technology and Engineering. Three Committees were appointed to scrutinize applications of University teachers and research scholars and recommend grants for their research topics. On the recommendations of these Committees, grants were sanctioned to the following teachers for the research schemes shown against them :

Sr. No.	Name of the Teacher	Scheme
Humanities and Social Sciences		
1	Kum. M. S. Padma	Effect of feedback on pupil's achievement
2	Smt. P. M. Buch	Perception of High Schools' students and their attitudes towards vocational courses
3	Shri S. D. Joshi	Graduates, Social expectation and University Education
4	Dr. (Kum.) M. M. Shah	A comparative study in scholastic achievement of the students who have taken their primary education in Corporation Schools or in privately managed primary schools
5	Dr. D. C. Joshi	A survey of University Teaching Method

Sr.No.	Name of the Teacher	Scheme
6	Shri P. K. Desai	Hindi novels written after 1960—plot and formation
7	Dr. K. M. Shah	Premchand's influence on Hindi novels—writing and criticism
8	Shri I. P. Vyas	An analytical study of Executive Organisation relationship in some Industrial Units in Baroda District
9	Shri N. K. Sant	Survey of 20th Century graphic design trends, their success of influence and comprehensive study of the outstanding contributors' works.
10	Shri Gulam Mohamad Shaikh	Analytical and stylistic study of cave paintings of Ajanta from Aesthetic and Social points of view
12	Dr. Ratan Parimoo	Comprehensive study of Shiva Sculpture in Western Indian Caves
13	Dr. Anil Bhatt	An administrative study of Baroda's Experiment in Urban Decentralisation
14	Dr. Thomas Pantham	The Vocation of the Political Theorist
15	Shri O. P. Joneja	Colonial Consciouness in recent Black American, African and Indian Fiction

Sciences and Home Science

1	Dr. (Miss) M. K. Kshirsagar	Trees ferns in test tubes
2	Dr. Kamleshjee Lulla	Salt Tolerance of some Crop Plants in natural habitat (habital ecology)
3	Dr. R. H. Mehta	Mannich reaction on some hydroxycoumarins.
4	Dr. N. V. Mani	Chemical studies on medicinal plants of Gujarat
5	Dr. R. N. Kapadia	Pyrolysis of Co-ordination Polymers
6	Shri S. G. Patel	Geochronological studies of the Granite rocks Central South Gujarat
7	Dr. N. M. Vashi and Dr. A. N. Shah	Geological studies in the Crvstalline rocks of Western Kumaon with special reference to their structure, metamorphism & granitisation
8	Dr. S S. Sail	Studies on Kwashiokar and Marasmus children
9	Dr. (Kum.) S. D. Telang	Effects of nutritional deficiencies on glutamate metabolism in rat brain

Sr.No.	Name if the Teacher	Scheme
10	Dr. S. R. Agrawal	Conversions of fourier Bessel series
11	Shri V. R. Fadnis	Study of electrical conductivity of pure and doped alkali halide cr stals
12	Dr. N. L. Khan	Luminescent properties of pure and doped materials
13	Dr. (Miss) R. V. Nene	Histochemical studies on certain vertebrate and invertebrate muscles
14	Dr. A. K. Desai	Studies on the generation insects
15	Dr. G. K. Menon	Histoenzymological studies on Endocrine Control of Avian Integumentary Derivatives
16	Dr. A. V. Ramchandran	Certain experimental aspect of regeneration
17	Dr. P. K. Hiradhar	Indocrine involvement in the regeneration of vertebrate appendages
18	Smt. Mrunalini A. Paur and Dr. Sundar Gujaral	The effect of liver amoebiosis on the nutritional status of hamsters
19	Smt. Ninaz T. Ankleshvaria	Quantitative & Qualitative estimation of essential amino acids from the raw and processed foods by paper chromatography method
20	Mrs. Subhthra Seshadri	Role of iron in brain metabolism
21	Dr. Veena Mistry and Smt. P. Mohite	Development of diagnostic and prescriptive activities for children for specific learning disabilities

Technology and Engineering

1	Dr. A. V. Shroff	Studies on Chemical Grouts
2	Shri G. B. Sompura and Shri R. D. Bhatt	Study on behaviour of various base materials under Fatigue loadings
3	Shri M. T. Chhangawala	Study of mix mesomorphic melts
4	Dr. Y. K. Joshi	Transition metal chelates
5	Prof. C. C. Shah	Study and comparison on modern methods in numerical Analysis
6	Shri V. H. Shah	Fumigation in the diesel engine by exhaust hesting
7	Shri A. A. Patel	Effects of vibrations on convective heat transfer.
8	Shri Satish Misra	Resistometric Studies of Solute vacancy interactions and clustering Kinetics in Aluminium, Magnasiam, Cromium, Alloys.

Sr.No.	Name of the Teacher	Scheme
9	Prof. S. K. Banerjee	Phytochemical investigations of medicinal plants having anticancer activity. <i>Amberboe ramosa</i> knntze.
10	Dr. J. R. Pandya and Shri K. P. Dhake	Fabrication of crystal growing Units for growing different types of crystals by different techniques and study of micro structure on the grown crystal surfaces
11	Shri A. J. and Dr. P. Bhagat	Electrical Conductivity of mineral crystals and Synthetic Ionic Crystals
12	Shri V. S. Pramar	System of Proportion used in Ancient Architecture

CHAPTER VII—VISITING LECTURERS

Lecturers

The following lectures were delivered under auspices of the University Grants Commission Scheme of Exchange of Teachers and Extra Mural Grant and other Scheme of the University.

(A) Lecturers under University Grants Commission Scheme of Exchange of Teachers or National Lecturerships :

Sr. No.	Name of Lecturer	Date	Subject
Faculty of Arts			
(1)	Professor T. C. Bose	7-1-1978	International Political Order : The Compulsions of Change
(2)	Dr. T. K. Jayaraman	10-2-1978	An Economic Analysis of Urban Services
(3)	Professor R. Radhakrishnan	10-3-1978	Demand System.
Faculty of Science			
(1)	Dr. Sheela Talwalkar	3-3-1978	(i) Characterizations of Exponential Distribution with Application (ii) Models in Medicine and Toxicology
(2)	Dr. S. M. Shah	8-3-1978	PBIB Designs Constructions
Faculty of Medicine			
(1)	Dr. S. G. Deodhare	4-2-1978	Necrotising Enteritis
(2)	Dr. V. Benjamin	15-3-1978	Community Orientation Programme for Medical Students
Faculty of Home Science			
(1)	Dr. (Mrs.) Tara Gopaldas	4-1-1978	National Nutrition Programme Strategies and Impact

(B) Shri Aurbindo Memorial Lectures (U.G.C)

Sr. No.	Name of Lecturer	Date	Subject
(1)	Dr. V. K. Gokak	9-3-1978	Shri Aurbindo as an Integral Materialist
		10-3-1978	Shri Aurbindo as a Gnostic Humanist
		11-3-1978	Shri Aurbindo as a Transcendental Socialist

(C) Lectures under Extra Mural Grant or other Schemes :

Sr. No.	Name of Lecturer	Date	Subject
Faculty of A. ts			
(1)	Dr. V. S. Wakanker	12-8 1977	Excavation at Bhimbhetka
(2)	Dr. A. Goudie	19-8-1977	Climatic condition during the last twenty thousand years in low latitude
(3)	Professor A. Buhler	1-3-1978	Cultural Anthropology approaches to Foreign Cultures
(4)	Prof. C. Rangarajan	18-2-1978	Recent Development in Monetary Theory
(5)	Prof. M. N. Zaveri		१. कवि न्दानाक्षर २. काकासाहेबजी कलाभाषना
(6)	Prof. S. K. Mishra	14-2-1978	१. नदी के द्विप : वस्तु और शिल्प
(7)	Shri Baburao Kumthekar	18-3-1978	२. प्रेमचन्दोत्तर हिन्दी उपन्यास की विकास रेखाएँ
(8)	Prof. Iqbal Narain	11-3 1978	Jnanesvara and Jnanesvari Assumptions and they say this concerning the Democratic Policy in India
(9)	Prof. Oliver Stallybrass	November 1977	Problem of Research in E. M. Forster
Faculty of Science			
(1)	Dr. Srikantia	22-2-1978	Pellagra
(2)	Professor D. V. Rege	22-2-1978	Food Technology—New challenges
(3)	Professor B. C. Haldar	31-12-1977	Analysis of trace and ultra trace metals in Biological Systems
(4)	Professor A. K. Shah	29-12-1977	Geomathematics and Mineral Exploration
(5)	Professor I. K. Kaul	30-12-1977	New Trends in Geochronology
(6)	Dr. D. R. Kulkarni	12-1-1978	Soft-ware concepts in Digital Computers
(7)	Dr. S. S. Sharma	13-2-1978	On the Nature of Statistical support
(8)	Professor K. M. Alexzander	24 1-1978	The role of scent glands in behaviour of mammals
(9)	Professor V. P. Vaishnav	11-2-1978	Pathological Sciences and Human Welfare
Faculty of Commerce			
(1)	Dr. S. M. Shah	5-9-1977	Some issues in rural development
(2)	Shri Indrapal Singh	28-9-1977	Functions of a Product Manager in an Engineering Concern

No. Sr.	Name of Lecturer	Date	Subject
(3)	Shri M. A. Pai	16-3-1978	Young Lady on Mint Road
(4)	Shri S. G. Shah	17-3-1978	Words and Images in Banking and Insurance
Faculty of Medicine			
(1)	Dr. D. R. Bhatt	4-1-1978	Heart Catheterisation in Children
(2)	Dr. Tolia	5-1-1978	Tumours of the Kidney
Faculty of Fine Arts			
(1)	Shri Narendra Patel	26-7-1977	A talk on his own work as well as on contemporary American Art
(2)	Shri Narotam Barot	12-1-1978	Demonstration of Japanese paper decoration
(3)	Shri D. V. Gajjar	27-1-1978	Lecture/Demonstration on Textile and Block-making and Printing
(4)	Shri Mahipatrai Kavi	28-1-1978	Demonstration on Communication through Puppetry and Animation (2 Sessions)
Faculty of Home Science			
(1)	Smt. Ela R. Bhatt and Other 5 Participants	12-1-1978	Role of educated women in raising status of women in India
(2)	Shri A. D. Surti	10-3-1978 11-3-1978 13-3-1978 15-3-1978	Demonstration-cum-Lectures on Men's Tailoring-Pants
Sanskrit Mahavidyalaya			
(1)	Pandit Shri S. Y. Mishra	25-10-1977	स्फोट विचारः
(2)	Panditshri L. G. Shukla	17-12-1977	ध्वनि विमर्शः
(3)	Pandit Shri Narayan-prasad Oza	22-12-1977	संस्काराणां महत्त्वम्
(4)	Pandit Shri Kasturi Rangacharya	19-1-1978	आत्मविचारः
(5)	Pandit Shri Shukdev-prasad Gaurishankar Vyas	28-1-1978	वेधशालायाः प्राचिनत्वम्
Polytechnic			
(1)	Shri Jayant B. Jani	28-9-1978	Processing and Application of Thermo-Plastics

CHAPTER VIII—FACULTY OF ARTS

1. Courses of Studies

The courses of studies remained the same as in the previous year.

(i) A Seminar on research methods in Humanities, Social Sciences and Sciences was held for a period of 12 days for the Post-graduate students in the Department of Archaeology and Ancient History.

(ii) The Department of Linguistics organised an informant session on Pashto and also a course on Spoken Pashto with the help of students from Afghanistan in the University.

2. Number of Students

The following number of students enrolled in various classes during the year 1977-78 was as under :

Class	Men	Women	Total
(1) Certificate Course in German	230	47	277
(2) Certificate Course in Russian	10	—	10
(3) Certificate Course in French	82	25	107
Total :	322	72	394
(4) Diploma in Russian	2	—	2
(5) Advance Course in Russian	—	—	—
(6) Diploma in German	20	4	24
(7) Advance Course in German	3	3	6
Total :	25	7	32
(8) F.Y.B.A.	673	450	1123
(9) S.Y.B.A.	417	230	647
(10) T.Y.B.A.	330	214	544
(11) Library Science	7	22	29
Total :	1427	916	2343
(12) M.A. Part I	141	125	266
(13) M.A. Part II	108	111	219
Total	249	236	485
(14) Ph.D.	23	12	35
Grand Total	2046	1243	3289

3. Staff

(a) During the year, the staff consisted of 11 Professors, 17 Readers, 57 Lecturers, 1 Part-time Teacher, 3 Honorary Lecturers, 20 Class III Staff including Technicians and 25 Class IV employees. The teachers of the Faculty carried out assignments in other Faculties and Institutions where Humanities and Social Sciences are included in their courses.

(b) New Appointments :

The following persons were appointed as Teaching Assistants till the end of the academic year:

Sarvashri A. S. Kadri (Persian), J. A. Jani (Sanskrit), J. S. Mehta (English), Kum. D. C. Dharkar (Linguistics), Shri S. K. Sharma and Kum. M. Pande (Sociology)

(c) Teachers appointed to higher position :

(i) Dr. S. H. Joshi, Dr. M. G. Gupta and Dr. K. T. M. Hegde as Professors of Gujarati, Hindi and Environmental Archaeology respectively.

(ii) Dr. (Smt.) Ranu Vanikar, Dr. (Smt.) M. N. Shah and Dr. S. K. Desai as Readers in English, Economics and History respectively.

(d) Teachers who left the University :

(i) Shri S. W. Ashraf, Lecturer in Persian —Resigned

(ii) Shri G. S. Purohit, Lecturer in Hindi —Retired

(iii) Dr. A. H. Bhatt, Reader in Political Science —Resigned

(iv) Kum. A. S. Contractor, Lecturer in Sociology—Resigned

4 Professional Growth of the Staff

(a) Published articles/papers:

Published articles	Title of the paper	Name of the Journal wherein Published
(1) Prof. R. N. Mehta	(i) Khambhat (Cambay) Topographical, Archaeological and Toponomical perspective	Journal of the M. S. University of Baroda Vol. XXIV, No. 1.
	(ii) A Christian Prayer Hall at Champaner	India, Vol. 1977
	(iii) Champaner	Gujarat Dipotsavi
(2) Prof. K. T. M. Hegde	Late Quaternary Environments in Gujarat and Rajasthan	Ecology and Archaeology of Western India published by the Physical Research Laboratory, Ahmedabad, 1977

Published articles	Title of the paper	Name of the Journal wherein Published
(3) Shri V. S. Parekh	(i) Rodana Ketalank Vadhu Silpo (ii) Some interesting sculptures from Kavi areas (iii) An Image of Double-faced Ganesha from Junagadha	Svadhyaaya (Gujarati), Vol. 14, No. 3 Journal of the Oriental Institute, Baroda Vol. 26, No. 2 Journal of the Oriental Institute, Baroda, Vol. 27, No. 1-2.
(4) Shri V. H. Sonawane	Jain Sculptures from Panchamaharaj	Journal of the M. S. University of Baroda, Vol. 24, No.1.
(5) Shri K. N. Momin and Dr. R. N. Mehte	A Plaque from Vaghatalav	Journal of Indian Society of Oriental Art., 1977
(6) Shri K. N. Momin	Exploration in Kairi District	Journal of the M. S. University of Baroda, 1977
(7) Prof. V. N. Kothari	(i) Economic Aspects of Health Care Delivery Patterns (ii) Growth and Employment in India	Indian Journal of Medical Education, Vol. XV, No. 1. January-February, 1976 <i>Presidential Address</i> 9th Annual Conference of the Gujarat Economic Association 20th October, 1977
(8) Dr. K. N. Reddy	(i) A Note on Indirect Tax (ii) University Finances—A Case Study of the M. S. University Finances	<i>Vishleshan</i> , September, 1977 <i>Vishleshan</i> , March, 1978
(9) Dr. S. R. Hashim	Theories of Development	Gujarat Economic Association Conference Papers, Dohad, 1977.
(10) Sarvashri N. M. Pandya and D. K. Oza	Evolving International Monetary System	Indian Economic Association Conference Papers, December, 1977
(11) Prof. M. B. Desai and Shri S. K. Varma	An evaluation of Dairying Assistance Programme	M. S. University of Baroda, Baroda

Published articles	Title of the paper	Name of the Journal wherein Published
(12) Prof. J. D. Birje Patil	(i) Resonant Bones Poetry of Shiv Kumar (ii) Theatre in Search of a Fix	World Literature Today, U.S.A. Indian Journal of American Studies, Hyderabad
(13) Shri B. N. Shah	Baal—Its Theme and Structure of Images	Journal of the M. S. University, Baroda
(14) Dr. C. K. Seshadri	(i) The grammatical difficulties of Franco-Ontarian children with respect to certain English prepositions of Place (ii) Verb errors of past tense (Part 1: Past) (iii) Verb error of past tense (Part II: Perfect	University of Toronto do do Toronto: Franco-Ontarian Section, OISE)
(15) Prof. R. N. Mehta	Compiling text-book for English, Higher Secondary (XII)	Government of Gujarat, Ahmedabad
(16) Shri R. M. Pancholi	(i) Compiling of text-book in English (ii) Translation of "Social Reconstruction" Std. X	Government of Gujarat, Ahmedabad do
(17) Dr. V. K. Chavda	(i) Part-time activity of Gujarati—A historical perspective (ii) Baroda Record Office	Homage to a Historian—A Festschrift, May, 1977 Indian Archives, Vol. XXII Nos. 1-2. July, 1977
(18) Prof. S. H. Joshi	(i) Kasmal Devay Havishha Vidhema (ii) અર્વાચીન કાવ્યમાં ભાષા (iii) Object of Arts: A Phenomenological View	(i) કાવ્યનાં ત્રૈમાસિક, ઓગસ્ટ ૧૯૭૭ (ii) "કંકાવટી" માર્ચ ૧૯૭૮ (iii) પરબ—ઓક્ટોબર, ૧૯૭૭

Published articles	Title of the paper	Name of the Journal wherein Published
(19) Prof. A. P. Rana	Regionalism as an Approach to International Orders: A Conceptual Overview	Indian Journal of Asian Studies, July-December, 1977 (ICSSR)
(20) Dr. Thomas Pantham	The Politics of Economic Change	Political Science Lesson Script No. III : 12/MA II (Directorate of Correspondence Courses, Punjab University, Chandigarh, 1977-78)
(21) Prof. A. N. Jani	(i) Mahamahopadhyaya Gopinatha Kaviraj (in Gujarati) (ii) Suryodaya (A drama in Sanskrit)	Akhanda Ananda, April, 1977 Samvid Vol. 14, No. 2, November, 1977
(22) Dr. S. G. Kantawala	(i) Some aspects of Puranic Religion (i) Some Remarks on the Teaching of Sanskrit Grammar (iii) Some Remarks of the Bhagavata-Purana : A Study in Vedico-Puranic Correlates (iv) Rgvedakatha Dharma (in Gujarati) (v) Matsyapuranesaddarsanam (in Sanskrit)	G. D. Birla 80th Birthday Commemoration Volume. Pillani, Rajasthan Journal of the Oriental Institutes Volume XXVI, No. 2, Baroda Journal of the M. S. University of Baroda, Vol. XXIV, No. 1, Baroda Svadyaya, Volume 15, No. 2, Baroda Surbharati, 1977, Baroda
(23) Dr. (Miss) S. A. Nachane	(i) Interpretation of Katha Upanisad-22 (b) (ii) Some of the Manasa Pujas in Gujarati Language (in Marathi)	Pathway to God, Belgam, October, 1977, Pardi Purusartha, January, 1978
(24) Shri S. M. Dave	Co-editor of the Periodical रतिमें संस्कृतभाषायाम्	Nareshvarnonade
(25) Mrs. S. S. Deshpande		Surbharati, 1977

Published articles	Title of the paper	Name of the Journal wherein Published
(26) Shri J. A. Jani	(i) शिवप्रतिषट्कम् (ii) Aparoksanubhuti man Yoga	Samvid, May, 1977 Navbharati, November, 1977
(27) Dr. K. C. Panchanadikar and Dr. (Mrs) J. Panchanadikar	(i) Social Stratification and Institutional Change in a Gujarat Village (ii) Political Inputs for Development : Elective and Bureaucratic	Sociological Bulletin, Vol. 25, No. 2 (of September, 1976 published in December, 1977) Journal of M. S. University, Social Science Number, Vol. XXV-XXVI, No. 2
(28) Dr. M. G. Gupta	(i) वदने प्रसाद सदन (ii) कवि न्दानालाल की राष्ट्रीय चेतना (iii) भक्तिकाल की युगीन पीठिका का मूल्यांकन (iv) स्वातंत्र्योत्तर हिन्दी उपन्यासों के संदर्भ में तस्वीरें और सायेका आलोचनात्मक अध्ययन (v) युगीन नवोन्मेष के प्रथम कवि विष्णुदास (vi) राष्ट्रीय काव्यधारा की सांस्कृतिक चेतना	डॉ. मुन्शीराम शर्मा अभिनन्दन ग्रन्थ, दिसम्बर, १९७७ राष्ट्रीय विज्ञान, जून, १९७७ वीणा मासिक, मई, १९७७ पं. गंगाप्रसाद मिश्र अभिनन्दन ग्रन्थ परिशोध अंक २७, मार्च, १९७८ आचार्य महेन्द्रप्रताप शास्त्री अभिनन्दन ग्रन्थ
(29) Dr. D. S. Shukla	गुजरात में प्राप्त हस्तलिखित-ग्रन्थ	हिन्दुस्तानी भाग ३७, अंक ३
(30) Shri P. K. Desai	जहर चाद का उपन्यास एवं समीक्षा	गंगाप्रसाद मिश्र अभिनन्दन ग्रन्थ
(b) Publication of Books :		
Published articles	Title of the paper	Name of the Journal wherein Published
(1) Prof. R. N. Mehta	(i) Bhutakala Ni Bhitarman (ii) Pradesh Thai No Ithasa (iii) Prehistoric Champaner	Gujarat University Grantha Nirmana Board, Ahmedabad Gujarat University M. S. University Series No. 13

Published articles	Title of the paper	Name of the Journal wherein Published
(2) Prof. K. T. M. Hegde, A. Goudie and B. Allchin	The Prehistory and Palaeography of Great Indian Desert	Academic Press, London, 1978
(3) Dr. K. N. Reddy	Report of the Octroi Committee	Federation of Gujarat Mills and Industries and Baroda Municipal Corporation, September, 1977
(4) Dr. K. C. Panchanadikar and Dr. (Mrs.) J. Panchanadikar	Rural Modernization in India	Popular Prakashan, Bombay, pp. 400 XXVI
(5) Shri P. J. Patel	Sociology of Robert Merton (in Gujarati)	Gujarat University, Ahmedabad, 1977
(6) Dr. V. K. Chavda	સ્વાતન્ત્ર્યોત્તર ભારતઃ એક ઐતિહાસિક અવલોકન	ગુજરાતી પુસ્તકાલય સહાયક સહકારી મંડળ
(7) Dr. S. H. Joshi	(i) જ્ઞાનમાર્ગી કાવ્યધારાની ભૂમિકા (ii) અનુભવાનંદનાં પદો	(i) ગુજરાતી વિભાગ, મ. સ. વિશ્વવિદ્યાલય, વડોદરા, માર્ચ, ૧૯૭૮ (ii) ક્ષર્ણ સહિત્યસભા, જુલાઈ, ૧૯૭૭
(8) Dr. H. M. Trivedi	પ્રો. બ. ક. કાકોર—વ્યક્તિ પરિચય	ગુજરાતી વિભાગ, મ. સ. વિશ્વવિદ્યાલય, વડોદરા માર્ચ, ૧૯૭૮
(9) Dr. S. M. Dave	ગુજરાતી ભાષા અને વ્યાકરણ, ધોરણ ૧૨મું (અન્ય લેખકો સાથે)	(i) ગુજરાત રાજ્ય પાઠ્ય પુસ્તક મંડળ, અમદાવાદ
(c) Papers presented at All India level Seminars, Conferences etc. :		

Name of the Teacher	Name of Conference/ Place/Date	Title of the Paper presented
(1) Prof. R. N. Mehta	Indian Science Congress, Archaeology and Anthropology Section, Ahmedabad 10th January, 1978	Urban Archaeology
(2) Prof. K. T. M. Hegde	18th International Symposium on Archaeometry and Archaeological Prospection, BONN, West Germany, 14th to 17th March, 1978	Analysis of Ancient Indian Deluxe Wares

Name of the Teacher	Name of Conference/ Place/Date	Title of the Paper Presented
(3) Shri V. S. Parekh	Gujarat Ithasa Parishad, Vadnagar, 15th October, 1977	Gujaratna Ganesha and Kartikeyana Silpo
(4) Prof. V. N. Kothari	Workshop on "Alternative Educational Futures", National Council of Educational Research and Training, New Delhi, 16th to 21st November, 1977	Financing of Higher Education
(5) Dr. S. R. Hashim	(i) 9th Gujarat Economic Conference, Dahod, 29-30 October, 1977 (ii) Seminar on Regional Planning and Development, Jawaharlal Nehru University, New Delhi, 22-23 March, 1978	Theories of Development Regional Variations in Industrial Development since Independence
(6) Dr. (Mrs.) M. N. Shah	9th Gujarat Economic Conference, Dahod, 29-30 October, 1977	Earning Disparity between Educated Males and Educated Females in India
(7) Shri N. M. Pandya	Indian Economic Conference, 28-30 December, 1977	Evolving International Monetary System
(8) Prof. A. G. Javadekar	Delhi University colloquium between Pandits and Professors of Philosophy, 27th March to 8th April, 1978	(i) The Nature of Inference in Nyaya (ii) The Concept of Man in Indian Philosophy
(9) Dr. J. Birje-Patil	Delhi University	Time in Shakespears
(10) Dr. C. K. Seshadri	University of Toronto, November, 1977	Second Language Planning for a multilingual Country
(11) Prof. A. P. Rana	(i) Summer School in International Politics, University of Udaipur 23-25, June, 1977 (ii) 37th All India Political Science Conference, Bangalore, 29-31, December, 1977	A Conceptual Enquiry into the Effectiveness of Contemporary Nondaqument Indian and Regional Co-operation: A Conceptual Prologomenon

Name of the Teacher	Name of Conference/ Date/Place	Title of the Paper Presented
	(iii) International Seminar on Modernization in South Asia, Rajasthan University, Jaipur, 6-8, January, 1978	The International Political System and Modernization
(12) Dr. Thomas Panthom	(i) Seminar on Study of Edites, A.N.S. Institute of Social Studies, Patna, 7-8, October 1977	Political Edites and Socio-Economic Transformation in India
	(ii) 37th All India Political Science Conference, Bangalore 29-31, December, 1977	Sociological Evidence and Value Assumptions in Democratic Theory
(13) Shri H. C. Shukul	Summer School in International Relations, University of Udaipur, 17-30 June, 1977	(i) Functional Approach to Peace (ii) A Review of Literature on World Order Models Project

(d) Talks given at different Institutions :

Name of the Teacher	Institution	Subject
(1) Prof. R. N. Mehta	(i) Schools of Archaeology, Archaeological Survey of India, New Delhi	(i) Mediaeval Archaeology
	(ii) North Circle, Archaeological Survey of India, Agra	(ii) Archaeology of Western India Champaner
	(iii) Gujarat Vidyapith	Itihasa Ni Vibhavana (3 Lectures) Champaner (2 Lectures)
	(iv) H. K. College of Arts, Ahmedabad	Indian Culture
	(v) Mount Abu College, Mount Abu	

Name of the Teacher	Institution	Subject
(2) Prof. K. T. M. Hegde	University of Cambridge 23rd March, 1978	The Technology of Ancient Indian Ceramics
(3) Prof. V. N. Kothari	(i) Indian Institute of Management, Ahmedabad, June, 1977	(i) Cost-Benefit Analysis of Rural Electrification — Measurement Problems in Assessing the Employment Structure
	(ii) Sardar Patal Institute of Economics Research, Ahmedabad, 15th October, 1977	(ii) Manpower and Educational Planning: Long Term Perspectives
	(iii) Sardar Patel University, Department of Economics, Institute on Teaching of Economics, Vallabh Vidyanagar 21st October, 1977	Teaching of Micro-Economics
	(iv) University School of Commerce, Ahmedabad, 21st January, 1978	(i) Cost-Benefit Analysis of Rural Electrification (ii) Financing of Higher Education
(4) Dr. M. M. Dadi	Sardar Patel University, Department of Economics, Institute on Teaching of Economics, Vallabh Vidyanagar	Teaching of Indian Economics (2 Lectures)
(5) Dr. S. R. Hashim	Sardar Patel Institute of Economics Research, Ahmedabad, 26th October, 1977	Transport Planning (2 Lectures)
(6) Shri N. M. Pandya	Saurashtra University, Bhavnagar, March, 1978	Karl Marx
(7) Prof J. Birje Patil	(i) Central University Hyderabad, July, 1977	Language as theatrical gesture
	(ii) University of Rajasthan, Jaipur, September, 1977	(i) Time in Shakespeare and Marlowe (ii) Modern American Fiction

Name of the Teacher	Institution	Subject
(8) Prof. R. N. Mehta	(iii) University of Punjab, Chandigarh,	Time in Shakespeare and Marlowe
	(iv) USIS, Bombay	Modern American Fiction
	(v) Poona University	Recent American Fiction
	(i) M.T.B. College, Surat C.O.S.H.I.P. Program Sponsored by U.G.C.	Metaphysical Poetry
	(ii) South Gujarat University, April 1977 and February, 1978	Experiment in the modern English Novel
(9) Shri R. M. Pancholi	(iii) H. K. Arts College, Ahmedabad C.O.S.H.I.P. Program February, 1978	She Stoops to Conquer
	(i) Modasa College of Arts and Science C.O.S.H.I.P. Programme	History of the English Language—Old English Period
	(ii) Arts & Science College, Amereli, Saurashtra University January and February, 1978	Teaching English in Science and Arts Colleges
(10) Dr. S. H. Joshi	(i) Saurashtra University, Bhavnagar, February, 1978	New approaches in literary Criticism (Two Lectures)
	(ii) M. Virbai Mahila College, Rajkot (Cohship lecture,) Saurashtra University February, 1978	Gujarati Novel—A Dying Specie
	(iii) Modasa Education College (Gujarat University lecture)	Literature as a means of Knowledge
(11) Dr H. M. Trivedi	આર્ટ્સ એન્ડ કોમર્સ કોલેજ, મિયાગામ—કચ્છ, ફેબ્રુઆરી—૧૯૭૮	હાનાલાલની કવિપ્રતિભા

Name of the Teacher	Institution	Subject
(12) Dr. M. G. Gupta	(i) N.I.C.A. on 25th December, 1977	(i) आधुनिक साहित्य और भारतीय बंध
	(ii) S. P. University Workshop on Hindi short stories, 21st Jan., 1978	(ii) आधुनिक कहानी के रचना विधान आर मूल्यांकन की समस्या
	(iii) S. P. University Department of Hindi on 22nd January, 1978	(iii) अधुनिक युग का सांस्कृतिक पुनर्जागरण और हिन्दी काव्य
	(iv) Rajendra Singh Degree College, Rajpipla, South Gujarat University, 21st February, 1978	(iv) युगीन जीवनमूल्य और साहित्य शिक्षण
(13) Dr. S. G. Kantawala	(i) Indological Research Institute, Saurashtra University, Dwarka	Some problems of textual criticism with reference to the problems of recensions (2 Lectures)
	(ii) Sardar Patel University, Vallabh Vidyanagar	(i) Critical Edition of the Mahabharata (ii) Critical Edition of the Ramayana (iii) The Horse-sacrifice in the Balakands of the Ramayana (iv) Govardhana-dharana : Lith in the Bhagavata Purana
	(iii) Nalini and Arvind Arts College, Vidyanagar	Kalidasa as a Dramatist
(14) Shri S. M. Dave	(i) Arts and Commerce College, Anand	संस्कृत अथवा लाघाओनी आधार शिवा छे
	(ii) Anand Arts College, Anand	संस्कृत व्यवहारनी लाघा अनवा समक्ष छे
(15) Shri P. J. Patel	H. K. Arts College, Ahmedabad, 21st February, 1978	Robert Merton's views, on (a) Middle Range Theory, (b) Paradigm and (c) Anomie and Deviant Behaviour

Name	Programme	Capacity
(1) Prof. V. N. Kothari	(i) 9th Gujarat Economic Conference, Dahod, 29-30, October, 1977	President
	(ii) UGC Panel on Economics, New Delhi	Member
	(iii) Planning Commission, Government of India, New Delhi	Hon-Part-time Non-Official Consultant
	(iv) Study Group on Wages, Incomes and Prices Policy, Gujarat Government, Gandhinagar	Member
	(v) Panel on Methodology of Plan Formulation, State Planning Board, Gujarat Government, Gandhinagar	Member
(2) Dr. K. N. Reddy	(i) Octroi Study Committee, Baroda Municipal Corporation and Federation of Gujarat Mills and Industries, Baroda	Chairman
	(ii) Advisory Committee to Prepare Memorandum to be presented to the Finance Commission, Gujarat Government	Member
	(iii) Panel on Financial Resources, Gujarat State Planning Board	Member
(3) Sarvashri B. S. Kamble and A. Pepalla	Workshop on Syllabus C.I.E.F.L., Hyderabad University, November-December, 1977	Participants
(4) Prof. M. B. Desai	(i) Minimum Wages Advisory Board, Government of Gujarat	Chairman
	(ii) Gujarat Labour Welfare Board, Government of Gujarat	Chairman

Name	Programme	Capacity
	(iii) National Committee on Science and Technology, Government of India	Member
	(iv) Committee on Bibliography of Literature in Gujarati on subjects of Social Sciences, I.C.S.S.R., New Delhi	Member
	(v) Gujarat Land Commission, Government of Gujarat	Member

5. Faculty Union Activities

All Departmental Societies carried out their usual activities such as entertainment programmes, picnics, annual gathering, etc. The Department of Sociology maintains a Library for its undergraduate and postgraduate students. It has a stock of 965 books, some articles, reprints and 74 typed chapter copies.

6. Lectures

Name	Date	Subject of Lecture
(1) Prof. Van Derveen, Amsterdam University, Holland	19-12-1977	Primordial Relations in Indian Society
(2) Dr. (Mrs.) Truo Marlowe Howard University, U.S.A.	31-12-1977	Urban Community Services and Problems
(3) Prof. K.M.A. Aziz, Cholera Research Laboratory, Dacca (Bangladesh)	31-10-1977	Rural Society and Family Welfare in Bangladesh
(4) Prof. D. Tripathi, Indian Institute of Management, Ahmedabad	19-9-1977	Nature of the Indian National Movement
(5) Dr. Kammany, Cornell University, U.S.A.	10-1-1978	American Urban Historiography
(6) Dr. Schultz, Wisconsin University, U.S.A.	17-1-1978 to 1-2-1978	Series of Lectures on American History
(7) Prof. A. R. Kulkarni, Poona University, Poona	13-2-1978	The Marathas

7. Visitors

Name	Date	Department
(1) Dr. N. R. Banerjee, Director, National Museum	5-11-1977	Archaeology
(2) Prof. A. Bhhler, Switzerland	1-3-1978	Archaeology
(3) Prof. David Adany, University of Keele, U.K.	27-1-1978	Political Science
(4) Prof. T. C. Bose, Dibrugarh University UGC National Lecturer)	16-2-1978 19-2-1978	Political Science
(5) Prof. Iqbal Nasani, Rajasthan University, Jaipur	11-3-1978	Political Science
(6) Prof. Glan Johnson, Fulbright Professor Poona University	29-3-1978 31-3-1978	Political Science
(7) Prof. Rajendra Prasad I. I. T Kanpur (U G. C. National Lecturer)	20-3-1978 21-3-1978	Philosophy
(8) Shri Vishnu Prabhakar Scholar of Hindi Dramatist and Story Writer	24-1-1978	Hindi

8. Important Events

(1) The Hindi Department organised the U. G. C. sponsored seminar on Surdas from 10th to 12th March, 1978.

(2) Professor A. P. Rana as a U G. C. National Lecturer for the year 1977-78, delivered lectures in the field of International Politics at the universities of Bombay, S N. D. T, Poona, Jawaharlal Nehru, Panjab, Panjabi, Nagpur, Rajasthan, Jodhpur, Gujarat, Sardar Patel, Osmania, Utkal, Calcutta and Dibrugarh from January to March, 1978

(3) The Department of Philosophy arranged three lectures by Prof. V. K. Gokak, former Vice-Chancellor, Banglore University, on 9th, 10th and 11th March, 1978 on Sri Aurbindo's Philosophy. These were sponsored by the U. G. C.

(4) The Department of English organized a Summer Institute in English during April-May, 1977 under the Joint auspices of the British Council and the

U. G. C. About 60 participants from three different States were invited to take part. More than half a dozen members from the Department constituted the teaching Faculty

(5) The Department of English also arranged a Seminar on 'Roots' the novel by Alex Hailey and a Seminar on Nigerion-Writers. A British Council Seminar was also held in which three distinguished British Professors Brett, Cox and Northam-constituted the Faculty

(6) A Certificate course in English for students as well as outsiders was conducted by the staff of the Department

(7) The Shakespeare Society staged two plays-Harold Pinter's "The Birthday Party." and Kesserling's "Arsenic and Old Lace". The plays were directed by Prof. J. D. Birje Patil

(8) The staff of the Departments of English, Sanskrit, Gujarati, Hindi, Economics and Sociology participated as Resource Personnel in the Orientation Programmes organized by the Faculty of Education and Psychology for teachers of Higher Secondary Schools (Standard XI and XII)

(9) The Department of History has been selected by the University Grants Comission under its Programme of Special Assistance. The Commission has agreed to provide 100% grants on building, equipment, vehicle, library books and journals, teaching, technical and administrative staff, Junior and Senior Research Fellowships, Teacher Fellowships, National Scholarships, publication, contingencies, Seminars, Visiting Professorships, field work and travel and other items of maintenance, upto the period ending 31st March, 1984. The total grant from the U.G.C. will be in the vicinity of Rupees Thirty Lakhs for the period ending March, 1984. The Government of Gujarat has also given assurance that it would take over the 100% liability on staff and other approved items of maintenance from 1st April, 1984 onwards.

(10) The Department of History completed five Gujarati translations of some of the core books in History. in December, 1977. under the translation programme of the I.C. H.R.,

CHAPTER IX—FACULTY OF SCIENCE

1. Courses of Studies

- (a) The courses of studies remained the same as in the previous year.
- (b) Continuous internal evaluation for the M.Sc. classes is being practised and comprehensive evaluation tests have been introduced on experimental basis.
- (c) From this academic year, a new pattern of eight papers at T.Y.B.Sc. (Principal Mathematics) and a new pattern of six papers at T.Y.B.A. (Major Mathematics) have come into existence. On account of this change, over and above certain basic courses, the courses on Numerical Analysis, Computer Science, Linear Programming and Operations Research are now offered to the Mathematics students at the graduate level.
- (d) The syllabus for the Diploma Course in Laboratory Technique has been revised and implemented.

2. Number of students

Class		Boys	Girls	Total
(1)	Diploma in Laboratory Techniques			
	1st Year	8	2	10
	2nd Year	8	—	8
	Total	16	2	18
(2)	Pre-Medical	79	14	93
(3)	F.Y.B.Sc. (B group)	12	3	15
(4)	F.Y.B.Sc.	490	172	662
(5)	S.Y.B.Sc.	237	134	371
(6)	T.Y.B.Sc.	186	99	285
	Total	1004	422	1426
(7)	M.Sc. (Previous)	148	67	215
(8)	M.Sc. (Final)	109	51	160
(9)	M.Sc. (Applied Geology)	10	—	10
	Total	267	118	385
(10)	Ph.D.	55	15	70
	Total	55	15	70
	Grand Total	1342	557	1899

3. Staff

(a) Present Position :

The staff of the Faculty consisted of 14 Professors, 25 Readers, 139 Lecturers, 120 Class III and 82 Class IV employees.

The teachers of the Faculty carried out teaching assignments in other Faculties and Institutions of the University, where Science subjects are included in their courses viz. Faculty of Arts and Faculty of Commerce.

(b) New Appointments :

(1)	Dr. Amrish Shah	Reader in Chemistry	1-7-1977
(2)	Dr. R. V. Karanth	Lecturer in Geology	2-3-1978

(c) Teachers appointed to higher posts :

(1)	Dr. A. R. Mehta	Professor of Botany	2-3-1978
(2)	Dr. S. D. Sabnis	"	2-3-1978
(3)	Dr. M. Sreehari	Professor of Statistics	2-3-1978
(4)	Dr. A. B. Darji	Reader in Physics	2-3-1978
(5)	Dr. N. M. Vashi	Reader in Geology	2-3-1978
(6)	Dr. S. J. Desai	"	2-3-1978
(7)	Dr. A. K. Desai	Reader in Zoology	2-3-1978
(8)	Dr. Bonny Pilo	"	2-3-1978

(d) Teachers who left the University :

(1)	Smt. V. A. Janaki	Professor of Geography	Retired
(2)	Dr. S. W. Dharmadhikar	Professor of Statistics	Resigned
(3)	Shri B. M. Pandya	Lecturer in Mathematics	Resigned
(4)	Smt. J. G. Jaiswal	Lecturer in Geography	Resigned
(5)	Dr. A. N. Kachhy	Lecturer in Microbiology	Resigned

4. Professional Growth of the Staff

(a) Published Articles/Papers :

Name	Title	Name of the Journal wherein published with month of publication
<i>Bio-Chemistry</i>		
(1) Rajlakshmi. R. and Ramakrishnan, C. V.	Formulation and evaluation of meals based on locally available food for young children	Wld. Rev. Nutr. Diet. 27, 34-, 1977

Name	Title	Name of the Journal wherein published with month of publication
(2) Nakhasi, H. L. Sharma, M. and Singh, M.	Effects of Pre-natal and neonatal nutritional deficiencies on the 2'-cyclic nucleotide-3'-phosphohydrolase activity in the brain and spinal cord of rats	Exp. Neurol., 57, 659
(3) Rajlakshmi R., Merchant, G. V. and Gandhi, V. H.	Effects of calcium and/or vitamin D supplementation on skeletal status of children, school boys and adults	Baroda J. Nutr. 4,5 1977
(4) Rajlakshmi, R. and Dave, J. R.	Effects of deficiencies of food energy protein and vitamin A on the composition of the femur in rats	Baroda J. Nutr., 4, 23. 1977
(5) Ramakrishnan, C. V. and Bhandari, S. D.	Effects of Prenatal undernutrition on intestinal phytase activity of newborn rats	Nutr. Rep. Int., 16, 147, 1977
(6) Ramakrishnan, C. V., Parekh, L. J., Akolkar, P. N., Rao, G. S. and Bhandari, S. D.	Studies on soyidli fermentation	Plant Food for Man. 2, 13, 1977
(7) Ramakrishnan, C. V., and Rao, G. S.	Haemagglutinin hydrolysing microorganisms from soyidli batter	Baroda J. Nutr., 4, 9.
(8) Srivastava, S. K. and Prakash, V. S.	Regulation of diamine oxidase in germinating pea seeds	Phytochemistry, 16, 185, 1977
(9) Srivastava, S. K. and Prakash V.	Purification and properties of pea cotyledon and embryo dismine oxidase	"
(10) Srivastava, S. K., Prakash V. and Naik B. I.	Effect of ethanol and chlorethanol on pea DAO activity	Phytochemistry. 16 1297, 1977

Name	Title	Name of the Journal wherein published with month of publication
<i>Botany</i>		
(11) S. N. Vajrana- bhaian and A. R. Mehta.	Effects of Kinetin on growth and nucleic acid metabolism suspensions of <i>Cucumis melo</i> L	Ann. Bot. (U.S.) 41, 483, 1977
(12) R. R. Shah and A. R. Mehta	Development of enzyme activities related to phenolic compounds in <i>C. Juncea</i>	Indian J. Expt. Biol., 16, 112, 1978
(13) R. R. Shah K. V. Subhaiah and A. R. Mehta	Carbohydrate influence on Polyphenolic accumulation in <i>Cassia</i> and <i>Datura</i> tissues cultured in vitro	Biologia Plantarum (Praha), 20, 5, 1978
(14) R. R. Shah and A. R. Mehta,	Growth and Phenolic Induction in cells Cultures of <i>Crotolaria</i>	Curr. Sci. 47, 91, 1978
(15) K. S. S. Rao and S. D. Sabnis	Additions to Kutch Flora	Journ. Biol. Sciences, March, 1978
(16) M. Daniel and S. D. Sabnis	Chemotaxonomical Studies on Capparidaceae-Cleomaceae	Curr. Sci. 46 (14).
(17) M. Daniel and S. D. Sabnis	Chemical systematics of Family Gentianaceae	Curr. Sci. 47 (4) 109, 1978
(18) Sanjappa M. and R. P. Bhatt	IOBP Chromosome Numbers report LVI	Taxon Vo., 26, (213) 266, 1977
(19) R. P. Bhatt and S. D. Sabnis	Aquatic vegetation of Khedbrahma region of north Gujarat	Jour. M.S.U. 25 (3), 27-30, 1977
(20) S. N. Padate	Vegetation of Ravines of Savali Taluka, Dist. Baroda, Guj., State	Journ., M.S.U., Vol., XXV & XXVI, No. 3, 1976-77 Published in 1978
(21) S. N. Padate, Hansa Patel and J. V. Joshi	Notes of <i>Aeginetia Indica</i> L	Geobios. 5, 95, 96, 1978
(22) G. M. Oza	<i>Rungia muralis</i> Nees for India	Ind. For. 103 : 157 t. 1

Name	Title	Name of the Journal wherein published with month of publication
(23) G. M. Oza	<i>Canscora sessiliflora</i> Roem. and Sen. Extension of Geographical range	J. Bom. Nat. Hist. Soc. 73 : 556-558. f.1
<i>Chemistry</i>		
(24) J. S. Dave, George Kurian and N. R. Patel	Mesomorphic behaviour of some naphthalene schiff bases : 4-n-Alkoxy-1-naphthylidene-4-n-butoxyanilines	Current Science, 46, 300, 1977
(25) J. S. Dave, George Kurian and N. R. Patel	Liquid crystalline behaviour of some schiff bases derived from 4-n-Alkoxy-1-naphthaldehyde and p-(n-alkoxy) anilines	Indian J. Chem., 15A, 1009, 1977.
(26) George Kurian and J. S. Dave	Mesomorphic behaviour of cholesteryl esters (VI) : 4-n-alkoxy-1-naphthylidene-p-amino-benzoates of cholesterol	Molecular Crystals and Liquid Crystals. 42, 193, 1977
(27) J. S. Dave and George Kurian	Mesomorphic behaviour of Schiff base esters I. (a) P-(p'-n-alkoxybenzoy) benzylidene-p''-toluidines anisidines, (b) p-(p'-n-alkoxybenzoyloxy) benzylidene-p''-toluidines	Molecular Crystals and Liquid Crystals, 42, 175 (1977)
(28) V. B. Mohankumar, B. T. Thaker and P. K. Bhattacharya	Reaction of N-Hydroxy-allylamines with bis and mixed Schiff base complexes of Cu (II)	Bull. Chem. Soc., Japan, 50 (6), 1482, 1977
(29) Uma Doraswamy and P. K. Bhattacharya	Studies in some mixed ligand complexes containing-b-dicarbonyls part III	Indian J. Chem. 15A (4), 324, 1977
(30) B. A. Jani and P. K. Bhattacharya	Studies of 2-OH propiophenone mixed Schiff base complexes part I	Indian J. Chem. 15A, 750, 1977
(31) R. K. Kohli and P. K. Bhattacharya	Mixed ligand complex of Ni (II) containing tertiary amine and aromatic aldehyde or Ketone	J. Indian Chem. Soc. 54, (4), 340, 1977

Name	Title	Name of the Journal wherein published with month of publication
(32) R. K. Kohli and P. K. Bhattacharya	Studies of tertiary complexes of aromatic amine schiff bases.	Indian J. Chem. 15A(6) 566, 1977.
(33) Uma Doraswamy and P. K. Bhattacharya	Nitration of some mixed ligand complexes containing B-Carbonyls	Indian J. Chem. 15A, 828, 1977
(34) D. O. Shah and K. N. Trivedi	Synthesis of Phenanthroindolizidine derivatives	Indian J. Chem. 15B, 599, 1977
(35) D. O. Shah and K. N. Trivedi	Nitrogen mustards derived from t-Bromomethyl-2-hydroxy-quinoline derivatives	Indian J. Chem. 15B, 286, 1977
(36) S. P. Prajapati, J. H. Pardanani and Suresh Sethna	Studies on 4, 4'-Dihydroxy diphenyl Sulphon and 4, 4'-Dihydroxy diphenyl Ether	J. Indian Chem. 54, 971, 1977
<i>Geology</i>		
(37) S. D. Desai and N. D. Desai	Granits as dimension stone with special reference to granite of Gujarat	Gujarat Mineral Industry Convention, Ahmedabad-1977
(38) S. D. Desai and P. K. Patel	Industrial application of Bentonite	Gujarat Mineral Industry Convention, Ahmedabad-1977
(39) S. D. Desai and P. K. Patel	The role of Bentonite in foundry moulding sand	Min. Wealth (Clay Issue) Vol. XIII-1977
(40) S. D. Desai and J. M. Shirke	Fire Clay-occurrence, origin, classifications and Industrial utility	Min. Wealth (Clay issue) Vol. XIII-2, 1977
(41) D. R. Gadekar	Sedimentary structures in tertiary rocks of South Gujarat and their environment significance	Jour. Geol. Soc. India, Vol. 16, pp. 549-557
(42) D. R. Gadekar	Particle size determinations of tertiary rocks from South Gujarat and their significance in the reconstruction of depositional environment	Bull. Ind. Geol. Assoc. Vol. 10 (2) p. 45-56

Name	Title	Name of the Journal wherein published with month of publication
(43) D. R. Gadekar, R. P. Agase, C. S. Tongaokar, A. N. Thakur, R. V. Joshi and N. K. Joshi	Petroleum in Government of Maharashtra	Vishwakosha Government of Maharashtra. Vol. 4, p. 560-590
(44) N. M. Vashi	The Problem of south Almora thrust	Himalayan Geology, Vol. 6
(45) O. K. Shah and S. S. Merh	Structural geology and stratigra- phy of Bhimtal-Bhowali area in Kumaun Himalaya-A reinterpret- ation	Jl. of the Geol. Soc. of India, Vol. 19, No. 3, March, 1978, pp. 91 to 105
(46) D. M. Shringarpure	Problems of Mesozoic and terti- ary sedimentology stratigraphy palaeontology.	U.G.C. all India Se- minar at Lucknow.
(47) P. P. Patel and P. P. Unni	Economic mineral deposits the Quaternary terrains of Gujarat.	Proc. Quatr. Sem. Baroda-1977.
(48) P. P. Patel and M. G. Hardas	Morpho-tectonic framework of Gujarat coast	Proc. Quatr. Sem. Baroda, 1977
(49) P. P. Patel and J. V. Bhatt	Depositional environments of Pseudo-Oolites of Saurashtra coast	In Ecology and Ar- chaeology and Wes- tern India Ed. by Agrawal and Pande Concept Publishing Co. Delhi-1977, pp. 233.235
<i>Mathematics</i>		
(50) S. R. Agrwal	On mean convergence of Dini series	Accademia Nazionale dei Lincei, Randi- conti. Vol. LXII (1977), 305-315
(51) S. R. Agrawal	On the mean convergence of a Fourier-Bessel series	Indian Journal of Mathematics, 19, (1977), 1-8
(52) S. R. Agrawal	On boundedness of difference Kernels of Dini and Fourier series of a function	Journals of M. S. University, Vol., XXV, XXVI (1976- 77), 49-56

Name	Title	Name of the Journal wherein published with month of publication
<i>Microbiology</i>		
(53) J. D. Desai and V. V. Modi	Growth, glucose metabolism and melanin formation in biotin deficient <i>A. nidulans</i>	Folia microbiologia 22, 55 p., 1977
(54) J. D. Desai and V. V. Modi	Regulation of ammonia uptake in <i>A. nidulans</i>	Experientia 33, 1592 p. 1977
(55) J. D. Desai and V. V. Modi	Regulation of glucose transport in <i>A. nidulans</i>	Experientia 33, 726 p. 1977
(56) Anjana Desai, Shaila Patel and V. V. Modi	Rhizobial haemoglobin and L- amino levulinic acid synthetase activity in <i>R. japonicum</i>	Ind. J. Expt. Biol. 15, 528, 1977
(57) A. N. Kachhy, V. V. Modi and H. C. Vaidya	Induction of B-galacto-sidase in <i>L. acidophilus</i>	Ind. J. Exp. Biology, 15, 271 p., 1977
(58) H. G. Desai and V. V. Modi	Physiology of mated cultures of <i>B. trispora</i> and mechanism of trisporic acid action	Ind. J. Expt. Bio- logy, 15, 60 g p., 1977
(59) H. G. Desai and V. V. Modi	Carotenogenesis by penicillin in <i>B. trispora</i>	Phytochemistry, 16, 1373 p, 1977
(60) Satya Rao and V. V. Modi	Carotenogenesis : possible me- chanism of action of trisporic acid in <i>B. trispora</i>	Experientia 33, 31 p, 1977
(61) S. M. Baqui, A. K. Mattoo and V. V. Modi	Glyoxylate metabolism and fatty acid oxidation in mango during development and ripening	Phytochemistry, 16, p. 51, 1977
<i>Physics</i>		
(62) S. G. Shah and M. M. Patel	Spectrum of BaI molecule in the visible region	Ind. J. of Pure and Appl. Phys. Jan. 1978
(63) N. S. Pandya, V. P. Bhatt, A. R. Vyas and S. R. Pandya	Hopper growth in Bi-Sb crystals	Ind. J. of Pure and Appl. Phys., 15, (1977), 444
(64) N. S. Pandya, V. P. Bhatt, A. R. Vyas and G. R. Pandya	Micro-hardness studies on the cleavage plane of Bi-Sb alloy single crystals	Ind. J. of Pure and Appl. Phys., 1977

Name	Title	Name of the Journal wherein published with month of publication
<i>Statistics</i>		
(65) M. Sreehari (jointly with Dr. D. N. Shan- bhag and Mr. D. Pestana)	Some further results in infinite divisibility	Math. Proc. Cam- bridge Phil. Soc. 82 (1977), pp. 289-295
(66) M. Gandotra	Internal Migration in India	A Chapter in the ESCAP Monograph <i>Population of India</i> , sponsored by Eco- nomic and Social Commission for Asia and Pacific, United Nations, Bangkok, Thailand Issue 10 August, 1977, Annual Pub- lication of the De- mographic Research Centre, Baroda
(67) Narayan Das and Divya Pandey	Baroda Reporter	J. Anat. 123 : 3 pp. 745-749, 1977
(68) Nene R. V.	A histochemical study of choli- nesterases in arm and forearm muscles of the pigeon and fowl.	J. Anim. Morphol. Physiol. 24 : 1, pp. 51-55, 1977
(69) Athavale N. V., Asnani M. V., Pilo B. and Shah R. V.	Histomorphology of the femoral glands in the agamid lizard, <i>Uro- mastix hadwickii</i> (Gray)	J. Anim. Morphol. Physiol. 24 : 1, pp. 65-75, 1977
(70) Shah R. V., Kothari J. S. and Hiradhar P. K.	Alterations in certain metabolites during tail regeneration in the gekkonid lizard, <i>Hemidactylus flaviviridis</i>	J. Anim. Morphol. Physiol. 24 : 1, pp. 76-85, 1977
(71) Shah R. V., Kinariwala R. V. and Ramchandran A. V.	I. The effect of tail regeneration on hepatic glycogen content and blood glucose level, in the scincid lizard, <i>Mabuya carinta</i>	J. Anim. Morphol. Physiol. 24 : 1, pp. 86-90, 1977
(72) Kinariwala R. V. Shah R. V. and Ramchandran A. V.	II. The effect of tail amputation and wound healing on hepatic glycogen content and blood glu- cose level, in the agamid lizard, <i>Calotes versicolor</i>	J. Anim. Morphol. Physiol. 24 : 1, pp. 186-191, 1977

Name	Title	Name of the Journal wherein published with month of publication
(73) Shah R. V. and Hiradhar P. K.	Levels of total lipids; and histo- chemical distribution of malic enzyme in the normal and re- generating tail of the house lizard, <i>Hemidactylus flaviviridis</i>	J. Anim. Morphol. Physiol. 24 : 1, pp. 91-98, 1977
(74) Shah R. V., Menon G. K., Desai J. H. and Jani M. B.	Feather loss capital tracts of painted storks related to growth and maturity : 1. Histophysio- logical changes and lipid secre- tion in the integument	J. Anim. Morphol. Physiol. 24 : 1, pp. 99-107, 1977
(75) Pilo B. and Patel P. V.	Neuroendocrine regulation of Blood sugar level in pigeon	J. Anim. Morphol. Physiol. 24 : 1, pp. 108-117, 1977
(76) Ambadkar P. M. and Kotak V. C.	Seasonal variations of lipids and steroid dehydrogenases in the overies of feral blue rock pigeon <i>Columba livia</i> —A histochemical study	J. Anim. Morphol. Physiol. 24 : 1, pp. 118-126, 1977
(77) Patel P. V. and Pilo B.	Cholinergic assistance to the release and action of insulin in rats	J. Anim. Morphol. Physiol. 24 : 1, pp. 127-135, 1977
(78) Kathuria P. D., Asnani M. V., Pilo, B. Kishnani K. T. and Shah R. V.	Wound healing and repair in the skin of alloxan diabetic rats. 3. Histo-chemical studies on acid and alkaline phosphatases	J. Anim. Morphol. Physiol. 23 : 1, pp. 136-149, 1977.
(79) Kishnani K. T., Pilo, B., Asnani M. V., Kathuria P. D. and Shah R. V.	Wound healing and repair in the liver of alloxan diabetic rats. 3. Histo-chemical and quantitative studies on alkaline and acid phos- phatases	J. Anim. Morphol. Physiol. 24 : 1, pp. 150-162, 1977
(80) Ambadkar P. M. and Vyas D. M.	Histochemical observations on certain hydroxysteroid dehydro- genases in the rat preputial gland	J. Anim. Morphol. Physiol. 24 : 1, pp. 186-191, 1977

(b) Published Books :

Sr.No.	Name of the Book	Name of the Authors	Publisher
(1)	Physiology of Flowering Plants (in Gujarati)	Prof. C. H. Pathak and Dr. A. R. Mehta	University Granth Nirman Board, Ahmedabad
(2)	Some Aspects of the Political Geography of India	Prof. (Smt.) V. A. Janaki	M. S. University of Baroda

(c) Papers presented at all India level Seminars, Conferences etc. :

Sr. No.	Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the Paper presented
Bio-Chemistry			
(1)	Prof. C. V. Ramakrishnan	Indian Dietetic Association, Calcutta, 1977	A key role address
Botany			
(2)	M. Daniel and S. D. Sabnis	Indian Science Congress Sessions 65, Ahmedabad, January, 1978,	(i) Flavonoids and Phenolic acids of Apocynaceae. (ii) Flavonoids and Phenolic acids of Asclepiadaceae and their reference on the taxonomy of the group
(3)	G. Prathapasanen and C. H. Pathak	Indian Science Congress Sessions 65, Ahmedabad, January, 1978,	Effects of gibberellic acid on the pattern of growth of radicle and Hypocotyl
(4)	S. D. Sabnis and S. J. Bedi	2nd All India Ayurvedic Research Seminar held at Ahmedabad, 25th to 27th April, 1977	Important tribal medicinal plants of Gujarat.
(5)	M. K. Kshirsagar	Indian Science Congress, Ahmedabad, January, 1978,	In vitro studies of the gametophytes of <i>Adiantum trapeziforma</i> . L
(6)	M. K. Kshirsagar and A. R. Mehta	All India Symposium of Plant tissue culture at Baroda, February, 1978	Experimental regulation of differentiation in Sporophytic callus of Fern

Sr. No.	Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the Paper presented
Chemistry			
(7)	Dr. K. N. Trivedi	Annual Convention of Chemists, Jaipur	Studies in the synthesis of xanthenes part I
Geology			
(8)	Shri D. M. Shringarpure	University of Lucknow, March, 1978	Problem of Mesozoic and Tertiary sedimentology, stratigraphy and palaeontology
(9)	Prof. S. S. Merh	Int. Geodynamic Conference, Kathmandu, March, 1978	Structural geology of Kusma-Sirkang section of the Kaligandaki valley and its bearing on the tectonic frame work of Central West Nepal Himalaya
(10)	Prof. S. S. Merh	Int. Geodynamic Conference, Kathmandu, March, 1978	The Aravalli-Delhi proto-plate tectonics and the evolution of the Himalaya.
(11)	Dr. N. M. Vashi	Int. Geodynamic Conference, Kathmandu, March, 1978	Kaligandaki gravel deposits of Central West Nepal—their neotectonic significance
Mathematics			
(12)	Prof. V. M. Shah	43rd Conference of the Indian Mathematical Society at Aligarh, 27, 28, 29 December, 1977	Absolute Convergence of Lacunary Fourier series.
Microbiology			
(13)	N. N. Rao, V. V. Modi and K. M. Bhatt	Microbiologists of India, Madurai, December, 21-23, 1977	Studies on Fungal spoilage of stored mangoes

Sr. No.	Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the Paper presented
(14)	H. B. Mehta, V. V. Modi and H. K. Thakker	Microbiologists of India, Madurai, December, 21-23, 1977	Effect of diacetyl and glyoxal on growth and favinogenesis by <i>E. ashbyii</i>
(15)	Satya Rao and V. V. Modi	Microbiologists of India, Madurai, December, 1977	Role of proteases in the hormonal control of carotenogenesis in <i>B. trispora</i>
(16)	Satya Rao, V. V. Modi and U. K. Jani	Microbiologists of India, Madurai, December, 1977	Chemical regulators of carotenogenesis in <i>B. trispora</i>
(17)	N. S. Govind, Satya Rao and V. V. Modi	Microbiologists of India, Madurai, December, 1977	Fermentative production of carotene in <i>B. trispora</i>
(18)	A. M. Dandekar, V. V. Modi and R. Rajalaxmi	Microbiologists of India, Madurai, December, 1977	Characterisation of the receptor site for phage M-1 specific for <i>R. japonicum</i>
(19)	A. M. Dandekar and V. V. Modi	Microbiologists of India, Madurai, December, 1977	Temporal genetic mapping in <i>R. Japonicum</i> using N-methyl-N'-N-nitro-sogunidine
(20)	B. S. Parekh, S. M. Baqui and V. V. Modi	47th Annual Conference of Socio-Biological Chemists (India), Madras, (September, 22-24), 1977	Effect of hormones on permeability of mango tissue slices
(21)	A. Wali, A. K. Mattoo and V. V. Modi	18th Annual Conference of Asson.-Microbiologists of India, Madurai, December, 21-23, 1977	Properties of L-malate NAD oxide reductase from a thermophilic strain of <i>Mucor pusillus</i>
(22)	A. K. Mattoo, A. M. Dandekar, V. V. Modi, N. Phillips, and K. Shailubhai	Industrial Fermentation Symposium, RRL, Jammu (India), March, 4-6, 1978	Problems and potentials of using indigenous seasonal fruits for wine fermentation

Sr. No.	Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the Paper presented
(23)	J. K. Buch, Vilas Patel and P. J. Dave	18th Annual Conference of Assn. Microbiologists of India, Madurai, December, 21-23, 1977	Detoxification of aflatoxins by various plastics
(24)	K. A. Patel and P. J. Dave	18th Annual Conference of the Assn. of Microbiologists of India, Madurai, December, 21-23, 1977	Effect of shift of temperature of incubation on prodigiosin synthesis on phage adsorption
(25)	K. A. Patel, Asmita Patel and P. J. Dave	18th Annual Conference of the Assn. of Microbiologists of India, Madurai, December, 21-23, 1977	Isolation and characterization of mema phage
(26)	Chhaya Achwal and P. J. Dave	18th Annual Conference of the Assn. of Microbiologists of India, Madurai, December, 21-23, 1977	Purification and characterisation on inhibitory substance for <i>E. coli</i> from Curd
(27)	Sanjeev Shah and P. J. Dave	18th Annual Conference of the Assn. of Microbiologists of India, Madurai, December, 21-23, 1977	Microflora of jaggery, sugar and sweets
(28)	A. K. Mattoo	Industrial Fermentation Symposium, R.R.L. Jammu (India), March, 4-6, 1978	Extracellular accumulation of aminopurine nucleotides and control of nucleotide degrading enzymes in <i>N. crassa</i>
(29)	A. K. Mattoo	All India Symposium, Plant Tissue Culture, M. S. University, Baroda, February, 7-9, 1978	Protoplast culture as a tool for studying the assembly of ethylene forming systems in higher plants
Physics			
(30)	S. R. Pandya	Conference on MATSCIENCE at Mysore, 11th to 14th February, 1978	Estimate of the binding energy of an electron in a dipole field
(31)	V. P. Bhatt	"National Conference on Crystallography" at Vidyanagar" 13th to 16th February, 1978	(i) Thermal Etching of Tellurium single crystals (ii) Growth Mechanism of Se-Te whisker crystals

Sr. No.	Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the Paper presented
(32)	V. P. Bhatt	"Symposium on Crystal Physics" at Hyderabad 5th to 7th December, 1977	Electrolytic etching of antimony crystals.
Statistics			
(33)	M. S. Sreehari	UGC Sponsored Seminar at Poona, 6-9, February, 1978	Some recent results in infinite divisibility.
(34)	Narayan Das	Third Annual Conference of IASP, Hyderabad, 16-18, March, 1978	Interrelationship between Population Growth and Development in India.

(d) Talks given at different Universities :

Name of the Teacher	University	Subject of the Lecture
Geography		
(1) Prof. (Smt.) V. A. Janaki	(i) University of Udaipur	(i) Concept of the Region
		(ii) Political Geography of the N.W. Frontiers of India
	(ii) Shivaji University, Kolhapur	(i) Regionalism in Geography
		(ii) Indian Ocean Politics
	(iii) Central School, Baroda	(iii) Sea Power and the Law of the Sea.
		Theory of Regions in Geography

Mathematics

(2) Prof. V. M. Shah	South Gujarat University, Surat, 6th to 11th June, 1977	Theory of Distributions —the sequential approach (2 Lecturers).
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Microbiology

(3) Prof. V. V. Modi	(i) Walter Rud Medical Centre, Washington, U.S.A.	Genetics and Applied Microbiology
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Name of the Teacher	University	Subject of the Lecture
	(ii) U.S.D.A. Peoria, Illinois, U.S.A.	Genetics and Applied Microbiology
	(iii) University of Wisconsin, Madison, U.S.A.	Genetics and Applied Microbiology
	(iv) University of Philadelphia, Philadelphia, U.S.A.	Genetics and Applied Microbiology
	(v) M.I.T., Boston, U.S.A.	Genetics and Applied Microbiology
	(vi) University of Illinois, Illinois, U.S.A.	Genetics and Applied Microbiology
	(vii) Madurai University, Madurai, India	Presidential Address, 18th Annual Meeting of Association of Microbiologists of India, 1977.

(4) Dr. P. J. Dave	(i) Gujarat Water Pollution Control Board	Biological indicator organisms in water quality.
	(ii) Gujarat University	Advances in Genetics

Physics

(5) Prof. M. M. Patel	M. N. College, Visnagar, Gujarat University	Lesers and their applications
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(e) Participation in Inservice Programme :

Name of the Teacher	Programme, Place and Date	Capacity in which participated
(1) Dr. C. H. Pathak	U.G.C. Sponsored Refresher Course on Current Trends in Plant Science, 8-21, May, 1977	Director.
(2) Prof. V. M. Shah	Higher Secondary Teachers' Training Programmes sponsored by Gujarat Government during 16th May to 4th June and 28th October to 8th November, 1977	Conevner
(3) Shri V. D. Pathak	Tata Institute of Fundamental Research, Bombay from 1-6-1977 to 30-6-1977	Visiting Member

Name of the Teacher	Programme, Place and Date	Capacity in which participated
(4) Shri V. M. Kaka	Two Week Seminar on "Quantum Mechanics" sponsored by U.G.C. from 30th May to 11th June, 1977 organised by Physics Department, M. S. University of Baroda	Participant
(5) Shri K. P. Joshi	Two Week Seminar on "Quantum Mechanics" sponsored by U.G.C. from 30th May to 11th June, 1977 organised by Physics Department, M. S. University of Baroda	Participant

5. Faculty Union Activities

- (1) The Faculty Students' Association arranged Film-show and Garba/Ras Competition.
- (2) The students of the Faculty participated in cultural items of the 27th University Festival held from 2nd to 8th January, 1978 and won prizes in classical Dance, Debate in English and General Knowledge Quiz.
- (3) Prof. N. S. Pandya Trophy debate was arranged on 17th February, 1978. The trophy was won by the Microbiology Department.
- (4) An Inter-School debate was arranged on 18th February, 1978. The I.P.C.L. School won the Trophy.

6. Faculty Publications

- (1) Baroda Journal of Nutrition Prof. (Mrs.) R. Rajalakshmi July and December
- (2) Journal of Animal Morphology and Physiology Prof. R. V. Shah June and December
- (3) "PAVO" the Indian Journal of Ornithology Prof. R. V. Shah March and September

7. Visitors

Name and Designation	Dates of the Visit
(1) Professor S. L. Manocha, Emory University, Atlan Georgia, U.S.A.	3- 6-1977
(2) Dr. P. J. Deoras, Haffkine Institute, Bombay	28-11-1977
(3) Dr. Anand Sarabhai, Scientist, Ahmedabad	2-12-1977
(4) Professor A. K. Shah, Professor of Geology, Calcutta University	29-12-1977
(5) Professor I. K. Kaul, Professor of Geophysics, I.I.T., Kharagpur.	30-12-1977
(6) Dr. M. S. Swaminathan, F.R.S., Director General, I.C.A.R. and Secretary to Government of India	5- 1-1978
(7) Dr. V. Puri, F.N.A., Professor Emeritus, University of Meerut.	7- 1-1978
(8) Professor O. Siddiqui, Head, Molecular Biology Unit, T.I.F.R., Bombay.	18- 2-1978
(9) Professor J. C. George, University of Guelph, Guelph, Ontario, Canada.	24- 2-1978 to 27- 2-1978
(10) Professor Gerhard Schmidt, Technical University of Hannover, West Germany	17- 3-1978

CHAPTER X-(A)—FACULTY OF EDUCATION AND PSYCHOLOGY

1. Course of Studies

The courses of studies remained the same as in the previous year.

2. Number of Students

The number of students enrolled in various courses during the year was as follows:

	Men	Women	Total
(a) <i>Under-graduate Diploma :</i> Diploma in Education	—	1	1
Total	—	1	1
(b) <i>Degrees :</i>			
(i) B.Ed.	48	111	159
(ii) S.Y.B.A.	31	58	89
(iii) T.Y.B.A.	20	33	53
Total	99	202	301
(c) <i>Post-graduate Degrees :</i>			
(i) M.Ed. (Full-time)	5	6	11
(ii) Jr. M.Ed. (Part-time)	16	14	30
(iii) Sr. M.Ed. (Part-time)	14	9	23
(iv) M.A.—Part I (Psychology)	3	12	15
(v) M.A.—Part II (Psychology)	3	12	15
Total	41	53	94
(d) <i>Doctorate :</i>			
(i) Ph.D. (Education)	16	15	31
(ii) Ph.D. (Psychology)	6	4	10
Total	22	19	41
Grand Total	162	275	437

3. Staff

(a) *Present Position :*

During the year the staff of the Faculty (including CASE) consisted of 4 Professors, 9 Readers, 26 Lecturers, 1 Teaching Assistant, 17 Class III and 10 Class IV Servants.

(b) *Teachers who left the University :*

- (1) Professor M. B. Buch, Head, Department of Education and Head, CASE retired on 8-10-1977.
- (2) Dr. S. M. Divekar, Reader in Educational Administration retired on 31-7-1977.
- (3) Dr. (Kum.) S. S. Pandit, Lecturer in Educational Administration retired on 31-8-1977.

4. Professional Growth of the Staff

(a) *Publication of Article/s Papers :*

Name of the Teacher	Title	Name of the Journal wherein published with month of publication
(1) Dr. D. C. Joshi	(i) Wanted a Research and Development Centre in Teacher Higher Education	College View, October, 1977
	(ii) A Bibliography of Research Projects completed on Higher Education	University Administration, January, 1976
	(iii) J. Krishnamurti—A Meaning of Life and Emerging Purposes of Education	Teacher Today, March, 1977
	(iv) The Rural Institute—A Failure of an Innovation	College View, June, 1977
	(v) N.S.S.—A Venture of Faith	Journal of Higher Education, Col. 2, No. 1
(2) Dr. (Miss) M. M. Shah	(i) Observation—A Tool for Scientific Investigation	Experiment in Education, Vol. V, No. 7, September, 1977
	(ii) Investigation by Experiment	Experiment in Education, Vol. V, No. 8, October, 1977
	(iii) Process of Scientific Investigation	Experiment in Education, Vol. V, No. 10, December, 1977
	(iv) Skills needed for Scientific Investigation	Experiment in Education, Vol. V, No. 11, January, 1978

Name of the Teacher	Title	Name of the Journal wherein published with month of publication
	(v) Teaching Science in Primary Schools	Experiment in Education, Vol. V, No. 11, January, 1978
(3) Dr. (Smt.) Piloo Buch	Promoters of Educational Innovations	Teacher Today, April-June, 1977
(4) Dr. (Miss) M. Gon	A Psychogenetic Study of Person Concept	Indian Journal of Psychology, 1977, Vol. 52, Part 2, 151-163

(b) *Publication of Books and Brochures :*

Name of the Teacher	Title of the Book	Name of the Publisher with the month of Publication
(1) Prof. D. M. Desai	(i) School Climate and Educational Changes (edited)	A. R. Sheth and Co., Ahmedabad, January, 1978
	(ii) Leadership for better Instruction (edited)	A. R. Sheth and Co., Ahmedabad, April, 1977.
(2) Dr. D. B. Desai	Shala Sanchalanna Navin Pravaho	A. R. Sheth and Co., Ahmedabad
(3) Dr. (Miss) M. M. Shah	Adhyapan Pothi, Vignan, Std. VI	School Text-book Board
(4) Dr. B. R. Panchal	Preparation of Unit Plans and Unit Tests, and Preparation of Assignments in Science for Stds. VIII, IX and X	Extension Department, Faculty of Education and Psychology, Baroda.

(c) *Papers presented at All India Level Seminars, Conferences etc. :*

Name of the Teacher	Name, Place and Date of Conference/Seminar	Title of the Paper presented
(1) Dr. (Miss) M. M. Shah	Seminar—Orientation Programme of Micro-teaching for Teacher Educators at College of Education, Jamshedpur, 4th to 9th January, 1978	Techniques of Teaching and Researches done in the area of Micro-teaching

Name of the Teacher	Name of the University/Institution	Subject of the talk given
1	2	3
(d) <i>Talks given at Universities/Institutions</i>		
(1) Dr. D. B. Desai	(i) Madurai University	System Renewal
	(ii) College Principals' Association	Motivation and Innovation in Institutions
	(iii) College of Education, Dabhoi	Renewal
	(iv) College of Education, Palanpur	Motivation
	(v) Florida Team of Teachers	Inward Journey
	(vi) State Institute of Education	Innovation in Schools
(2) Dr. (Miss) M. M. Shah	Female Training College, Chhotaudaipur	Skills needed for becoming better teacher
(3) Dr. (Smt.) Piloo Buch	College of Education, Dabhoi	Innovation and its Evaluation
(4) Dr. N. S. Pathak	(i) University School of Psychology, Gujarat University, Ahmedabad, 1st to 4th November, 1977	Research Methodology in Psychology for College Teachers. (8 Lecturers and 4 Practical Demonstrations)
	(ii) J. M. Shah Arts and Commerce College, Jam-busur on 12th January, 1977	Human Relations in Industry
(5) Shri J. B. Patel	Gujarat Agricultural University, Anand Centre on 23rd December, 1977	Communication Strategy for Tribal and Rural Areas

(e) Participation in Inservice Programme :

Name of the Teacher	Programme, Place and Dates	Capacity in which participated
1	2	3
(1) Dr. D. B. Desai	(i) AINACS Seminar, Goa, October, 1977	Director and Resource Person
	(ii) Seminar for Teacher Missionary Schools, Belgaum, November, 1977	Director and Resource Person
	(iii) Seminar for Principals, Notredame Academy, Patna	Director and Resource Person
	(iv) Coimbatore Headmasters' Association, Principals' Seminar 22-29 May, 1977	Director and Resource Person
	(v) Sophia High School Teachers' Seminar, Bangalore, 30 May to 3rd June, 1977	Director and Resource Person
	(vi) Principals' Seminar Sanghatan, 4th to 10th June, 1977	Director and Resource Person
(2) Dr. J. J. Gajjar	Curriculum Enrichment for Science Method Masters, Bhopal, 20th November, 1977 to 5th December, 1977	Participant

5. Department of Extension Services

During the year, the Department provided guidance by organizing conferences for the solution of problems emerging from the new pattern of education.

(1) One-day Seminar on 'New Pattern of Education (10 + 2 + 3) Emerging Problems' inaugurated by Shri Navalbhai Shah, Education Minister, Gujarat State, was organized on 12-5-1977. In the Seminar, problems of New Pattern of Education were discussed with about 70 Principals of the Secondary Schools of Gujarat.

(2) The Department organised Seminars, Workshops and Orientation Programmes on the following subjects :

Sr. No.	Subject of Seminar/Workshop/Orientation Programmes	Date	Place	No. of participants
1	2	3	4	5
(i)	Preparation of Assignment in Science, Mathematics and Social Studies	11- 5-77 to 14 -5-77	Extension Services Department, Baroda	40
(ii)	English Training Course for Primary School Teachers	1- 5-77 to 15- 6-77	Extension Services Department, Baroda	148
(iii)	Better Teaching and Better Testing	13- 6-77 to 14- 6-77	Refinery School, Baroda	35
(iv)	Training Programme for the Primary Teachers of Central Schools, Ahmedabad Region.	27- 6-77 to 3- 7-77	Central School, Harni, Baroda	40
(v)	Unit Planning and Unit Testing	6- 8-77 to 8- 8-77	Jeevan Chetana High School, Baroda	10
(vi)	Unit Planning and Unit Testing	1- 7-77 to 4- 7-77	Central School, Baroda	25
(vii)	Preparation of Remedial Assignments in Commercial Arithmetic, Mathematics, Science, and Human Science	10-12-77 to 12-12-77	Kisan High School, Lunawada	150 115 (Principals)
(viii)	Commercial Arithmetic	26-12-77 to 29-12-77	Extension Services Department, Baroda	110
(ix)	English	30-12-77 to 2- 1-78	Extension Services Department, Baroda	120
(x)	Social Reconstruction	3- 1-78 to 6- 1-78	Extension Services Department, Baroda	125
(xi)	Preparation of Teaching Material Science, Human Science Social Reconstruction, Mathematics, and Commercial Arithmetic	21- 1-78 to 23- 1-78	Smt. Maniben Patel Girls High School, Chhota Udepur	225

Sr. No.	Subject of Seminar/Workshop/Orientation Programmes	Date	Place	No. of participants
1	2	3	4	5
(xii)	Preparation of Assignments and Tests Materials, Mathematics, Commercial Arithmetic, Science and Human Science	3- 2-78 to 5- 2-78	M. G. Girls High School, Udwada	100
(xiii)	Restructuring the programmes of Teachers' Training Colleges. How far can Training College help the Schools?	19- 3-78	Extension School	50
(xiv)	Reading Programme for Teacher Educators of Gujarat Secondary Teachers Training Colleges	30- 3-78	Extension School	25

(3) Dr. D. R. Darji, Co-ordinator, Extension Services Department gave a lecture on "Curriculum Planning" in M. B. Patel College of Education, Vallabh Vidyanagar, on 27th December, 1977 and a lecture on "Educational Climate" in Female Primary Teachers' Training College, Udwada on 4th February, 1978.

(4) Dr. D. R. Darji attended a meeting for "Educational Management" at the M. B. Patel College of Education, Vallabh Vidyanagar on 9th January, 1978 and Seminar on "Educational Management" organised by NCERT in SIE Ahmedabad from 10th to 12th January, 1978 and 27th March, 1978.

(5) The Extension Services Department published a brochure on "New Pattern of Education (10 + 2 + 3) Emerging Problems".

(6) The following research projects were completed by the Department :

(i) Growth and Development of Teaching of History in the Secondary Schools of Gujarat State since Independence

(ii) Growth and Development of Teaching of Geography in the Secondary Schools of Gujarat since Independence

(iii) Growth and Development of Teaching of English in the Secondary Schools of Gujarat since Independence

(7) The Extension Services Department loaned 28 filmstrips to schools of Baroda, Sehra (Panchmahal District), Padra (Baroda District) and Sagol (Broach District).

CHAPTER X (B)—UNIVERSITY EXPERIMENTAL SCHOOL

1. Courses of Study

The school follows the syllabus and the courses prescribed by the Department of Education, Government of Gujarat and the Secondary and Higher Secondary Education Boards of the Gujarat State.

2. Number of Students

	Boys	Girls	Total
(1) Primary I to VII	190	130	320
(2) Secondary VIII to X	94	67	161
(3) Higher Secondary XI and XII	168	115	283
Total	452	312	764

3. Staff

	Post-graduate Trained Teacher	Graduate Trained Teacher	Others	Total
(1) Primary	1	1	4	6
(2) Secondary	6	2	—	8
(3) Special Teachers	1	2	2	5
(4) Office Staff : 1 Senior Clerk, 2 Junior Clerks and 1 Laboratory Assistant.				
(5) Class IV Employees : 3 for Secondary Section and 4 for Primary Section.				

4. Professional Growth of the Staff

Participation in Workshop/Seminars/Inservice Programmes :

Name of the Teacher	Programme	Capacity in which participated
(1) Shri M. M. Amin	(i) Seminar on Evaluation of Scientific Experiments, August, 1977	Participant
	(ii) Workshop for setting question paper in Biology at Higher Secondary Examination, at Ahmedabad in October, 1977	Participant
	(iii) Commercial Arithmetic Oriental Classes for School Teachers at Baroda in January, 1978	Resource Person

Name of the Teacher	Programme,	Capacity in which participated
	(iv) Workshop on setting Objective Questions in Human Science at Baroda in November, 1977	Participant
	(v) Orientation Classes for Science Teachers of Panchmahal District in November, 1977	Resource Person
	(vi) Seminar on Human Science at Chhota-Udepur in January, 1978	Resource Person
	(vii) Workshop at Udawada in February, 1978	Resource Person
(2) Shri J. M. Khatri	Commercial Arithmetic Oriental Classes for Teachers at Baroda in January, 1978	Resource Person
(3) Dr. M. M. Chokshi, Shri M. M. Amin and Kumari S. Desai	Seminar on Vocational Guidance at Baroda	Participants
(4) Shri D. S. Doshi	Pre-historical and Historical Workshop at Baroda on 11th February, 1978	Participant

5. Experiments and Activities

Class	Project	Subject
(1) IX	Comparative Study of Bharat and Australia	Social Studies
(2) IX	Comparative Study of Bharat, Newzealand and Africa	Social Studies
(3) VI	Mineral Wealth	Social Studies
(4) VII	Models of Eskimo and Projects on different countries	Social Studies
(5) VIII	Models of Pyramids and Mummy	Social Studies

Pupils of Std. VII kept a stall in Science at the Children's Fair' held in Sayaji Garden at Baroda.

6. Result of Examinations

- (1) The result of the New S.S.C. Examination held in March, 1977 was 90%. The following students stood 4th and 5th respectively at Mandvi Centre, Vadodara.

- (i) Yogesh Nathdwarwala 552 marks 78.86%
(ii) Rajiv Kanetkar 548 marks 78.29%
- (2) Minaxi Gandhi stood fourth in Gujarat and first in Vadodara Centre in the New S.S.C. Examination held in October, 1977.
- (3) Paresh Shah and Biren Parikh of Std. VII stood First and Second respectively in Gujarat in the High School Scholarship Examination held in February, 1978.
- (4) The pupils of the school appeared at the following external examinations :

Examination	Appeared	Passed	Percentage Passing
(i) Elementary Drawing	27	27	100%
(ii) Shishta Vachan	100	100	100%
(iii) Sanskrit Balbodh	3	3	100%
(iv) Sanskrit Pravesh	4	4	100%
(v) General Knowledge Test held by U.N.O.	127	86	67.7%
(vi) U.N.O. Test	232	159	68.9%
(vii) Middle School Scholarship	15	12	80%

7. Awards and Prizes

(1) Awards in Sports :

Name	Prize	Competition
(i) Parul Kothari (Std. V)	First	Swimming competition organised by the Municipal Corporation
(ii) Gaurang V. Bhatt (Std. VI)	Second	
(iii) 89 pupils of the School	Stars	National Physical Fitness Test

Sports Day of the school was celebrated at Union Pavilion on 4th March, 1978, Rahul Patel of Std. IX and Shruti A. Bhatt of Std. VIII won the Championships amongst boys and girls respectively.

(2) Awards in Debate and Essay Competitions :

- (i) Alkesh Amin (Std. VIII) and Rupen Mehta (Std. VIII) stood Second in the Elocution Competition organised by Udyognagar Debating Society, Baroda.
- (ii) Shruti V. Shah of Std. XII won the Second prize in the Essay Competition on "The Glimpses of the Jain Ramayan."

- (iii) Rajkumari Brahmhatt of Std. XII Science won the First prize and Mahesh Mistri of Std. XII Science won the Second prize in the Essay competition organised by Nehru Balsangh. 12 merit certificates were also awarded to the pupils.
- (iv) Ranjana Upadhyaya of Std. XII Arts won the Second prize in the Essay competition organised by National Integrity Programme.
- (v) The school won the Second prize in Sanskar Quiz contest organised by Friends Society.
- (vi) Shruti V. Shah of Std. XII Science and Nayana Pathak of Std. X won the First Prize (Hindi) in the Extempors Essay Competition in Gujarati and Hindi respectively, organised by the Innerwheel Club, Jawaharnagar.

(3) *Awards in Fine Arts :*

- (i) Rashmi Shah (Std. X) was awarded a medal and a merit certificate in the Third International Child Art Competition organised in Belgium.
- (ii) Forty eight pupils of the school got prizes in the extempore drawing competition organised by the Baroda Municipal Corporation in December, 1976.

8. **Visitors**

Sr.No.	Name	Subject of the talk
(1)	Shri Ganibhai Dahiwala	Poems and Ghazals
(2)	Smt. Jayaben Patel, Principal of Alembic Vidyalaya	System of Education in European Countries
(3)	Nivedita Trivedi, former student of the school	Western System of Education
(4)	Shri Baba Prithvisinh Azad	His own experiences in Jail and the Vigour of Youth

9. **Other Events**

- (1) The staff and the pupils of the school contributed Rs. 1,051/- and collected 400 pairs of clothes for Andhra Relief Fund.
- (2) The school won the first prize of Rs. 1,000/- in the competition of growing trees, conducted by Shri Lalitchandra Maganbhai Patel.
- (3) The pupils of the school contributed Rs. 300/- to 'Sainik Fund'.

CHAPTER XI—FACULTY OF COMMERCE

1. **Course of Studies**

The courses of studies remained the same as in the previous year.

2. **Number of Students**

The Class-wise distribution of students during the year 1977-78 was as under :

Class	Men Students	Women Students	Total
(1) Under-graduate Diploma in Co-operation	28	3	31
Total	28	3	31
(2) F.Y.B.Com.	656	429	1085
(3) S.Y.B.Com.	494	299	793
(4) T.Y.B.Com.	501	246	747
Total	1651	974	2625
(5) Post-graduate Diploma in Banking	25	30	55
(6) Post-graduate Diploma in Co-operation	13	5	18
Total	38	35	73
(7) M.Com. Part I	171	43	214
(8) M.Com. Part II	110	15	125
Total	281	58	339
(9) Ph.D.	6	—	6
Grand Total	2004	1070	3074

3. **Staff**

(a) *Present Position :*

The Staff of the Faculty consisted of 4 Professors, 9 Readers, 22 Lecturers, 4 Teaching Assistants, 2 Part-time Lecturers, 11 Class III and 21 Class IV employees as on 31st March, 1978. The Departments of Law and Mathematics made arrangements for teaching of the subjects of Mercantile Law and Mathe-

matics respectively. Some members of the staff of this Faculty had teaching assignments in Faculty of Technology and Engineering, Faculty of Law and the Polytechnic.

(b) Teachers appointed to higher positions :

- (i) Dr. M. D. Sharma as Professor of Banking
 (ii) Dr. D. S. Pathak as Reader in Business Economics
 (iii) Shri I. P. Vyas as Reader in Commerce
 (iv) Shri C. D. Amin as Reader in Accounts

(c) Teachers who left the University :

(i) Shri Dhaval J. Mehta, Reader in Business Administration and Head, Department of Commerce including Business Administration resigned for going to U.S.A.

4. Professional Growth of the Staff

(a) Publication of Articles/Papers :

Name of the Teacher	Title	Name of the Journal wherein published with month of publication
(1) Dr. K. R. Shah	Education and Economic Growth with reference to India	Gujarat Economic Association Conference Papers, Dohad, October, 1977, (Eds.) D. T. Lakdawala and R. J. Mody
(2) Dr. (Smt.) B. H. Elavia	Agricultural Development in Gujarat: Perspective and Problems	Land Bank Journal (Special Number) Issue No. IV Vol. XV June, 1977

(b) Publication of books and Brouchers :

Name of the Teacher	Title of the Book	Name of the Publisher with month of Publication
(1) Dr. K. R. Shah (Jointly with Prof. D. T.)	Optimum Utilisation of Educational Expenditure in Gujarat (Monograph Series-5)	Sardar Patel Institutet of Economic and Social Research, Ahmeda-

Name of the Teacher	Title of the Book	Name of the Publisher with the month of Publication
Lakdawala)		bad, 1978 distributed by Popular Prakashan, Bombay
(2) Dr. C. S. Rathod	The Textile Workers' Co-operative Bank Ltd.: A case study (Second edition)	The Kaira District Co-op. Union Ltd., Nadiad (Kaira District)

(c) Papers presented at All India Level Seminars, Conference etc. :

Sr. No.	Name of the Teacher	Name, place and date of the Conference/Seminar	Title of the Paper presented
(1)	Dr. K. R. Shah	(i) Workshop on Alternative Educational futures organised by NCERT at New Delhi from 16th to 21st November, 1977 (ii) AIU-ICSSR National Seminar on 'University and College Finances' at New Delhi from 10th to 12th March, 1978	Education and Economic growth with reference to India The Pattern of University Income and Expenditure of the M. S. University of Baroda 1969-70 to 1974-75 (Jointly with Dr. S. Srikantiah)
(2)	Dr. C. S. Rathod	All India Seminar on Banking Education, Training and Research at Baroda from 21st to 24th January, 1978	Training for Co-operative Bankers
(3)	Shri D. R. Shah	National Seminar on Banking Education, Training and Research at Baroda from 21st to 24th January, 1978	Relevance and scope of economics research for effective Banking operations
(4)	Dr. (Smt.) B. H. Elavia	National Seminar on Banking Education, Training and Research at Baroda from 21st to 24th January, 1978	The Training of Land Development Bank

- search at Baroda from 21st to 24th January, 1978
- (5) Shri G. R. Shah (i) National Seminar on Banking Education, Training and Research at Baroda from 21st to 24th January, 1978
- (ii) Accountancy Conference at H.A. College of Commerce at Ahmedabad in November, 1977

Personnel—A profile

Banking Education, Training and Research

Aims of Commerce Education

(d) Talks given at different Universities :

Name of the Teacher	University	Subject of the Lecture
(1) Dr. K. R. Shah	(i) Natversinghji Arts and Science College, Chhotu-udepur, in September, 1977	Theory of Human Capital and Economic Growth
	(ii) Sheth T. C. Kapadia Arts College, Bodeli, in February, 1978	Human Capital and Income Distribution

CHAPTER XII—FACULTY OF MEDICINE

(A) MEDICAL COLLEGE

1. Courses of Studies

The courses of studies remained the same as in the previous year.

2. Number of Students

(1) Degree :	Men	Women	Total
M.B.B.S.			
1st year	119	24	143
2nd year	123	22	145
3rd year	124	30	154
4th year	115	31	146
5th year	156	19	175
Total	637	126	763
(2) Post-graduate Diplomas :			
D.A.	38	10	48
D.C.P.			
D.G.O.			
D.L. & O.			
D.M.R.D.			
D.O.			
D.C.H.			
T.D.D.			
D.V.D.			
Total	38	10	48
(3) Post-graduate Degrees :			
M.D.	47	8	55
M.S.			
M.Sc.			
Ph.D.			
Total	49	8	57
Grand Total	724	144	868

3. Staff

(a) Present Position :

The staff of the College consisted of a Dean, 27 Professors, 4 Associate Professors, 28 Assistant Professors, 40 Tutors, 15 Other Gazetted Staff, 11 Honorary Professors, 6 Honorary Assistant Professors, 5 Part-time Assistant Professors, 1 Part-time Junior Tutors, 2 Full-time Surgeons/Physicians, 103 Class II and 95 Class IV employees.

(b) New Appointments :

(1) Dr. R. D. Parmar	}	Tutors in Anatomy
(2) Dr. S. K. Ojha		
(3) Dr. H. B. Makwana	}	Tutors in Physiology
(4) Dr. D. K. Rathod		
(5) Dr. K. K. Shah	}	Tutors in Pharmacology
(6) Dr. S. C. Hotchandani		
(7) Shri M. P. Patel	}	Tutors in Pathology
(8) Dr. Kum. P. M. Vora		
(9) Dr. B. B. Zanzurkiya	}	Tutors in Microbiology
(10) Dr. Smt. A. Kalra		
(11) Dr. V. P. Desai	}	Tutor in Medicine
(12) Dr. Kum. P. S. Dixit		
(13) Shri V. J. Lakkad	}	Tutor in Surgery
(14) Dr. V. N. Potbhare		
(15) Dr. H. S. Mehta	}	Tutors in Bio-chemistry
(16) Dr. J. M. Chhatrapati		
(17) Dr. R. S. Shah	}	Assistant Professor in Psychiatry
(18) Dr. H. V. Rawal		
(19) Dr. Smt. H. H. Rawal	}	Assistant Professors in Anaesthesia
(20) Dr. Kum. V. B. Sheth		
(21) Dr. V. B. Kalra	}	Assistant Professor in Radiology
(22) Dr. Kum. B. R. Vankani		
(23) Dr. A. B. Vaghela	}	Assistant Professor in Plastic Surgery
(24) Dr. K. C. Shah		
(25) Dr. Kum. H. S. Patel		
(26) Dr. D. R. Patel		
(23) Dr. A. B. Vaghela	}	Tutors in Forensic Medicine
(24) Dr. K. C. Shah		

(c) Teachers Appointed to Higher Position :

(1) Dr. D. C. Vyas	}	Assistant Professors of Anatomy
(2) Dr. Smt. K. V. Bondre		
(3) Dr. Smt. V. Handa	}	Associate Professor of Pathology
(4) Dr. Smt. S. B. Patra		
(5) Dr. D. N. Shah	}	Associate Professor of Microbiology
	}	Associate Professor of Preventive and Social Medicine

(6) Dr. K. J. Pathak	Assistant Professor of Medicine
(7) Dr. Smt. N. B. Kikani	Assistant Professor of Pathology
(8) Dr. D. R. Jhala	Assistant Professor of Pediatrics
(9) Dr. P. T. Acharya	Superintendent, S.S.G. Hospital, Baroda
(10) Dr. K. J. Sheth	Professor of Ophthalmology
(11) Shri N. C. Shah	Assistant Professor of Bio-chemistry
(12) Dr. Kum. H. J. Patel	Assistant Professor of Bio-chemistry

(d) Teachers who Left :

(1) Dr. S. K. Ojha	Tutor in Anatomy
(2) Dr. J. P. Saxena	Professor of Physiology (expired)
(3) Dr. V. V. Kolali	Asstt. Professor of Pathology (transferred)
(4) Dr. V. C. Patel	Tutor in Pathology (transferred)
(5) Dr. D. B. Vyas	Assistant Professor of Preventive and Social Medicine
(6) Dr. A. N. Setalwad	Tutor in Preventive and Social Medicine (transferred)
(7) Dr. H. S. Vaishnav	Assistant Professor of Anaesthesia
(8) Dr. (Kum.) H. H. Adenwala	Assistant Professor of E.N.T.
(9) Dr. (Kum.) V. V. Pawar	Assistant Professor of Anaesthesia
(10) Dr. R. C. Vora	Tutor in Radiology

4. Shri Sayaji General Hospital

The Hospital is a teaching institution attached to the Medical College for imparting clinical instruction to undergraduate and post-graduate students. It has 6 medical, 6 surgical, 3 Obstetrics and Gynaecology, 2 Paediatrics, One Dental, One E.N.T., 3 Orthopaedics, One Anesthesia and One Psychiatric Unit. The students are posted under these Units for their Clinic training. The total bed strength is 924. The average daily in-patient attendance and O.P.D. attendance for the year 1977-78 was 1168.28 and 1635.76 respectively.

5. Professional Growth of the Staff

(a) Publication of Articles/Papers :

Sr. No.	Name of the Teacher	Title of the Articles/Papers	Journal in which Published
(1)	Dr. D. H. Trivedi, Dr. D. N. Shah, Dr. R. D. Kachhiya and Dr. M. N. Rajyagor	Outbreak of unusual type of Toxic Hepatitis in Panchmahal District of Gujarat	Journal of Indian Association or Preventive and Social Medicine, Vol. II, No. 2, October and December, 1977

Sr. No.	Name of the Teacher	Title of the Articles/Papers	Journal in which Published
(2)	Dr. D. N. Shah, Dr. A. N. Niyogi and Dr. D. H. Trivedi	Epidemiological Study of foetal loss in Padra town	Indian Journal of Preventive and Social Medicine, Vol. VIII, June, 1977
(3)	Dr. C. P. Shah and Dr. D. H. Trivedi	General Practitioner's Training	Indian Journal of Preventive and Social Medicine, March, 1977
(4)	Dr. H. C. Srivastava	(i) Development of acinar in the rat submandibular gland	Journal of Anatomy (U.K.), Vol. (2), 123 459-468, April, 1977
		(ii) Development of Classification Centres in the squamous portion of the Occipital bone in Man	Journal of Anatomy, (U.K.) Vol. 124 (3), 643-649 December, 1977
		(iii) Prenatal development of the buffalo (Babalus bubalis) Stomach-3-Early Histogenesis	Indian Journal Anim. Science, 47 (8), 463-469, August, 1977
		(iv) Prenatal Development of Buffalo (Babalus Bubalis) stomach : Gross measurements	Indian Journal of Animal Science, 47 (10), 640-648, October, 1977
(5)	Dr. S. Srinivasan	Effect of a quinarolinour derivative on the metabolism of Streptococcus Feeatis (ATOC 8043)	Indian Journal of Physiology and Pharmacology, Vol. 21, 159, April-June, 1977
(6)	Dr. R. V. Bhatt	(i) Foetal growth in the mid-trimester	Journal of Obst. Gyn. India, 27, 633, October, 1977
		(ii) Our experience with Needlescope for female Sterilisation	Proceedings of the Seventh Asian Congress of Obst. Gyn. at Bangkok, Pages 514-518 November, 1977
		(iii) A comparative study of the Tubal ring applied	Proceedings of the Seventh Asian Congress

Sr. No.	Name of the Teacher	Title of the Articles/Paper	Journal in which Published
		via minila parotomy and raparoscopy in post abortion Cases	of Obst. Gyn. at Bangkok, Pages 361-372 November, 1977
		(iv) Our experience with neat total dose Iron destran (Inferon) in 2000 cases	Journal of Obst. Gyn. India 27 : 821, December, 1977
		(v) Management of failures of midtrimester pregnancy termination	Journal of Obst. Gyn. Indian, 27, 826, December., 1977
(7)	Dr. O. D. Gulati and Dr. N. S. Shah	3H-Mataraminol releasing action of mescaline from rat hypothalamus in <i>Vitro</i>	Eur. J. Pharmac 46, 135-145, 1977
(8)	Dr. N. S. Shah, Dr. O. D. Gulati, Dr. D. A. Powell and Dr. V. Klienburd	Regional localisation of 14 C-mescaline in rabbit brain after intraventricular administration. Effects of Chlorpromazine and ipromiazid pretreatment	Neuro Chem. Res. 2, 265-279, 1977
(9)	Dr. N. S. Shah, Dr. O. D. Gulati, Dr. Kuhn and Dr. P. P. Mathur	Maternal-fetal distribution of methaqualone in Control and SKF-525 A pretreated pregnant mice	Toxicol. Appl. Pharmac 49, 407-09, 1977
(10)	Dr. A. P. Rajani, Dr. D. S. Shah and Dr. O. D. Gulati	A comparative study of the beta-adrenoceptors of guinea pig, rabbit and rat trachea	Arch. int. pharmacodyn. 230, 190-198, 1977
		(b) Papers presented at Seminars (Symposia)/Conferences, etc. :	
(1)	Dr. G. N. Shukla, Dr. P. M. Trivedi, Dr. (Miss) J. P. Mehta and Dr. H. S. Mehta	Annual Conference of Association of Surgeons of India at Madurai, 26th to 30th December, 1977	Obstructive lesions of 2nd, 3rd and 4th part of Duodenum
(2)	Dr. A. B. Thakore	International Conference at Bombay 8th to 12th January, 1978	Participated in discussions

- (3) Dr. P. M. Trivedi UGC Seminar on Education at Institute of Medical Science, Varanasi 11th to 15th March, 1977 Selection of Lectures
- (4) Dr. D. H. Trivedi, Dr. D. N. Shah, Dr. D. B. Vyas and Dr. Y. J. Patel (i) Second National Seminar on Zoonosis in India and their Control, Delhi 16th to 18th June, 1977 Epidemiological aspects of Kalaazar in Gujarat
- (ii) VIIIth Annual Conference of Indian Association of Preventive and Social Medicine, Udaipur 9th to 11th February, 1978 (i) Endemic Goitre along the bank of river Karyan of Broach District
- (ii) Influence of Maternal factors in Pregnancy Outcome
- (5) Shri N. C. Shah 65th Session of the Indian Science Congress at Ahmedabad 3rd to 7th January, 1978 Lung Functions in Textile Workers
- (6) Dr. R. V. Bhatt (i) 7th Asian Congress of Obst. Gyn. at Bangkok, November, 1977 (i) Our experience with Needlescope for female sterilization
- (ii) A comparative study of the tubal ring applied vice minilaparotomy and laparoscopy in post abortion cases
- (ii) All India Congress of Obst. Gyn. at Cuttack, in December, 1977 Evaluation of Mycoazole in cases of fungal infection of the genital tract

- (7) Dr. D. S. Shah (i) IIIrd Gujarat State Conference at Ahmedabad on 4-12-1977 Genital Prolapse in Obstetrics Practice
- (ii) 65th Session of the Indian Science Congress at Ahmedabad, 3rd to 7th January, 1978 Mechanism of Sympathomimetic effects of guanethidine on rat vas deferens
- (8) Dr. O. D. Gulati IIIrd Annual Conference of Clinical Biochemistry of India, Baroda, January 1978 Drugs in Atherosclerosis
- (9) Dr. R. F. Patel All India Surgeon's Conferences at Madurai, December, 1977 —
- (10) Dr. K. M. Shah IVth Gujarat State Surgeons' Conference at Nadiad, November, 1978 —
- (c) Participation in Inservice and Other Programmes :
- (1) Dr. P. M. Trivedi, Dr. A. B. Thakore, Dr. H. S. Mehta, Dr. R. V. Bhatt, Dr. M. N. Hazra, Dr. D. S. Shah, Dr. B. C. Patel, Dr. N. P. Mehta and Dr. R. B. Buch Surgical camps at Jambusar and Nareshwar in December, and February, 1978 Carried out Surgical diagonos and done major and minor operations
- (2) Dr. D. H. Trivedi First ALLMS WHO Fellowship workshop on strengthening of Intergrated teaching of Human Reporduction, Family Planning and Population Dynamics at Hydrabad, 15th to 17th December, 1977 Participant
- (3) Dr. D. N. Shah Integrated Child Development Scheme Field Survey at Chhota Udepur Taluka 27th May to 5th June, 1977 Supervisor and Guide over the Internees and Registrars of the Paediatric Department

(d) Talks at Colleges/Universities :

- (1) Dr. M. N. Hazra Medical Society of Billimora Menstrual Disorders and Obst. and Gyn. Society of Navsari on 19-3-1978

(e) National Assignment :

Dr. C. P. Munshi, Honorary Professor of Medicine and Senate and Syndicate member of the M. S. University of Baroda had the following national assignments to his credit:

- (i) Chairman, Scientific Committee, Gujarat State, 1977-78.
(ii) Chairman, Cocktail Panel Discussion, Gujarat State Medical Association at the Annual Conference, Unjha, 1977-78.
(iii) Co-chairman at the Session of "World Congress on Hypertension" at Bombay, December, 1977.
(iv) Appointed on Editorial Board of Indian Heart Journal, 1977-78.
(v) Inspected Miraj Medical College and Hospital for facilities and M.D. examination on behalf of Medical Council of India.
(vi) Panel Speaker "On Hypertension" at the Annual Conference of Physicians of Gujarat, Nadiad, February, 1978.
(vii) Elected President of Physicians Association of Gujarat for 1977-78.
(viii) Appointed on Editorial Board of Gujarat Medical Association Journal.
(ix) Chief Speaker and Chairman of Panel Discussion at General Practitioner College of I.M.A. conducted by Gujarat State Medical Association at Anand.

(f) Awards :

1. Dr. Dinesh Shah—Lalit B. Mahajan Memorial Gold Medal for the best research article published in Indian Journal of Preventive and Social Medicine, 1977.
2. Dr. S. R. Trivedi—W.H.O. Fellowships for six months.

6. Library

The College has a separate library. The details regarding the average daily attendance of students and teachers in the library and the reading room, and the number of books issued to them are given in the following statement:

Particulars	Number
(1) Average number of students making use of the Library and/or Reading Room daily	380
(2) Average number of teachers making use of the Library and/or Reading Room daily	80
(3) Total number of books issued to students during the year	45,000
(4) Total number of books issued to teachers during the year	4,500

The details regarding the stock and expenditure of the Library :

	Number
(1) Books (including Back Nos. of Journals as on 1-4-1977)	19,232
(2) Books written off during the year	Nil
(3) Books added during the year (including Back Volumes)	850
(4) Books as on 31-3-1978	20,082
(5) Journals subscribed during the year	175
(6) Number of books/periodical, bound	100
(7) Total amount spent for Library and/or Reading Room	Rs. 1,74,929-00

7. Visiting Lecturers

(a) U.G.C. Scheme Exchange of Professors :

Name	Date	Subject
(1) Dr. S. G. Deodhar	4-2-1978	Necrotising Enteritis.
(2) Dr. V. Benjamin	15-3-1978	Community Orientation Programme for Medical Students

(b) Extra Mural Scheme :

(1) Dr. D. R. Bhatt	4-1-1978	Heart, Catheterisation in Children
(2) Dr. Tolia	5-1-1978	Tumours of the Kidney

8. Important Events

- (1) The staff of the Medical College arranged two camps at Jambusar and Nareshwar from 8th to 21st December, 1977 and 14th to 28th February, 1978. They carried out surgical diagnosis and operations including all types of minor and major surgery.
- (2) Staff members of the Medical College participated in peripheral antenatal visit in rural areas.

CHAPTER XII (B)—SHETH UJAMSHI PITAMBARDAS
AYURVEDIC RESEARCH UNIT

1. Function of the Unit

Research in Ayurveda is the sole object of the Unit. The Unit has a Library, a Museum of Indian Medicinal herbs and minerals, a Rash-Shala and an Out-patient-department. Twenty beds are available for Ayurvedic Clinical Research and in-patient treatment in the S.S.G. Hospital, Baroda.

2. Staff

The staff of the Unit consisted of an Honorary Head, an Honorary Modern Physician, a Research Officer, an Assistant Research Officer, a Research Fellow (Modern Medicine), 3 Class III and 4 Class IV employees.

3. Library

Sixty four books were added this year bringing the total number of books to 2595 in the Library.

4. Museum

Fifty groups of available medicinal herbs, each group consisting of 10 drugs according to the Pharmacological Classification of Charak, are arranged and maintained in the museum. Specimens of minerals and other useful medicines are also maintained. A Section on Ayurvedic medicinal preparations is also provided. Work concluded in the Unit is exhibited separately. There are about 1,000 Ayurvedic specimens, 54 herbarium frames, 7 Original Ayurvedic photo frames, 75 specimen jars of fresh herbs preserved in solution and 16 charts and maps. About 300 specimens have been collected for the herbarium and are classified. A relief map of India showing the distribution of important medicinal plants of India is exhibited in the museum.

5. Work done in the Unit

(1) *Rasa Shala* :

Powder of the fruits of *Achryranthus aspera* and *Ficus glomerata* and the powder of internal bark of *Azadirachta indica* are being prepared in the *Rasa-Shala*.

(2) *Research Work* :

In the year 1977-78 research projects were started on (a) Obesity, (b) Cough, (c) Hyperacidity and (d) Eczema..

(a) *Obesity* :

Seeds of *Achryranthus aspera* and honey have been taken up for their anti-obesity effects.

(i) *Achryranthus aspera* : Nineteen patients received treatment. The trial is being continued to include a total of upto 25 patients on an O.P.D. basis.

(ii) *Honey* : Honey is mentioned in Ayurveda in the treatment of obesity. The trial was undertaken on O.P.D. level. Totally 5 patients received the treatment. The work is being continued to include a total of 10 patients.

(b) *Cough Sedative* :

Preliminary trial of *Embalia officinalis* as cough sedative was concluded on O.P.D. level; thereafter for detailed study clinical trial on I.P.D. level was started. Four patients have received treatment in hospital with the drug and work is in progress.

(c) *Hyperacidity* :

Ficus glomerata has been used in 10 patients of hyperacidity in O.P.D. It is now decided that the trial should be carried out in the I.P.D. Two patients have received treatment in hospital.

(d) *Eczema* :

The internal bark of *Azadirachata indica* (neem) and the oil of neem seeds are being used in eczema by local application and orally respectively. Two patients have received the treatment and work is in Progress with the collaboration of Skin and V. D. Department, S.S.G. Hospital, Baroda.

(3) *General Ayurvedic O.P.D.*

During the year 23,100 old cases and 1,948 new cases were registered in the O.P.D. of the Unit.

6. Publication

Author	Title	Journal
(1) Vaidya D. C. Pandya	(i) Pakshit Rasayan	Ayurved Vikas, pages 16-18, June, 1977
	(ii) Kas Rog per Amalaki aur Bhumyamlaki Ka pryayogic adhyayan	Ayurved Vikas, pages 37-39, January, 1978

CHAPTER XIII—FACULTY OF TECHNOLOGY AND ENGINEERING

1. Courses of Studies

The Courses of Studies remained the same as in the previous year.

2. Number of Students

	Men	Women	Total
(i) Diploma	252	—	252
(ii) Degree	2559	132	2691
(iii) Post-graduate Diploma	1	—	1
(iv) Post-Graduate Degree	121	3	124
(v) Ph. D.	27	5	32
Grand Total :	2960	140	3100

3. Staff

(a) Present Position :

During the year the staff of the Faculty consisted of 20 Professors, 39 Readers, 135 Lecturers, 8 Teaching Assistants, 1 Junior Instructor, 6 Visiting Professors, 26 Visiting Lecturers, 2 Pool Officers, 175 Class III and 94 Class IV employees.

(b) New Appointments :

- (1) Dr. M. H. Divekar, Temporary Lecturer in Chemical Engineering
- (2) Shri S. M. Khanna, Lecturer in Chemical Engineering
- (3) Shri J. K. Bhatt, Temporary Lecturer in Textile Chemistry

(c) Teachers who left the University :

- | | |
|---|----------|
| (1) Dr. D. J. Panchal, Reader in Pharmacology | Resigned |
| (2) Dr. D. S. Khanna, Reader in Pharmaceutical Technology | Resigned |
| (3) Shri R. R. Purohit, Lecturer in Applied Mechanics | Resigned |
| (4) Shri George Kurian, Lecturer in Applied Chemistry | Resigned |
| (5) Shri B. N. Parikh, Lecturer in Applied Chemistry | Retired |
| (6) Shri N. R. Saraf, Lecturer in Electrical Engineering | Resigned |
| (7) Shri M. J. Shah, Lecturer in Electrical Engineering | Resigned |
| (8) Shri R. B. Jadia, Lecturer in Mechanical Engineering | Resigned |
| (9) Shri H. J. Shukla, Lecturer in Mechanical Engineering | Resigned |
| (10) Kum. O. P. Sosma, Lecturer in Mechanical Engineering | Resigned |
| (11) Shri C. Ramesh, Lecturer in Mechanical Engineering | Resigned |

4. Professional Growth of the Staff

(a) Publication of Articles/papers :

(i) Articles or papers published :

Sr. No.	Name/s	Title	Name of Journal wherein published with month of publication
(1)	Prof. S. K. Damle and Mr. M. N. Owrya	Reinforced Concrete Tee Beams in Shear	M.S.U. Research Journal, Science Number, Vol. XXV and XXVI, No. 3, January, 1978
(2)	Dr. A. V. Shroff and Dr. P. V. Parikh	An Appraisal of Methods for consolidation co-efficients of clays	M. S. U. Science Number, Vol. XXV and XXVI No. 3, January, 1978
(3)	Shri N. M. Bhatt	Reduce of Pollution Potential of distillary waste	Waste disposal for developing countries HO publication, Netherlands, February, 1977
(4)	Sarvashri N. B. Parmar, R. D. Bhatt and Prof G. B. Sompura	A Case Study for determination of Parking charges	Indian Highways (Indian Road Congress Publication) Vol. 5, No. 2 of 1977
(5)	Sarvashri R. D. Bhatt, N. B. Parmar and Prof. G. B. Sompura	Design considerations for surface parking lots	Indian Highways (Indian Road Congress Publication) Vol. 5, No. 6 of 1977
(6)	Dr. G. C. Kothari	A Computer program for Fast Recoupled load flow solution	Proc. of CIBP (India) Vol.V Power, pp. 105-116, November, 1977
(7)	Shri P. J. Roychowdhury, Dr. V. N. Misra and Dr. V. Seshadri	Effect of Organic reagents on electrode position of Sn-Ni alloys	Trans. of I.I.M. Vol. 30, No. 2, April, 1977
(8)	Shri N. S. S. Murti and Dr. V. Seshadri	Pelletizing of Chromite ore from Karnataka	Trans. of I.I.M. Vol. 30, No. 3, June, 1977
(9)	Dr. V. N. Misra and Shri Satish Misra	High Temperature Materials (in Hindi)	J. of Inst. Engrs. (India) 58, H 12, December 1977

Sr. No.	Name/s	Title	Name of Journal, wherein published with month of publication
(10)	Dr. V. N. Misra	Further studies of sintering characteristics of Mn-ore fines	Trans. of I.I.M. Vol. 30, No. 6, December, 1977
(11)	Sarvashri A. B. Lele, Basu and D. L. Roy	Treatment of Zinc dust for removal of Zinc Oxides	Trans. of SAEST, Vol. 12, No. 3, 1977
(12)	Dr. K. K. Rao, Sarvashri A. M. Mehta and A. R. Gupta	Phosphate uptake and involvement of binding protein in Tween-80 supplemented culture of <i>A. fumigatus</i>	Folia Microbiologica 22, 216, 1977
(13)	Dr. K. K. Rao, Sarvashri A. R. Gupta and U. K. Singh	Effect of Phosphate on Ergot Alkaloid synthesis in <i>A. fumigatus</i>	Folia Microbiologica 22, 415, 1977
(14)	Dr. K. K. Rao and Shri A. R. Gupta	Cell-pool Tryptophan levels during ergot alkaloid formation in <i>A. fumigatus</i>	Indian Journal of Experimental Biology, 15, 588, 1977
(15)	Dr. K. K. Rao, Sarvashri A. M. Mehta and A. R. Gupta	Phosphorous uptake in Tween-80 supplemented culture of <i>A. fumigatus</i>	Indian Journal of Biochemistry and Biophysics, 14, 59, 1977
(16)	Shri A. R. Gupta and Dr. K. K. Rao	Role of Biotin in Ergot alkaloid formation by <i>A. fumigatus</i>	Indian Journal of Biochemistry and Biophysics 14, 84, 1977
(17)	Shri A. R. Gupta and Dr. K. K. Rao	Inhibition of Tryptophan uptake in <i>A. fumigatus</i> by Tryptamine	Experientia 33, 853, 1977
(18)	Dr. Y. K. Agrawal, and Shri V. P. Khare	Thermodynamic metal Ligand stability constants of hydroacids	Bull. Soc. Chim. Belg. 86, 429, 1977
(19)	Dr. Y. K. Agrawal	Determination of Vanadium in Human Blood	Bio-Inorg. Chem. 1978
(20)	Dr. Y. K. Agrawal	Synthesis of N-Arylhydroxamic acids	J. Chem. Engg. Data 22, 70, 1977
(21)	Dr. Y. K. Agrawal	Complexes of Ca(II) Zn(XI), Ni(II) and Mn(II) with N-m-Tolyl-p-methyl benzo-hydroxamic acid	Monts. Chem. 108, 713, 1977

Sr. No.	Name/s	Title	Name of Journal, wherein published with month of publication
(22)	Dr. Y. K. Agrawal and Shri V. P. Khare	Potentiometric Studies on the Complexes of N-p-methyl benzohydroxamic acid with $Mn^{2+} + H_2 +$, Cu^{2+} and, Zn^{2+} ions	Z. Phys. Chem. 258, 337, 1977
(23)	Dr. Y. K. Agrawal and Shri R. K. Dubey	Trace Analysis of Cerium in Phosphorites	Chem. Geol. 20, 93, 1977
(24)	Dr. Y. K. Agrawal	Separation and Gravimetric Determination of Co(III), Le(XII), Pr(III), Na(III), Sm(III) and Cd(III) using N-P-Chlorophenyl-m-nitro-benzohydroxamic acid	Indian J. Chem. 14a, 1024, 1977
(25)	Dr. Y. K. Agrawal	Dissociation constant of P-substituted N-arylhydroxamic acid and applicability of Hammett equation	Ann. Chim. 2, 5 1977
(26)	Dr. Y. K. Agrawal	Studies on Trunk Bark Ficus Ragemosa	Roca, Chemil, 51 1265, 1977
(27)	Dr. Y. K. Agrawal	N-P-Tolyl-2-Furohydroxamic acid as an Analytical Reagent for extraction and Spectrophotometric Determination of Cerium	Chem. Analz., 22, 215, 1977
(28)	Dr. Y. K. Agrawal	Gravimetric Determination of Uranium with N-m-Tolyl-m-nitro benzohydroxamic acid	Sci. Cul., 43, 265, 1977
(29)	Dr. Y. K. Agrawal	N-m-Tolyl-m-Nitrobenzohydroxamic acids Spectrophotometric Reagent for Vanadium (V)	J. Indian Chem. Soc., 54, 454, 1977
(30)	Dr. Y. K. Agrawal	Transition Metal Complexes of N-(6-methylbenzoyl) N-(ethnylhydroxylamine). Their properties and effect of Inner orbital splitting	J. Inorg, Nucl, Chem. 39, 2011, 1977

Sr. No.	Name/s	Title	Name of Journal wherein published with month of publication
(31)	Dr. Y. K. Agrawal	Formation constants of 3-6 transition metals	Bull. Soc. Chim. Belg. 86. 563, 1977
(32)	Dr. Y. K. Agrawal and Dr. K. P. S. Raj	Metal contents of sands Maritima, Metal and Minerals Rev.	"
(33)	Shri S. A. Patel and Dr. Y. K. Agrawal	Rapid Solvent Extraction of Microgram Quantity of Vanadium (V) with N-p-Tolyl-2.4, dimethoxybenzo-hydroxamic acid	Microchimics Acta, 1978
(34)	Shri R. Roshanis and Dr. Y. K. Agrawal	Synthesis of N-Aryl-hydroxamic acid	J. Chem. Engg., 1978
(35)	Dr. K. P. S. Raj and Shri K. N. Patel	Onion: the Vegetable drug	Indian Drugs, April, 1977
(36)	Dr. K. P. S. Raj and Shri P. N. Patel	Antivenom drugs of Indian Indigenous system of Medicine	A. Y. U., January, 1978
(37)	Dr. K. P. S. Raj	Effect of degree of desiccation on the revival pattern of barley seedlings	Food, Farming and Agriculture, August, 1977
(38)	Dr. K. P. S. Raj, Sarvashri M. R. Patel and A. S. Mann	Study of Amino acids and starch content of Rhizomes of Ruppia rostellata	Food, Farming and Agriculture, July, 1977
(39)	Dr. K. P. S. Raj Sarvashri K. I. Joshi and M. B. Patel	Source observations on the injury induced rooting in the bulbs of Allium Cepa	Food, Farming and Agriculture, June, 1977
(40)	Sarvashri R. Balaraman, S. H. Parikh and G. F. Shah	Effect of Chloroquine on the sleeping time and Anticonvulsive effect produced by Methaqualone	Indian Journal of Pharmacy, March, 1978

Sr. No.	Name/s	Title	Name of Journal wherein published with month of publication
(41)	Dr. R. V. Joshi and Dr. T. R. Joshi	Effect of TI-Concentration on the Thermoluminescence of Deformed NaCl-TI Phosphors	Z. Naturforsch April, 1977
(42)	Dr. R. V. Joshi and Dr. L. H. H. Prasad	The Luminescence of heavily doped KCl. TI Phosphor	Journal of Luminescence June, 1977
(43)	Prof. A. M. Talati	General Survey Ion Exchange	Indian Chem. Mani of 1977, 11 (Supp), 1-4
(44)	Dr. R. A. Vora	Thermotropic Liquid Crystals-I	J. Mol. Cryst. Liq. Cryst. 44 (1-2), 83-89, 1978
(45)	Shri R. P. Gupta	(i) Removal of Stains from Textile Fabrics (ii) In what way can we make best use of our Universities to make Technologists better practically trained for immediate use in Textile Industry?	Issue of Textile and Trade Journal, September-October, 1977 Issue of Textile and Trade Journal, February-March, 1978

(b) Papers presented at All Indian Level Seminar, Conference, etc.

Sr. No.	Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the Paper presented
(1)	Dr. S. K. Damle	22nd Congress of Indian Society of Theoretical and Applied Mechanics, Surat, 12 to 15 December, 1977	Dynamic responses of Girder Bridges using a Finite Element Approach
(2)	Shri P. N. Sutaria, Prof. P. M. Modi and Prof. O. H. Patel	7th National Conference on Fluid Mechanics and Fluid Power, Baroda, 17th to 19th November, 1977	Effect of Upstream Silting on Co-efficient of Discharge of Overflow Spillway
(3)	Shri J. J. Prajapati	7th National Conference on Fluid Mechanics and Fluid Power, Baroda, 17th to 19th November, 1977	Some Characteristics of Flow through Rockfill Dams

Sr. No.	Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the Paper presented
(4)	Prof. H. V. Bhavnani	Institute of Engineers, Bombay Centre, Maharashtra	Automobile Pollution
(5)	Shri R. D. Bhatt	National Seminar on Technology for Agricultural Development, Chandigarh 9th to 11th April, 1977	Rural Road Construction Technology
(6)	Dr. G. C. Kothari	Forty-sixth Research Session of the CBIP, Trivandrum, 18th November, 1977	A Computer Programme for Dast Decupled load of flow Solution
(7)	Shri R. D. Bhatt	All India Symposium on Safety in Construction, Patna, 25th November, 1977	Safety measures in Ditu-minous Road construction
(8)	Sarvashri R. D. Bhatt, N. B. Parmar and Prof. G. B. Sompura	Seminar on "Environmental Impact on Developmental activities and adoption of suitable Guide lines for Project Control in selected sectors such as Industries, Agriculture Irrigation, Transport, Urbanization etc.", Hyderabad, 19th to 20 December, 1977	Road Traffic Noise
(9)	Dr. V. Seshadri	National Seminar on Resources Engineering at I.I.T., Bombay December, 1977	Outlook for Metal Production in India in 2000 A.D.: An Appraisal
(10)	Dr. V. N. Misra	Annual Technical Meeting of I.I.M. at Madras 14-17, November, 1977	Effect of cold working on anodic dissolution of mild steel at higher current densities
(11)	Shri S. K. Agrawal and Dr. V. S. Seshadri	Annual Technical Meeting of I. I. M. Madras, 14th to 17th November, 1977	Effect of Bentonite costing thickness on the properties of Foundry sand, bentonite moulding mixture
(12)	Shri S. K. Agrawal and Dr. V. S. Seshadri	National Seminar on Metals and Materials in electrical industries, Baroda 23-25 February, 1978	Welding of Copper to Aluminium for application in Electrical industries

Sr. No.	Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the Paper presented
(13)	Shri P. J. Roychowdhary and Dr. V. Seshadri	International Conference on Metal Sciences at Varanasi November, 1977	Dissolution of Steels in Molten Zinc
(14)	Dr. K. K. Rao	46th Annual Conference of Society of Biological Chemists held at Madras, 22-27 September, 1977	Characteristics of Tryptophan up-take in alkaloid producing culture of <i>A. fumigatus</i>
(15)	Prof. R. V. Joshi	International Conference on Defects in Solids, GATLINE-ERING, Tennessee, U.S.A., October, 1977	Luminescent Centres in Thallium-doped Alkali Halies
(16)	Dr. J. R. Pandya	National Conference on Crystallography, S. P. University, V. V. Nagar, February, 1978	(i) Indentation induced plastic deformation of natural and synthetic Barite crystals (ii) Chemical and thermal etching of cleavage faces of calcite (iii) Reactivity of cleavage faces of calcite (iv) Thermal etching of single crystals of KBr. (v) Influence of electric field on chemical etching of calcite cleavage surfaces
(17)	Prof. A. M. Talati	Seminar on ionexchange resins and their industrial applications at Baroda, June, 1977	General Survey: Ion-Exchange
(18)	Dr. N. H. Shah	(i) Ion-Exchange-Symposium, 23rd to 25 February, 1978 (ii) Central Salt and Marine Chemicals Research Institute, Bhavnagar	Gossypol based Ion Exchange Resins Synthesis and evaluation of Bisphenol — A Ion-Exchange Resins

(c) Talks Given at different Universities

Sr. No.	Name of the Teacher	University/Institution	Subject of Lecture
(1)	Dr. S. K. Damle	(i) P.W.D. staff Training College, E.R.I., Baroda	Bridge Bearings
		(ii) Winter School in Concrete Technology, L. D. College of Engineering, Ahmedabad, 3rd November, 1977	(i) Curing of concrete (ii) Non-destructive Tests on concrete
		(iii) Winter school in Optimization of Water Resources, Baroda, December 1977	Numerical Methods in Water Resources
		(iv) Institution of Engineers, Baroda Sub-Centre and Computer Society of India, Baroda Chapter, 10th October, 1977	Society, Science and Technology
(2)	Dr. P. V. Parikh	(i) Summer School at L.D. Engineering College, Ahmedabad.	Modern Foundation Technique
		(ii) Symposium on 'Grouting' Gujarat P.W.D., Gandhinagar	A Critical Appraisal of Grouting Materials and Processes
(3)	Dr. V. S. Thattey	L. D. College of Engineering, Ahmedabad	Mixing Transportation and Placing of Concrete
(4)	Prof. P. M. Modi	Staff Training College, Gujarat State, P.W.D., Gandhinagar	Silt Control at Irrigation Head Works and a canal system
(5)	Shri N. C. Shah	Staff Training College, Gujarat State, P.W.D., Gandhinagar	Uniform & Non-uniform flow in open channels
(6)	Shri N. M. Bhatt	(i) I.P.C.L. Jawaharanagar, Dist.: Baroda	Phosphates in Water and water waste
		(ii) I.P.C.L. Jawaharanagar, Dist: Baroda	Nitrogen and its compounds in water and waste water

Sr. No.	Name of the Teacher	University/Institution	Subject of Lecture
		(iii) Gujarat Water Pollution Control Board, Ahmedabad	Bacteria in Water
		(iv) G.W.P.C. Board, Ahmedabad	Bacteriological examination of Water
(7)	Prof. H. V. Bhavnani	(i) Gujarat Water & Pollution Control Board, Ahmedabad	Unit process in waste water treatment
		(ii) Institute of Engineers, Bombay	Air Pollution Control by Fabric filtration
(8)	Shri A. N. Shah	Medical College, Preventive & Social Medicine Dept., Baroda	Sewage Treatment
(9)	Dr. G. C. Kothari	Indian Institute of Science, Bangalore	Stability of large power system QIP Power System Dynamics and Control
(10)	Dr. V. S. Seshadri	Short Term Course on 'Welding Metallurgy' organised by the Department of Metallurgical Engg., M. S. University, December, 1977	Physical Metallurgy of Metals: Role of Gases in Metals
(11)	Dr. V. N. Misra	Department of Metallurgical Engg. M. R. College of Engineering, Japiur, April, 1977	(i) Recent understanding in the theory of Iron oxide reduction (ii) Agglomeration of Manganese Ores for Ferro-manganese
(12)	Shri S. K. Agrawal	Short Term Course on, "Welding Metallurgy" organised by the Department of Metallurgical Engg., M. S. University, December, 1977	Metallurgical Changes during Welding, Weldability of Stainless Steel and heat resistant steels
(13)	Shri R. R. Vishwakarma	Short Term Course on, "Welding Metallurgy" organised by the Department of Metallurgical Engg. M. S. University, December, 1977	Physical Metallurgy of Metals
(14)	Prof. Dipak De	Calcutta University	Modern Trend in conversion of Yarn into Fabric

(d) Participation in inservice programme

Sr. No.	Name of the Teacher	Programme, Place and Date	Capacity in which participated
(1)	Shri D. M. Shah	Summer School on Traffic studies and Analysis at Bangalore University from 27th June to 21st July, 1977	Participant
(2)	Shri N. B. Parmar	Winter School on "Building Science and Technology" at Indian Institute of Technology, New Delhi, November-December, 1977	—do—
(3)	Sarvashri P. D. Vyas, D. T. Shete, S. P. Shah, H. T. Geetanath, G. N. Shah and A. D. Joshi	Winter School on preparation of Hydrologic data for optimization of water resources systems at Faculty of Technology and Engineering, Baroda from 27th November to 16th December, 1977	Participants
(4)	Shri S. C. Khurana	Summer School on Metal casting Technology under O.I.P. or I.I.T. Kharagpur from 23rd May to 18th June, 1977	Participant
(5)	Shri A. B. Lele	Short Term course on surface coatings and Engineering Laminates under QIP, Bombay from 23rd May to 7th June, 1977	—do—
(6)	Shri D. K. Basa	Short Term course on Foundry Technology under G.I.P. at Indian Institute of Science, Bangalore from 30th May to 12th June, 1977	—do—

Sr. No.	Name of the Teacher	Programme, Place and Date	Capacity in which participated
(7)	Sarvashri R. R. Vishwakarma and P. J. Roychowdhary	Summer School on Technology of Metallurgical Furnaces sponsored by ISTERE College, Rourkela from 6th June to 2nd July, 1977	Participants
(8)	Shri N. M. Shah	Hindustan Tractors, Baroda for 12 weeks	—do—
(9)	Prof. R. V. Joshi	Conference on Materials Science Education at I.I.T. Kanpur on 1st March, 1976	—do—
(10)	Shri A. P. Nerurkar	Modern Techniques in X-ray applied to problems in Physics and Engineering at I.I.T. Kharagpur	Trainee
(11)	Dr. T. R. Joshi	Application of Thermo luminescence in Dosimetry at Bhabha Atomic Research Centre at Trombay, Bombay from 8th August to 7th November, 1977	Trainee

5. Training and Placement Activities*(1) Practical Training :*

185 students were deputed for practical training during summer vacation for a period of approximately six weeks at industrial establishments around Baroda and elsewhere in the country. More than hundred and twenty-five Industries offered training facilities to our students.

*(2) Employment Opportunities**(a) Campus Interviews :*

Representatives of some well established companies visited the campus for conducting campus interviews/tests of final year students interested in employment. In all, 9 companies visited the Faculty and conducted interviews of 237 students, spread over 15 days.

(b) Advertisements from 121 companies/organization/laboratories in respect of their requirement of personnel were received. The bio-data of students interested in the Jobs were sent to the companies through this Office.

(c) The Indian Navy carried out their preliminary selection of Engineers for entry into Indian Navy under their University entry scheme. Out of 13 students who qualified and appeared for interviews 6 students were considered for recommendation to the Services Selection Board.

(3) Co-operative Course leading to B.Tech. Degree in Mechanical and Electrical Branches.

The above courses continued during the year and 3 students of mechanical and 3 of electrical branch completed the five and half years' sandwich pattern course in November/December, 1977.

During the year, the course structure was modified suitably so that the students would graduate in June-July instead of November-December of the year concerned. Now the students under this course will graduate almost at the same time as the regular Five Year Degree Course students and will yet have practically a one year industrial experience.

(4) *Guidance:*

Students availed themselves of this facility and discussed their employment/training and related problems.

6. Faculty Union Activities

(i) The students of this Faculty secured highest number of points in the Culture Festival-UNIFES-1978—of the M. S. University Union.

(ii) The Technology Faculty won prizes in Group Song, One Act Play, Light Vocal Music, General Knowledge Quiz and 'Just a Minute' Competitions.

(iii) A small contingent of nine was sent to participate in 'Mood Indigo 78 All India Cultural Festival' at I.I.T., Bombay. The contingent won prizes in Poster, Painting and Essay Competitions.

(iv) The students won first and second prizes in 7 debate competitions in English, Marathi, Gujarati and Hindi.

(v) The Students' Chapter arranged seminars, lectures, essay and debate competitions, film shows, etc.

(vi) During the year the Faculty screened 47 films on subjects of educational interest.

7. Library

The reading room of the Library has a sitting accommodation for 130 readers. Books for reference are issued between 8.00 a.m. and 10.00 p.m. on all working days and also on Sundays and Holidays. Books are issued for reading at home between 11.00 a.m. and 5.15 p.m. on all working days and between 11.00 a.m. and 2.45 p.m. on Saturdays.

The details regarding the Library and/or the reading room are given below :

<i>Sr. No.</i>	<i>Particulars</i>	<i>Number</i>
(1)	Average No. of students making use of Library and/or reading room daily	975
(2)	Average No. of teachers making use of Library and/or reading room daily	215
(3)	Total No. of books issued to students per day	215
(4)	Total No. of books issued to teachers during the year	3000

The stock and the expenditure on the library and/or reading room are given below :

<i>Sr. No.</i>	<i>Particulars</i>	<i>Number</i>		<i>Cost in Rs.</i>
		<i>Books</i>	<i>Bound-Periodicals</i>	
(1)	Books including back numbers of Journals as on 1. 4. 1977	49,563	7,172	23,34,286
(2)	Books written off during the year	50	—	972
(3)	Books added during the year upto 31. 3. 1978	2638	466	3,58,975
(4)	Books as on 31-3-1978	52151	7618	26,92,289
(5)	Journals subscribed during the year	200	—	—
(6)	Total amount spent for library and/or reading room till the end of the year	—	—	26,92,289

8. Institute Consultancy Project

The following projects were undertaken as Institute Consultancy Projects:

- (1) Planning of Rajasthan Electricity System for the year upto 1981-82, a project sponsored by Rajasthan State Electricity Board.
- (2) 'System studies for the Punjab Electricity System', a project sponsored by the Punjab State Electricity Board.

9. Textile and Allied Industries Research Organisation

(1) *Tairo WEB Super Stripper :*

(a) Three units were rectified with new type of feedstals and were supplied to the concerned units.

(b) Design has been made for 4" diameter Stripper Roller and the work is under progress.

(2) *10" Side Tairo Miniature Card :*

As reported last year one 10" Miniature Card was fitted and the complete machine was supplied to a Polyester Fibre manufacturing Company. The machine is working satisfactorily. One more Miniature Card was also manufactured for Indo-Gujarati-77 Exhibition held in Ahmedabad. This Card is identical to the one supplied to the Polyester Fibre Manufacturing Unit.

(3) *Tairo Open-End Spinning Machine :*

One more unit for Indo-Gujarati-77 Exhibition held in Ahmedabad was manufactured at TAIRO. This Open-End Spinning Machine is similar to the one which is supplied to the Technical Institute in the South.

(4) *The following instruments were re-designed and made ready for exhibition at Indo-Gurjary-77 at Ahmedabad :*

(i) Hand Operated Strength and Elongation Test, (ii) Shade-O-Meter, (iii) Yellowness Tester, (iv) Grease and Stiffness Tester and (v) Water Repellency Tester.

(5) *Improvements in the Double Roller Ginning Machine :*

One Ginning Factory Owner approached TAIRO to improve the design of the double Roller Gin as they were facing certain problems. TAIRO took up the development work and installed one 2 Roller Ginning Machine and carried out all necessary improvements and innovations.

10. Important Events

(1) The Department of Pharmacy shifted to its new building in June, 1977. The first batch of students of the Pharmacy Department graduated in June, 1977.

(2) The Faculty has taken measures to implement Examination Reforms viz. continuous assesment of students by internal teachers progressively from first year degree and diploma examinations.

(3) The Faculty organised the following :

(i) A Seminar on ' Ion Exchange and their industrial application ' under the auspices of Indian Institute of Chemical Engineers, Baroda Sub-Centre from 27th to 28th June 1977.

(ii) A Workshop on ' Fast Decoupled Load Flow Programee ' from 4th to 19th July, 1977 in the Electrical Engineering Department. As many as fifteen Officers from Regional and State Electricity Board attended the workshop.

(iii) A Question Bank Workshop in collaboration with the Association of Indian Universities, New Delhi, was conducted at the Faculty from 24th to 28th October, 1977.

(iv) A Winter School on ' Preparation of Hydrologic Data for optimization of Water Resources Systems ' was conducted in the Civil Engineering Department from 28th November to 17th December, 1977.

CHAPTER XIV—FACULTY OF FINE ARTS

1. Courses of Studies

A new post-graduate degree course of two year duration leading to the degree of M.A. (Museology) was introduced replacing the post-graduate diploma course in Museology. The Certificate Course is discontinued from the year 1977-78. Other courses of studies remained the same as in the previous year.

2. Number of Students

The number of students enrolled in various classes during the year was as under :

Year/Class	Men Students	Women Students	Total
(a) Certificate :			
2nd Year	4	1	5
(b) Diploma :			
1st Year	23	5	28
2nd Year	26	—	26
3rd Year	25	6	31
4th Year	22	—	22
5th Year	20	2	22
Total	116	13	129
(c) Post-Diploma Diploma :			
Junior	12	—	12
Senior	6	3	9
Total	18	3	21
(d) Degree :			
1st Year	45	13	58
2nd Year	16	12	28
3rd Year	8	17	25
4th Year	8	13	21
5th Year	13	8	21
Total	90	63	153

Year/Class	Men Students	Women Students	Total
(e) Post-graduate Diploma :			
Senior (Museology)	3	—	3
(f) M.A. (Museology) :			
Junior	5	4	9
(g) Post-graduate Degree :			
Junior	12	6	18
Senior	17	5	22
Total	29	11	40
(h) Ph.D.	5	2	7
Grand Total	270	97	367

In addition to the above, there were 6 non-collegiate students, Government scholars, Commonwealth scholars and students from overseas.

3. Staff

(a) The staff of the Faculty including the Museology Department consisted of 4 Professors, 4 Readers, 22 Lecturers, 1 Archivist, 1 Taxidermist, 1 Part-time Photographer, 1 Part-time Instructor, 12 Class III and 17 Class IV employees. Professor Somnath Hore was invited as a Visiting Professor for a period of 3 months under the U.G.C. Scheme of Visiting Professors.

(b) (i) Dr. Ratan Parimoo, Reader in History of Art and Aesthetics was appointed Professor of Art History from 2-3-1978.

(ii) Dr. V. H. Bedekar, Reader in Museology was appointed as Professor in Museology from 2-3-1978.

(iii) Professor K. G. Subramanyan has been appointed U.G.C. Fellow to teach at Kalabhavan, Vishvabharati University, Shantiniketan for a period of one year from July, 1977.

4. Professional Growth of the Staff

(a) Published Articles/Books :

Name	Title	Journal/Publisher
(1) Shri Gulam-mohammed Sheikh	(1) Benode Behari Mukherjee	Lalit Kala Contemporary No. 23, April, 1977

Name	Title	Journal/Publisher
(2) Laxma Goud		Catalogue for Indian Participation at Sao Paol, Brazil, 1977
(3) Paintings of Hamza-Namas		Inside-Outside, January-February, 1977
(2) Shri Jyoti Bhatt	A Book on Rangoli	Published by Baroda Municipal Corporation
(3) Professor Ratan Parimoo	Elephanta in the context of evolution and significance of Saiva Sculpture	The Journal of the Oriental Institute, V, XXVI, No. 3, March, 1977
(4) Professor V. H. Bedekar	(1) Original Museum objects: their status as message carriers	Journal of Indian Museums—Vol. XXXII-XXXIII
	(2) A stylistic study of naturalism vis-a-vis the imperial and the popular Mughal Painting	Journal of M. S. University of Baroda, 1977
	(3) So you want good Museum Exhibition	A book published by Faculty of Fine Arts under Museological Series.

(b) Papers presented at Seminar and Conferences :

(1) Shri Gulam Sheikh presented a paper at the seminar on 'Cretive Experience' organised by Jawaharlal Nehru University at Delhi in October, 1977.

(2) Professor Ratan Parimoo organised a U.G.C. sponsored Workshop at Baroda during November, 1977 on the Problems of Teaching and Research in History of Arts in Indian Universities for which he had prepared the working paper as its Director. He also read a paper on "The Problem of Popular Mughal Painting". Professor V. H. Bedekar presented a paper on "Some observation on teaching Art History" and Shri Gulam Sheikh presented a paper on "Some Problems of Studies in Art History" in the above-mentioned workshop. Professor K. G. Subramanyan chaired one of the sessions.

(3) Shri Gulam Sheikh was the convener of Coomaraswamy Centenary Seminar held on 19th and 20th December, 1977 sponsored by the

Department of Culture (Government of India) and the Lalit Kala Akademi, New Delhi. He also presented a paper on 'Coomar-swamy's Rajput Painting'. Professor K. G. Subramanyan chaired one of the sessions.

- (4) Professor Ratan Parimoo presented a paper on "Coomaraswamy as Art Historian" at the above-mentioned Seminar. Shri V. K. Bhatt was deputed by the Faculty to attend the above seminar.
- (5) Professor Bedekar attended a seminar organised by the Museum Association of India, in December, 1977 on "Exhibition as a means of Museum Communication" and participated as the main speaker at the first session and as panel member of the second session.
- (6) Shri R. P. Shah attended the seminar on "Conservation" at New Delhi in the month of February, 1978.
- (7) Professor Ratan Parimoo presented a paper and chaired one session at the Pala-sena Arts Seminar at Department of Ancient Indian History, Calcutta University in March, 1978. He also gave key-note address at the conference of Artists and Critics held at Bangalore by the Karnatak Chitra Kala Parishad in November, 1977.

(c) *Talks given at Universities/Colleges :*

Teacher	University	Subject
(1) Professor Jeram Patel	Lucknow College of Arts	Lecture/Demonstration on Applied Arts

(d) *Participation in Intservice Programme :*

- (1) Professor Jeram Patel was nominated as a member of All India Council of Technical Studies, by the Lalit Kala Academy, Delhi. He was invited as a Jury Member by the Akademi of Fine Arts, Calcutta.
- (2) Professor Ratan Parimoo was invited to be member of the National Selection Committee for National Awards to Master Craftsman by the All India Handicrafts Board.
- (3) Shri Gulam Shaikh served as a member of the Selection and Judging Committee of the annual exhibitions of M.P. Kala Parishad, Jabalpur and Municipal Corporation, Ahmedabad, 1977. He organised an exhibition of Photo-documents on Coomaraswamy's life and work for the Department of Culture and the Lalit Kala Akademi at New Delhi from 17th to 27th December, 1977.

- (4) Shri V. P. Trivedi was appointed member of the Jury, Gujarat Lalit Kala Academy Annual Exhibition.
- (5) Kum. Kumud Patel acted as a judge on the Film Award Committee of the Gujarat State in September, 1977. She was elected member of Lalit Kala Akademy of Gujarat State for 1977 to 1980. She participated at the Puppet-show held at "Darpana" at Ahmedabad in January, 1978.
- (6) Professor V. H. Bedekar was invited to advise the University Museum, Vallabh Vidyanagar for utilization of the U.G.C. grant. He was appointed as Advisor by the Baroda Municipal Corporation for planning a Science Museum at Baroda. He was appointed as a member of the Museum Advisory Committee for the Government Museum and Art Gallery, Chandigarh. He was appointed by C.S.I.R. as a member of the Executive Committee of the Birla Industrial and Technological Museum, Calcutta.
- (7) Shri Jyoti Bhatt organised an exhibition of "Rangoli" with examples of the art from all regions of India, at Baroda under the sponsorship of Baroda Municipal Corporation.

5. *Exhibitions by the Staff Members*

- (1) Professor Jeram Patel, Miss Nasreen Mohamadi and Shri Mahendra Pandya were invited to participate in IVth Triennale of World Art at New Delhi in February, 1978.
- (2) Professor Jeram Patel represented India at the 14th Sao Paulo International Exhibition at Brazil and also visited the same as one of the delegates sponsored by I.C.C.R. and Central Lalit Kala Academy in September-October, 1977. He also participated in Group Shows at New Delhi and Bombay in February and April, 1978.
- (3) Sarvashri F. N. Katpitia, V. C. Shah, V. R. Patel, V. S. Patel and Smt. Jyotsna Bhatt had group show of their work in Bombay.
- (4) Miss Nasreen Mohamedi held a one person show at Bombay.
- (5) Shri Gulam Sheikh participated in Group Exhibition of Art Heritage Gallery, Kumar Gallery and Exhibition of the artists of Gujarat in New Delhi, 1977.
- (6) Shri G. C. Bhatt won a prize in Sculpture in the Gujarat State Lalit Kala Akademi.
- (7) Shri R. R. Kaneria won Third Prize and Bronze Medal of "Nikon" International Photo Contest, 1977 at Tokyo, Japan.

6. Faculty Union Activity

- (1) A study tour to Ajanta and Ellora was organised.
- (2) The following students won prizes :
 - (i) Shri Ramesh Patel —First Prize of Rs. 1,000/- for Painting in Artists, Category at Gujarat State Art Exhibition
 - (ii) Shri Viresh Desai —First prize of Rs. 1,000/- for Graphics in Artists' Category at Gujarat State Art Exhibition
 - (iii) Shri Ramesh Patel —Second Prize for Graphics in Artists' Category at Gujarat State Art Exhibition
 - (iv) Kum. Tara Sabharwal } Prizes in Students' Category at the Gujarat State Annual Art Exhibition
 - (v) Kum. Kakeli Baskakoti }
 - (vi) Kum. Yunus Khimani }
 - (vii) Shri Bhikhabhai Gohil }
 - (viii) Shri Pravin Bhalla } Prizes in Sculpture in Students' Category at the Gujarat State Annual Art Exhibition
 - (ix) Shri Dhruv Mistry }
 - (x) Shri Kirti Patel }
 - (xi) Shri Arvind Gupta }
- (3) Shri Vrindavan Solanki, a final year student of Painting arranged a one man show of his paintings at Bombay.
- (4) The Faculty Students Union staged a play 'Bagi Itihas'.
- (5) The following films were screened at the Faculty :
 - (i) Civilisation, (ii) Tom Phillips, (iii) Greek Architecture and Byzantine Churches and (iv) Japanese Art and Crafts.
- (6) The following exhibitions were arranged at the Faculty :
 - (i) Screen prints and Lithographs by Tom Phillips and William Tillyer
 - (ii) Documentary Exhibition on John Constable
 - (iii) Prints of Somnath Hore — Visiting Professor in Graphic Arts
 - (iv) Graphics of Alamigir
 - (v) Camera Pictorialists of Baroda

7. Library

(a) Books :

The following statement gives the details of the acquisitions of the Library during the year 1977-78 :

	Books (including back numbers of Journals)	Total Value in Rs.
Number at the beginning of the year	6,110	1,20,778-99
Number added during the year	92	8,012-39
Number at the end of the year	6,202	1,28,791-38

(b) Periodicals :

The total number of periodicals and journals subscribed now stands at 11 and the amount spent for this purpose was Rs. 3,056-13 np. The amount spent for binding was Rs. 779-75 np.

(c) Circulation of Books :

The working hours of the Library are from 11-00 a.m. to 5-00 p.m. The statistics of the use of the Library are given below :

- (i) Average number of students making use of the Library per day 140
- (ii) Average number of teachers making use of the Library per day 8
- (iii) Average number of books issued per day for Home Reading 12
- (iv) Average number of books issued per day for reading on pre-mises 367
- (v) Average number of Journals issued per day for reading on pre-mises 98

8. Visitors

- (1) Shri Shivarammurti
- (2) Dr. Niharranjan Ray
- (3) Professor S. K. Saraswati
- (4) Mr. Richard Lenier
- (5) Mr. John Davis
- (6) Shri Navalbhai Shah
- (7) Dr. Grace Morley
- (8) Dr. Wakanker
- (9) Dr. B. N. Goswami
- (10) Professor S. B. Deo

CHAPTER XV—FACULTY OF HOME SCIENCE

1. Courses of Studies

The courses of studies remained the same as in the previous year. The Ph.D. programme of studies was introduced in Home Management.

2. Number of Students

Class	Men	Women	Total
(1) B.Sc. (Home)			
1st Year	—	135	135
2nd Year	—	246	246
3rd Year	—	215	215
4th Year	—	158	158
Total	—	754	754
(2) P.G. Diploma in Dietetics	—	29	29
(3) P.G. Diploma in Pre-school Education	—	20	20
(4) Junior M.Sc. (Home)	—	59	59
(5) Senior M.Sc. (Home)	—	53	53
(6) Ph.D.	1	20	21
Total	1	181	182
Grand Total	1	935	936

3. Staff

(a) Present Position :

The staff of the Faculty including Chetan Balwadi consisted of 3 Professors, 6 Readers, 39 Lecturers, 7 Teaching Assistants, 2 Teachers, 18 Class III and 33 Class IV employees.

(b) New Appointments :

(1) Miss Usha Kiran Masih	} Teaching Assistants in Clothing and Textiles
(2) Miss Reshma Chothia	
(3) Miss Surekha Mallya	} Teaching Assistants in Foods and Nutrition
(4) Miss Harjinder Bhumra	
(5) Mrs. Sushil Saravaiya	
(6) Mrs. Shashi Tuteja	Lecturer in Biology (Temporary)
(7) Mr. G. H. Patel	Teaching Assistant in Chemistry

- (8) Miss Shibani Mukherjee Lecturer in Home Management (Temporary)
 (9) Mrs. Safaya Teaching Assistant in Child Development
 (10) Miss Anita Thomas Teaching Assistant in Home Science Education and Extension

(c) Teachers who left the University :

Sr.No.	Name	Designation	Reason for leaving
(1)	Dr. (Mrs.) Anjali Mehta	Reader in Child Development	Resigned
(2)	Dr. K. V. Thrivikraman	Lecturer in Foods and Nutrition	Resigned
(3)	Mrs. Annama M. Philip	Lecturer in Clothing and Textiles	Resigned

4. Professional Growth of the Staff

(a) Published Articles/Papers :

Name	Title	Name of the Journal wherein published with month of Publication
(1) Dr. (Mrs.) A. Chandra and V. Randhava	Attitudes of married educated women towards temporary life	Indian Journal of Home Science, Vol. II, No. 4, December, 1977
(2) Dr. (Miss) N. Ogale and Vijaya Kulkarni	A Study of Organisation Process used in distribution of household tasks	Indian Journal of Home Science, Vol. II, No. 4, December, 1977
(3) Dr. (Miss) S. Gujral and A. Chaudhary	The essentiality of fecul examination for worm infestation in supplementary feeding programme	The Indian Journal of Nutrition and Dietetics, 14, 341, 1977
(4) Dr. (Miss) S. Gujral, Miss H. Bhumra and H. Swaroop	Effect of Ginger (Zingiber affianate Rosoec) obare-sinon serum and hepatic cholesteral levels in cholesteral fed rats	Nutirtion Report International, 17 (a); 183-190, 1978
(5) Dr. (Miss) S. Gujral	Home Science Education Geared to Indian Conditions	School Science, 15, 19-20, 1977
(6) Dr. (Miss) S. Gujral and N. Rajgor	Changes in protein and lipids in experimental amoebic liver abcess in hamsters	Indian Journal of Parasitology, 1: 159-153, 1977

Name	Title	Name of the Journal wherein published with month of Publication
(7) Sundaresan J. and Dr. T. S. Saraswathi	Relevance of Moral Judgment: Implications to parents and teachers	Social Welfare, 24, 8 November, 1977
(8) Dr. T. S. Saraswathi, J. Sundaresan and K. Saxena	Age, Sex and Social Class differences in the development of moral judgment in Indian Children between 10-15 years	Journal of Home Science 11, 4, 1977
(9) Dr. (Mrs.) Veena Mistry	Children's perceptions of their sex-lined roles	Journal of Vadodara Guidance Association, 1978

(b) Published Books :

Author	Title	Name of the publisher with month of publication
(1) Dr. (Mrs.) A. Chandra	Curriculum Development and Evaluation in Education	Sterling Publishers, New Delhi, 1977

(c) Papers presented at All India Level Seminar, Conference etc. :

Name of the Teacher	Name of the Place and Dates of Conference and Seminars	Title of the paper presented
(1) Dr. (Mrs.) Veena Mistry	Seminar on Education of Teachers for Pre-School Children, ICCW, New Delhi, 6th-8th March, 1978	Content and Methodology in Teacher Education Effective use of environment resources
(2) Mrs. Parul Dave	I.A.P.E. Annual Conference "Home Involvement in Early Childhood Education", Hyderabad, 28th-31st December, 1977	Knowledge content for efficient Mother-Craft
(3) Dr. (Mrs.) Atula Derasari	Indian Science Congress, Ahmedabad, 5th January, 1978	Role of malnutrition on development of intelligence upto 10 years

Name of the Teacher	Name of the Place and Dates of Conference/Seminar	Title of the Paper presented
(4) Miss Jaya Patel	Indian Science Congress, Ahmedabad, 5th January, 1978	An experiment on rural development
(5) Miss Jyoti Parikh	Asian Conference on Mental Retardation, Bangalore, 3rd-7th November, 1977	Recreational Center for the Children in need of special care—An experimental approach
(6) Miss Indira Mallya	Indian Science Congress, Ahmedabad, 5th January, 1978	An experiment in rural participation
(7) Miss Kiran Parekh	I.A.P.E. Annual Conference, Hyderabad, 28th-31st December, 1977	A study determining the effects of learning experiences offered to mothers, on learning abilities of preschool children
(8) Mrs. Prerana Mohite	All Indian Conference on Mental Hygiene, November, 1977	Role of the child development worker in a clinical set up
(9) Dr. (Mrs.) Yogini Pathak	I.A.P.E. Annual Conference, Hyderabad, 29th to 31st December, 1977	A survey of parental attitudes and perceptions with respect to the parent education program of Chetan Balwadi

(d) Talks given at different Universities :

Name of the Teacher	University	Subject of the Lecture
(1) Prof. (Miss) P. S. Chari	U.G.C. National Lectures :	(1) Vocationalisation of
	(i) Agra University, Agra	Home Science Edu-
	(ii) Sagar University, Sagar	cation : Significant
	(iii) Marathwada Agricultural University, Parbhani	Problems and Tasks

Name of the Teacher	University	Subject of the Lecture
	(iv) A. P. Agricultural University, Hyderabad	(2) Potential of Home Science to meet the
	(v) Shri Venkateshwar University, Tirupathi	Developmental Tasks of Indian Society Today
	(vi) Sardar Patel University, Vidyanagar	
		(3) Discovering content in Extension and Home Science Education
		(4) Home Science Education : A Transient Cultural Phenomenon ?
(2) Dr. T. S. Saraswathi	Nirmala Niketan, Bombay University, Bombay	Planning a departmental research program
(3) Miss Jyoti Parikh	B. M. Institute, Ahmedabad	Symposium on Learning Disabilities-the role of the School
(4) Miss K. I. Parekh	N.C.E.R.T., New Delhi	Series of Lectures on Pre-school Education

(e) Participation in Inservice Programme :

Name of the Teacher	Programme, Place and Dates	Capacity in which participated
(1) Dr. T. S. Saraswathi (2) Dr. Veena Mistry (3) Dr. T. S. Saraswathi	I.C.C.W. Seminar, New Delhi	Participants
	Study group meeting of International Association of Child Psychiatry and Allied Profession at Ahmedabad	Participant
(4) Mrs. Parul Dave	Regional Conference of IAPE at New Delhi	Participant
(5) Mrs. P. Mohite and Miss I. Mallya	All India Psychiatric Conference at Baroda	Participants

Name of the Teacher	Programme, Place and Dates	Capacity in which participated
(6) Dr. (Mrs.) A. Derasari, Miss J. Patel and Miss I. Mallya	65th Indian Science Congress at Ahmedabad	Participants
(7) Prof. (Miss) P. S. Chari	65th Indian Science Congress at Ahmedabad	Participant
(8) Miss J. Patel and Miss I. Mallya	Annual Conference of Social Welfare	Participants
(9) Mrs. A. Dave and Mrs. N. Misra	(i) Workshop at Anand on Puppets and Creative Drama (ii) Seminar on Toys at Ahmedabad	Participants
(10) Dr. Veena Mistry (11) Mrs. Parul Dave (12) Dr. Atula Derasari (13) Mrs. Aruna Dave (14) Dr. Yogini Pathak (15) Mrs. Prerana Mohite (16) Mrs. Nirmala Misra (17) Miss Kiran Parekh	Bal Sevika Shibirs organised by Social Welfare Board Gujarat and I.A.P.E., Baroda April-1977 and December, 1977	Resource Persons
(18) Miss Jaya Patel	Bal Sevika Shibirs organised by Social Welfare Board, Gujarat and I.A.P.E., Baroda, April-1977 and December, 1977	Co-ordinator

5. Faculty Union Activities

- (1) The entertainment programme was held on 9th and 10th March, 1978.
- (2) Coaching classes in badminton and table-tennis were organised.
- (3) The Faculty Magazine titled "IMAGE" was published.

6. Visitors

Name and Designation	Dates of the Visit
(1) Mr. Peter Moss, Education Adviser, British Council, Madras	22-7-1977 to 28-7-1977
(2) Mrs. Dorothee Bennet, Leeds University, U.K.	1-8-1977 and 2-8-1977
(3) Mr. Aidan Broderick, First Education Adviser, British Council, Bombay	11-1-1978

CHAPTER XVI—FACULTY OF SOCIAL WORK

1. Courses of Studies

The courses of studies remained the same as in the previous year.

2. Number of Students

The number of students enrolled during the year was as under :

Class		Men	Women	Total	
(1)	Diploma in Industrial Relations and Personnel Management	17	—	17	
(2)	Master of Social Work (M.S.W.);	Juniors	25	21	46
		Seniors	25	19	44
(3)	Ph.D.	—	1	1	
Total		67	41	108	

3. Staff

(a) Present Position :

The staff of the Faculty consisted of 1 Professor, 2 Readers, 7 Lecturers, 1 Temporary Teaching Assistant, 1 Part-time Teacher, 9 Class III and 7 Class IV employees.

(b) Teachers who left the University :

Miss Lalitha Ignatius, temporary Lecturer in Social Work resigned from 10-2-1978.

4. Professional Growth of the Staff

(a) Publication of Articles/Papers :

Sr. No.	Name of the Teacher	Article	Name of the Journal wherein published with month of publication
(1)	Dr. K. M. Sharma	Training of the family planning workers group dynamics orientations	Souvenir Baroda District Family Welfare Trust
(2)	Smt. Rekha Mukerjee	Some observation on teaching of values and ideologies in an Indian School of Social Work	Indian Journal of Social Work, October, 1977
(3)	Smt. Varsha Anjaria	Accidents to children—Causes and Prevention	'Suraksha' published by Gujarat Safety Council, March, 1978

(b) Papers presented at All India Level Seminars, Conferences etc. :

Name of the Teacher	Name, Place and Dates of the Seminars/Conferences	Title of the paper presented
(1) Dr. K. M. Sharma	Madras School of Social Work Silver Jubilee Celebration and Association of Schools of Social Work in India. Seminar on Two Decades of Social Work Education, October 1977 (Note : Paper sent for use and reference in the seminar deliberations)	Training in the field of Social Development on Service Training Approach to revision
(2) Smt. R. Mukerjee	(i) Seminar sponsored by Madras School of Social Work and Association of Schools of Social Work in India on 'Four Decades of Social Work in India' at Madras from 18-23 August, 1978	Four Decades of Development of Social Work in India—A Few Basic Concepts
	(ii) Conference of Indian Society of Criminology, Aligarh, 28-30 December, 1977	Juvenile Delinquency in a Changing Society
(3) Shri A. S. Navale	(i) Seminar on "Rural Construction" at Gujarat University, Ahmedabad	N.S.S. and Village Development Programme
	(ii) Orientation Seminar for N.S.S., Key personnel at National Staff College for Educational Planners and Administrators, New Delhi, 22-25 August, 1977	N.S.S. Programme at M. S. University of Baroda
	(iii) I.C.S.S.R. Regional Seminar for Gujarat and Maharashtra on "Problems of Indian Youth" at Tata Institute of Social Science, Bombay, 28-29 October, 1977	Programme of N.S.S.

(c) Participation in Inservice Programme :

Sr. No.	Name of the Teacher	Programme, Place and Date	Capacity in which participated
(1)	Dr. S. R. Yardi	(i) Seminar on " Four Decades of Professional Social Work in India " sponsored by Association of Schools of Social Work in India at Madras from 19th to 22nd August, 1977	Participant and Sectional Chairman
		(ii) Seminar on " Processes and approaches to social policy formulation and planning with special emphasis on the role of social workers " organised by Asian Regional Association for Social Work Education and International Association of Social Work, New Delhi from 10th to 17th October, 1977	Participant
		(iii) Regional Conference on " Family as a Unit of Welfare in National Plannig " organized by Indian Council of Social Science and Research and the Family Planning Foundation in India, New Delhi from 17th to 21st October, 1977	Participant
		(iv) Workers Education Programme organised by Control Board for Worker's Education on the topic " Worker's Participation in Management " in November, 1977	Speaker
(2)	Dr. K. M. Sharma	Out Bound Programme for School Children Joint Collaboration of Friends Society, Baroda and at Devlali, Maharashtra, September, 1977	Resource Person
(3)	Smt. Rekha Mukerjee	(i) Seminar on Probation organised by District Probation Council, Vadodara on 4th December, 1977	Speaker

Sr. No.	Name of the Teacher	Programme, Place and Dates	Capacity in which participated
		(ii) Seminar on " Effective Institutional Management for Correctional Agencies ", Faculty of Social Work. Vadodara on 20-1-1978	Coordinator, presented a paper on " Training of correctional worker ".
(4)	Smt. Varsha Anjaria	(i) Conference on " Role of Para-Psychiatric Personnel in Mental Health " organised by Indian Psychiatric Society at Baroda on 25-9-1977	Speaker in Panel discussion
		(ii) Seminar on " Group Guidance Workshop for School Teachers " organised by Vadodara Guidance Centre, Baroda on 11-1-1978	Expert
		(iii) Orientation Courses for Probation Officers on " Methods of Social Work Application in Correctional Setting " organised by Director of Social Defence, Gujarat State and National Institute of Social Defence on 6-3-1978	Expert
		(iv) Orientation Courses for Probation Officers on " Non-Institutional Programmes for Prevention of Delinquency " organised by Directorate of Social Defence, Gujarat State and National Institute of Social Defence on 9-3-1978	Expert
(5)	Shri S. B. Saxena	(i) National Session of Indian Council of Social Welfare at Gandhinagar from 20th to 22nd August, 1977	Participant
		(ii) Asian Regional Seminar on " Processes and Approaches to Social Policy Formulation and Planning with Special Emphasis	Participant

Sr. No.	Name of the Teacher	Programme, Place and Date	Capacity in which participated
		on Role of Social Workers at New Delhi from 11th to 16th October, 1977	
	(iii)	Seminar on Comprehensive Labour Legislatives organised by Indian National Institute, Baroda in 1977	Participant
(6)	Shri A. S. Navale	Asian Regional Seminar on "Processes and Approaches to Social Policy Formulation and Planning with Special Emphasis on the Role of Social Sciences" at New Delhi, 11-16 October, 1977	Participant
(7)	Smt. Aruna Khasgiwala	Seminar on "Teaching Disability of School-going Children" at Baroda on 24th April, 1977	Resource Person

5. Library

An amount of Rs. 15,000/- has been allocated to this library from U.G.C. grant for the purchase of books for the Vth Five Year Plan period, out of which Rs. 5,000/- for 1977-78 were fully utilized.

The University sanctioned a grant of Rs. 3,500/- for purchase of books, and Rs. 1,500/- for periodicals.

The following statement gives the details of acquisitions by the library during this year :

	Books including bound periodicals	Pamphlets	Total Value in Rs.
(1) Number at the beginning of the year	9056	2500	1,03,953-91
(2) Number added during the year	220	—	10,692-18
(3) Number of books discarded during the year	—	—	—
Total	9276	2500	1,14,646-09

Periodicals :

The total number of periodicals subscribed by the Library during the year was 24.

Circulation of Books :

The following figures show the statistics of the use of the Library :

(1) Daily average number of readers visiting the library	70
(2) Average number of books issued for home reading	150
(3) Average number of teachers visiting the library	12
(4) Average number of books issued per day for reference	100

6. Visitors

Sr.No.	Name of the Visitors	Date of Visit
(1)	Dr. S. C. Jain, Head of the Community Studies Department, South Gujarat University, Surat	16-12-1977
(2)	Dr. Anil Shah, Advisor, Mental Health, Gujarat Government, Head, Department of Psychiatry, B. J. Medical College and Civil Hospital, Ahmedabad	18-12-1977
(3)	Dr. S. K. Majmudar, Director, Sarla Centre for Professional Education, B. M. Institute, Ahmedabad	18-12-1977
(4)	Professor, J. Phillip, Principal, Management Training Institute, Hindustan Steel Ltd., Ranchi	10- 2-1978
(5)	Professor and Mrs. Henry J. Mever, Professor of Sociology, Social Work and Population Planning, School of Social Work, University of Michigan, Michigan, U.S.A.	10- 2-1978
(6)	Professor S. A. Yelja, Walford Laurier University, Waterloo, Antario, Canada	13- 2-1978

7. Important Events

The Faculty of Social Work participated in the Rural Mental Health Camp at Padra Health Centre organised by the Indian Psychiatric Society (West Zone) during the Annual Conference held at Baroda on 24th and 25th September, 1977. The senior students have made initial contacts and noted down the history of 500 patients who came for diagnostic assessment.

(2) A Panel Discussion (Question-Answer Session) was arranged on 18-12-1977 in the Faculty on 'Community Mental Health Programme and Involvement of Various Professionals'. A group of experts from various disciplines held discussion with students of the Faculty of Social Work, Faculty of Home Science and Faculty of Education and Psychology.

(3) Criminology and Correctional Classes were organised with an interdisciplinary approach. Members of Police administration, legal professions, prison administration, Judicial administration, University departments shared their expertise. Students were also exposed to courtroom situation in administration of criminal law and judicial process.

(4) A Symposium on 'Effective Instrumental Management' was held on 20th January, 1978. Shri Bhailalbai Contractor, Hon. Minister for Industries graced the occasion.

(5) Prof. M. J. Mever, Director of Social Work Education and Population Planning Project, School of Social Work, the University of Michigan, visited the Faculty from 11-2-1978 to 18-2-1978 and discussed Ph.D. Programme with the Research Guidance Committee. He also discussed Social Work Education and Population Planning with the staff. He had four class-room sessions with the students and staff where he discussed (i) Health Benefits of Family Planning, (ii) Utilizing Policy Skills in Population and Family Planning, (iii) The Status of Women and Fertility, and (iv) Community Organization Practices for Family and Population Planning.

(6) Prof. S. A. Yelja, Wilford Laurier University, Waterloo, Antaria, Canada delivered lectures on (i) Welfare State and Unequality in North America and (ii) Community Welfare Policy Development in India, on 13th February, 1978.

(7) The Faculty organised one day seminar on 'New Challenges to Industrial Relations' on 24th March, 1978. Shri N. M. Barot, Hon. Minister for Law, Labour, Town Planning, Town Development and Municipal Corporation, Gujarat State inaugurated the seminar.

(8) During the year the N.S.S. Cell conducted one Orientation Course in which 34 N.S.S. Programme Officers participated. It also extended consultation and guidance services to 33 NSS Units. It helped in planning, conducting and evaluating the orientation camps of student-leaders and programme Officers of different Universities in Gujarat State.

8. Shri V. T. K. Institute of Rural Development, Samiala

The Institute conducted two types of Inservice Training Programme—Social Welfare and Panchayati Raj. The approach of the training is group dynamics for adult learners about defined jobs. The training besides theory, heavily depends upon labouratory work for technical skills, human relations skills, manual work skills and on field training for operational skills. The Social Welfare Training Programmes are financed by the Central Social Welfare Board, Government of India and the Panchayati Raj Training Programmes by the Government of Gujarat.

CHAPTER XVII—FACULTY OF LAW

1. Courses of Studies

The courses of studies remained the same as in the previous year.

2. Number of Students

Class	Men Students	Women Students	Total
(1) Degree Courses :			
(a) 1st Semester of LL.B. Course	650	50	700
(b) 3rd Semester of LL.B. Course	216	18	234
(c) LL.B. (Special)	67	10	77
Total	933	78	1011
(2) Post-graduate Diploma :			
(a) D.T.P.	177	24	201
(b) D.L.P.	113	9	122
Total	290	33	323
(3) Post-graduate Degree :			
(a) LL.M. Part — I	50	5	55
(b) LL.M. Part — II	18	0	18
Total	68	5	73
(4) Ph.D.	1	—	1
Grand Total	1292	116	1408

3. Staff

(a) Present Position :

During the year, the staff consisted of One Professor, 2 Readers, 3 Lecturers, 12 Part-time Professors, 2 Visiting Professors, 5 Class III and 4 Class IV employees.

(b) Teachers who left the University :

Shri N. N. Buch, Reader in Mercantile Law, retired on superannuation.

4. Professional Growth of the Staff

(a) Publication of Articles/Papers :

Name	Article	Journal in which published
(1) Professor H. C. Dholakia	(i) Dynamics of Directive Principles	Journal of the Bar Council of India, October, 1977
	(ii) Law of Contempt in India	Indian Journal of Comparative Law, January, 1978
	(iii) Legal Control of Water Pollution	Volume on "Pollution Control" published by the Indian Law Institute, New Delhi, May, 1977
	(iv) Air Pollution Control	Volume on "Pollution Control" published by the Indian Law Institute, New Delhi, May, 1977
	(v) Social Relevance in Legal Education	Journal of the Sapru Law Institute, Allahabad, December, 1977

(b) Publication of Books :

Author	Book	Publisher
(1) Professor H. C. Dholakia and Shri S. N. Parikh	A Treatise on Constitutional Law of India	University Nirman Gujarat State Granth Board,

(c) Participation in Programmes/Committee :

Name	Programme/Committee	Capacity in which participated
(1) Professor H. C. Dholakia	Editorial Committee on Constitutional Law, constituted by the Bar Council of India under the Chairmanship of Mr. Justice Hidayatullah, former Chief Justice of India	Member

5. Visitors

The following are some of the visitors to the Faculty. They also delivered lectures at the Faculty :

Name	Date	Subject
(1) Principal, A. A. Manji Dean, Faculty of Law, South Gujarat University	1-2-1978	Reforms in Mohamadan Law
(2) Professor Yogesh Mehta, Dean, Faculty of Law, Saurashtra University	3-3-1978 and 4-3-1978	Equity under the Constitution
(3) Professor B. M. Shukla, Director, School of Law, Gujarat University	10-3-1978	Criminology-What makes a Criminal?
(4) Principal M. D. Pancholi, Nanavati Law College, Ahmedabad	16-3-1978	Role of Law in Social Change
(5) Hon'ble Shri Dinesh Shah, Minister for Finance, Gujarat State	18-3-1978	Study of Law

(b) Publication of Articles/Papers :

Sr.No.	Name	Title of the paper	Where Published
1	2	3	4
(1)	Professor A. N. Jani	(1) वडोदरा युनिवर्सिटी क्षेत्रे संस्कृत विषयमां संशोधन प्रवृत्ति	'Svadhya' Vol. 14 No. 4, Janmastami issue, August, 1977
		(2) Contribution of Saibaba in the Spiritual Life of Sri Mota (in Gujarati)	'Sai Smaranika' September, 1977
		(3) शाक्तसम्प्रदायमां त्रिगुणात्मक देवतानी कल्पना	'Svadhya' Vol. 15 No. 1, Dipotsavi issue, November, 1977
		(4) Vivekananada's message	'Souvenir' of Hindu Parishad, January, 1978
		(5) A Tribute to Mother (a poem in Sanskrit)	'Suvarnaprabhata' February, 1978
		(6) महाभद्रोपाध्याय गोपीनाथ कविराज	'अभ'द आन'द'—अप्रिल, १९७७
		(7) सूर्योदय (A drama in Sanskrit)	Samvid, Vol. 14, No. 2, November, 1977
(2)	Shri J. P. Thaker	(1) सस्तनत समयनो गुजराती हिन्दु समाज	'Svadhya' Vol. 14 No. 3, Akshyatrutiya issue, May, 1977
		(2) गुजरात सोरठदेश तीर्थमाला	'Svadhya' Vol. 14 No. 4, Janmastami issue, August, 1977
		(3) किराताजुनीय ना प्राणी निर्देशो	'Svadhya' Vol. 15 No. 1, Dipotsavi issue, November, 1977
(3)	Shri P. H. Joshi	(1) Select Contents of Oriental Journals	Journal of the Oriental Institute, Vol. 26 Nos. 3-4 March-June, 1977 issue
		(2) —do—	'Journal of the Oriental Institute' Vol. 27 Nos. 1-2 September-December, 1977 issue

CHAPTER XVIII—ORIENTAL INSTITUTE

1. The main work of the Institute is research and publication of important unpublished works on all subjects related to Indology. In the year 1949, when the Institution was taken over by the University, it had 109 volumes in the Gaekwad's Oriental Series and 516 other books. At the close of the year of report the number of publications stood at 166 in the Gaekwad's Oriental Series and 614 other books.

The publications are under the following Series :

(1) Gaekwad's Oriental Series (2) M. S. University Research Series (3) M. S. University Oriental Series (published in the Journal of the Oriental Institute) (4) M. S. Memorial Lecture Series (5) Shri Sayaji Sahityamala (6) Shri Sayaji GramaVikasamala (7) Shri Sayaji Balajnanamala (8) Shri Shishujnanamala (9) Matushri Jamnabai Granthamala.

Moreover the following two Quarterly Journals are being published :

- (1) Journal of the Oriental Institute (English)
- (2) Svadhya (Gujarati)

2. Post-graduate Teaching

As a part of the scheme of co-ordination of the teaching of 14 Shastras of Sanskrit in the University, three members of staff of the Institute teach M.A. students in Sanskrit and one member of the staff is a recognised post-graduate teacher in Gujarati.

3. Staff

The staff consisted of 1 Director (Professor's grade), 1 Deputy Director (Reader's grade), 5 Research Officers (Lecturer's grade), 8 Class III and 6 Class IV employees.

4. Professional Growth of the Staff

(a) Publication of Books:

Sr. No.	Author's name	Title	Published by
1	2	3	4
(1)	Shri J. P. Thaker	(१) पालि गद्यपद्य संग्रह—भाग १	Gujarat State School Text-Book Mandal, Ahmedabad, May, 1977
		(२) पालि गद्यपद्य संग्रह—भाग २	-do- November, 1977

Sr. No.	Name	Title of the Paper	Where Published
1	2	3	4
(4)	Shri N. H. Shah	(1) Index to Journal of the Oriental Institute : Vols. 1-25 : Author & Title Index (2) विनयसमुद्र वाचक-कृत आराम-शोभा वडपई	'Journal of the Oriental Institute', Vol. 27 Nos. 1-2, September-December, 1977 issue 'Svadhyaaya' Vol. 15 No. 2 Vasantapanchami issue, February, 1978

(c) Talks given at different universities :

Sr. No.	Name of the Teacher	Institute	Subject of Talk
(1)	Dr. A. N. Jani	(1) S. N. D. T. Women's University, Bombay on 30-9-1977 (2) Seminar Organised by Lunavada Arts College, Lunavada, 21/22 January, 1978 (3) M.V.M. College, Rajkot on 13-2-1978 (4) Kamani Arts & Science College, Amreli on 14-2-1978	Jagannatha : The Pandit Poet Bhavabhuti as a Dramatist Modern Sanskrit Literature (in Gujarati) Bhavabhuti
(2)	Shri J. P. Thaker	(1) Premanand Sahitya Sabha, Baroda on 8-10-1977	Poet Girdhar : His Life and Works

(d) Attendance at important Committees and Gatherings :

(i) Professor A. N. Jani attended the meeting of the Executive Committee of the Sikkim Research Institute of Tibetology on 25th and 26th April, 1977 and the Regional Gathering of the Humboldt Fellows organised by the Alexander Von-Humboldt of West Germany at Bangalore from 22nd to 24th October, 1977.

5 Manuscripts Section

This Section has a collection of 26,090 manuscripts in Sanskrit, Prakrit, Pali, Apabhramsa and other classical Indian languages and in several modern

Indian languages including a few in Persian and Arabic. Of these, 239 were added during the year as gift from (1) Shri Harihar Vishnu Pendse Shastri, Dabhoi, (2) Smt. Vishveshvaraben N. Purani, Akota, Baroda, (3) Dr. G. H. Dave, Jhalod, (4) Shri K. M. Shukla, Shehera, Dist. Panchamahals and (5) Dr. P. M. Modi, Barodn.

During the year, 21 manuscripts were lent out to other Institutions, 20 to local scholars and 248 were issued for work on the premises of the Institute, while 1 manuscript was borrowed from outside.

6 Printed Books Section

The Institute has a well-equipped library having a collection of 37,600 books.

(A) This year the library received a grant of Rs. 3,000/- from the University. A grant of Rs. 500/- was also received for purchasing books for the Vishnupurana Project.

The following statement gives the details of acquisition during the year :

	Books including bound periodicals	Total value Rs.
Total number of Volumes as on 31-3-1977	37,000	3,83,659-00
Number added during the year	600	8,151-19
Total	37,600	3,91,810-19

Out of the above total number of books added during the year, 216 were purchased at a cost of Rs. 8,151-19 P. and 384 books were received as gift and/or on exchange basis.

(B) The total number of periodicals and journals subscribed for and received on exchange basis now stands at 186 (7 subscribed and 179 exchange).

7. Publications

(1) Gaekwad's Oriental Series :

- (i) Saktisangamatantra, Vol. IV (G.O.S. No. 166) —by Late Dr. B. Bhattacharya and Pt. Vrajvallabha Dvivedi
- (ii) Satyasiddhi—Vol. II (G.O.S. No. 165) —by Shri N. A. Shastri
- (iii) A Dictionary of Sanskrit Grammar (Revised second edition) (G.O.S. No. 134) —by Late Prof. K. V. Abhyankar and Dr. J. M. Shukla
- (iv) Sodhalanighantu (G.O.S. No. 164) —Prof. Priya Vrat Sharma

The following works are under print :

- (i) Krityakalpataru (pp. 1-120 printed) —by Late Shri K. V. Rangawami
(Pratisthakanda) Aiyangar
- (ii) Shri Parsuramakalpasutra (IInd —by Shri Shankarlal Shastri
edition—Revised (pp. 1-368 printed)
- (iii) Nyayalankara (pp. 1-424 printed) —by Prof. Anantalal Thakur and
Late Dr. J. S. Jetly
- (iv) A Descriptive Bibliography of Pancha- —by Prof. H. Daniel Smith
ratra Agamas, Vol. II (Printing yet to
be started)

(2) M. S. University Oriental Series :

The following work is under print :

- (i) Index to Journal of the Oriental —by Shri Navinchandra N. Shah
Institute, Vols. I-XXV (1951-76)
(pp. 1-120 printed)

8. Translation Branch

The following works are printed during the year :

- (1) Shri Sayaji Sahityamala :
(i) भारतीय वीणा —by Shri Rasiklal M. Pandya
(ii) श्री ब्रह्मभाचार्य महाप्रभुजी *(Second edition : —by Prof. K. K. Shastri
Reprint)
(iii) प्राचीन कवियों अने तेमनी कृतिओ (Second —by Late Shri Ramanikrai
edition : Reprint) Desai

The following works are under print :

- (i) चरकनो स्वाध्याय (Vol. II, pp. 727-1430 —by Shri Bapalal G. Vaidya
printed)
(ii) सहरलिंग अने रुद्रमहालय —by Late Shri Kanaiyalal Dave
(iii) भारका प्रदेशनो सांस्कृतिक इतिहास —by Late Shri Kalyanrai N. Joshi

9. Vishnupurana Project

The University Grants Commission has sanctioned eight posts on permanent basis for the Critical Edition projects of the Oriental Institute. Initially a research project of preparing and publishing the critical edition of the Vishnupurana is taken up by the Oriental Institute. The Commission will bear two-third of the expenditure and State Government the remaining one-third over during the years 1975-79. After 1979 the State Government would take over the recurring liabilities of the staff consisting of one General Editor, one Assistant

Editor, four Critical Apparatus Writers and two Proof Readers. The work of preparing the Critical Edition is under progress. The collation of six Devanagari Manuscripts and two Sarada Manuscripts is over.

10. Journal of the Oriental Institute

During the year Nos. 3 and 4 of Vol. 26 and Nos. 1-2 of Vol. 27 were published. 156 and 89 subscribers were registered for Vol. 26 and Vol. 27 respectively and 147 copies were sent on exchange basis.

The Journal of the Oriental Institute completed 25 years. The Index of the first 25 volumes of the Journal of the Oriental Institute is being published separately in book-form in M. S. University Oriental Series as No. 13.

11. Gujarati Journal 'Svadyaya'

During the year Nos. 3 and 4 of Vol. 14 and Nos. 1 & 2 of Vol. 15 were published. 126 and 116 subscribers were registered for Vols. 14 and 15 respectively and 33 copies were sent on exchange basis.

12. Visitors

Sr. No.	Visitors	Date
(1)	Prof. George Cardona, Professor of Sanskrit, University of Pennsylvania, Philadelphia, U.S.A.	27-6-1977
(2)	Mr. Jatta Krumland Rue De Doual, Paris (France)	28-9-1977
(3)	Mrs. Radha Burnior, Director, The Adyar Library and Research Centre, Madras	1-11-1977
(4)	Swamiji Shridharanandaji, The monk-in-charge, Ramakrishna Mission Centre, Lucknow	10-2-1978
(5)	Dr. (Mrs.) Elike Zannas, Cultural Counsellor, Greek Embassy, New Delhi-3	8-3-1978

CHAPTER XIX—COLLEGE OF INDIAN MUSIC, DANCE
AND DRAMATICS

1. Courses of Studies

The courses of studies remained the same as in the previous year.

2. Number of Students

Sr.No.	Year/Class :	Men	Women	Total
(1)	Diploma Courses :			
	1st Year Diploma	287	144	431
	2nd Year Diploma	87	102	189
	3rd Year Diploma	51	66	117
	4th Year Diploma	27	36	63
	5th Year Diploma	24	25	49
	Total	476	373	849
(2)	Degree Courses :			
	1st Year B.Mus.	16	8	24
	2nd Year B.Mus.	14	10	24
	3rd Year B.Mus.	9	9	18
	4th Year B.Mus.	4	9	13
	Total	43	36	79
(3)	Post-graduate Degree Courses :			
	Junior M.Mus.	2	2	4
	Senior M.Mus.	3	4	7
	Total	5	6	11
(4)	Ph.D.	4	1	5
	Grand Total	528	416	944

3. Staff

(a) Present Position :

The staff of the College consisted of One Professor, One Hon. Professor, 3 Readers, 31 Lecturers, One Part-time Ustad, 5 Tabla Accompanists, One temporary Teacher in Mrudanga and 9 Class III and 11 Class IV employees.

4. Faculty Union Activities

(1) Khansaheb Maulabaux anniversary was celebrated on 30th July, 1977 when a programme of Vocal and Instrumental Music was arranged in the remembrance of Khan Saheb Maulabaux.

(2) A film show on the Life of Beethoven was arranged on 10-9-1977.

(3) The anniversary of Ustad Faiyazkhan was celebrated on 4-11-1977 when Sangitacharya Shri Balwantbhai Bhatt of Benaras gave a programme of Vocal Music with demonstration.

(4) A puppet show of Shri Mahipatbhai Kavi of Ahmedabad was arranged on 9-2-1978.

5. Library

The College Library remains open from 9-00 a.m. to 12 noon and from 5-00 p.m. to 8-00 p.m. on all days except Sunday and Holidays. The details regarding the average daily attendance of students and teachers in the Library and the Reading Room and the number of books issued to them are given in the following Statement:

	Number
(1) Average number of students making use of the Library and Reading Room daily	101
(2) Average number of teachers making use of the Library and Reading Room daily	29
(3) Total number of books issued to students during the year	5183
(4) Total number of books issued to teachers during the year	2959

The following are the figures about the stock and the expenditure on the Library and the Reading Room during the year :

	Number	Cost in Rs.
(1) Books (including back numbers of Journals as on 1-4-1977)	7928	69,154-00
(2) Books written off during the year	—	—
(3) Books added during the year	312	8,694-94
(4) Books as on 31-3-1978	8240	77,848-94
(5) Journals subscribed during the year	22	870-00
(6) Amount spent on binding during the year	—	—
(7) Total amount spent for Library and/or Reading Room during the year	—	9,654-94

6. Important Event

Professor R. C. Mehta, Professor and Head, Department of Music worked as a Seminar Director and conducted a Seminar on "Curriculum Development and Design for Evaluation of Post-graduate Studies in Music" sponsored and financed by the University Grants Commission. At this seminar 38 local and 28 outstation delegates participated from 31st October to 2nd November, 1977.

CHAPTER XX—BARODA SANSKRIT MAHAVIDYALAYA

1. Course of Studies

(1) The regular full-time courses of studies remained the same as in the previous year.

(2) The Institute conducted the following part-time courses of short duration i.e. a semester in learning of meaningful *stotras* for Classical Sanskrit literature related to different cults and sects—viz.—Shiva, Vishnu, Krishna, Rama, Devi, etc. and some practical courses of Jyotish, Ayurveda, Karmakanda and Veda recitation.

(i) Geeta Class (Children Section), (ii) Geeta Class (Adult Section), (iii) General Jyotish, (iv) General Palmistry, (v) General Ayurveda, (vi) Rigved—Elementary Karmakand, (vii) Samaveda, (viii) Yajurveda Yajniki Karmakand and (ix) Shikshapatri.

2. Number of Students

Number of Students enrolled in various classes during the year was as under :

Course	Men	Women	Total
(1) Pratham Kaksha (Certificate) :			
1st Year	67	—	67
2nd Year	20	1	21
3rd Year	12	—	12
Total	99	1	100
(2) Madhyam Kaksha (Visharad) :			
(i) Vyakaran Shastra :			
1st Year	4	—	4
2nd Year	3	—	3
3rd Year	1	—	1
4th Year	1	1	2
5th Year	—	—	—
(ii) Jyotish Shastra :			
1st Year	6	1	7
2nd Year	6	—	6

Course	Men	Women	Total
3rd Year	2	—	2
4th Year	6	—	6
5th Year	2	—	2
Total	31	2	33
(3) Uttam Kaksha (Shastri) :			
(i) Vyakaran Shastra :			
1st Year	1	—	1
2nd Year	—	—	—
(ii) Jyotish Shastra :			
1st Year	—	—	—
2nd Year	1	—	1
(iii) Dharma Shastra :			
1st Year	3	—	3
2nd Year	1	—	1
(iv) Sahitya Shastra :			
1st Year	3	—	3
2nd Year	—	—	—
Total	9	—	9
(4) Uttam Kaksha (Acharya) :			
(i) Vyakaran Shastra :			
1st Year	1	—	1
2nd Year	—	—	—
(ii) Jyotish Shastra :			
1st Year	—	—	—
2nd Year	—	1	1
(iii) Dharma Shastra :			
1st Year	—	—	—
2nd Year	—	—	—
(iv) Sahitya Shastra :			
1st Year	1	—	1
2nd Year	1	—	1
Total	3	1	4
(5) Vachaspati :	1	—	1
Grand Total	143	4	147

Evening Part-time Students :

	I Semester	II Semester
(i) Geeta Classes (Children Section)	40	16
(ii) Geeta Class (Adult Section)	11	18
(iii) General Jyotish	32	31
(iv) General Palmistry	38	20
(v) General Ayurveda	6	13
(vi) Rigveda	6	2
(vii) Samaveda	3	1
(viii) Yajurveda Yajniki	27	27
(ix) Shiksha Patri	83	27
Total	246	155

3. Staff

(a) Present Position :

During the year under report, the staff of the Mahavidyalaya consisted of the Principal, 3 Pradhypakas, 3 Teaching Assistants, 2 Part-time Teachers (Pandit), 4 Upadhypakas, 1 Full-time Teacher, 2 Gurus, 2 Class III and 4 Class IV employees. In addition, Dr. J. J. Modi, Sarvashri Gandhi and Aniruddh Upadhyaya helped the Institute in the teaching of short-term courses in the evening.

4. Professional Growth of the Staff

(a) Publication by the Members of the Staff :

The following research articles by members of the staff were published in the annual issue of ' Surabharati ', 1977-78 :

Name of the Contributor	Title
(1) Dr. P. K. Dongre	(१) सम्पादकीयम् (२) भर्माकार्यादिविषयेषु श्रद्धासंरक्षणाय पंचाग रचनायामेकमर्त्यं कथं साध्यम्
(2) Shri P. S. Shukla	(१) किमर्थं व्याकरणशास्त्रम्
(3) Shri R. M. Shastri	(१) नातार्थनिर्णयः
(4) Shri B. J. Joshi	(१) अलंकारशास्त्रे भामहाचार्यस्य मौलिकं प्रदानम्
(5) Shri N. C. Shukla	(१) सर्वं विज्ञानगुरुभारतम्
(6) Shri V. B. Prakashkar	(१) आवाहनम्
(7) Dr. J. R. Pathak	(१) रसनिरूपणम् (२) काव्यपाक कला

(b) Papers presented at all India level Seminars, Conference etc. :

Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the paper presented
(1) Dr. P. K. Dongre	(i) All India Panchang (Jyotish) Niranaya Conference at Ahmedabad on 5-6-1977	Jyotish
	(ii) All Gujarat Sanskrit Conference at Surat on 6-6-1977	In service programme for Secondary School Teachers of Gujarat
	(iii) USEFI-Seminar for Interdisciplinary Instructional Teams and Curriculum Leaders at Baroda from 22-6-1977 to 15-7-1977	Lectures on Philosophy : 1. Vedic Studies and Methods of Learning 2. Six Schools of Indian Philosophy
	(iv) All India Veda Conference and Competition, Ambaji form 21-1-1978 to 22-1-1978	Resource person and Judge for Krishna Yajurveda
(2) Shri V. B. Prakashkar	All Gujarat Sanskrit Conference at Surat from 5-6-1977 to 6-6-1977	On Sanskrit
(3) Shri M. C. Jani	All India Panchang (Jyotish) Niranaya Conference at Ahmedabad on 5-6-1977 and 6-6-1977	Jyotish

(c) Participation in Inservice Programme :

Name of the Teacher	Programme, Place and Date	Capacity in which participant
(1) Shri M. C. Jani	Jyotish Sammelan, at Vedh-shala, Ahmedabad from 5-4-1978 to 6-4-1978	Participants
(2) Shri N. C. Shukla		
(3) Shri B. J. Joshi		
(4) Shri V. B. Prakashkar	Shri Dutt Puran Seminar at Nareshwar on 15-11-1977	Participant

(d) Extension Lectures :

Sr.No.	Lecturer	Subject	Date
(1)	Dr. P. K. Dongre	(१) व्यासजयंती (२) संस्कृतशिक्षणपद्धतिः	1- 7-1977 3- 9-1977
(2)	Shri P. S. Shukla	भाषाविज्ञानम्	24- 9-1977
(3)	Shri B. J. Joshi	श्रीभामहाचार्यः	28-11-1977
(4)	Shri V. B. Prakashkar	असावादित्यो ब्रह्म	18- 2-1978

5. Extra Curricular Activities

- (1) Sanskrit Day Celebration : Sanskrit Day was celebrated on 3-9-1977.
- (2) Celebration of the Human Rights Day : Human Rights Day and United Nations Day was celebrated on 25-1-1978.
- (3) Elocution Competition : Elocution Competition in Sanskrit was arranged on 15-2-1978 for the award of the medal of Sharada Peeth Jagadguru Shankaracharya Shri Abhinava Sachidanand Tirthji Maharaj of Dwarka.
- (4) Antyakshari : Antyakshari Competition was held in the institution on 17-2-1978.

6. Publications

The fifteenth issue of "SURABHARATI" in Sanskrit was published.

7. Library

The institution has a small library and a reading room. The following are the figures showing average daily attendance in the reading room and circulation of books :

Sr.No.	Particulars	Number
(1)	Average number of students making use of the Library and/or the Reading Room daily	40
(2)	Average number of teachers making use of the Library and/or the Reading Room daily	16
(3)	Total number of books issued to students during the year	—
(4)	Total number of books issued to teachers during the year	400

The following figures show the stock and expenditure on the Library and Reading Room during the year:

Sr.No.	Particulars	Number	Cost in Rs.
(1)	Books (including back numbers of journals as on 1-4-1977)	5415	21,873-64
(2)	Books written off during the year	—	—
(3)	Books added during the year	83	1,921-54
(4)	Books as on 31-3-1978	5498	23,795-18
(5)	Journals subscribed during the year	—	—
(6)	Amount spent on binding during the year	—	—
(7)	Total amount spent for Library and/or Reading Room during the year	—	1,921-54

8. Visitors

- (1) Pandit Shri Himmatlal M. Yajnik (Jani), 28-1-1978
VEDHSHALA, (Astronomical Observatory), Ahmedabad
- (2) Shri Vasant A. Gadgil 14-3-1978
Sampadak, 'Sharada', Pune

CHAPTER XXI—PREPARATORY UNIT—ARTS AND COMMERCE

1. Courses of Studies

The courses of studies remained the same as in the previous year.

2. Number of Students

Class	Men	Women	Total
(i) Preparatory Arts	405	155	560
(ii) Preparatory Commerce	392	108	500
Total	797	263	1,060

3. Staff

There are on the staff of the Unit, a Head, 2 Teacher Supervisors, 6 Class III and 7 Class IV employees. The teaching work was shared by the teachers drawn from the Faculties of Arts, Commerce and Science and the Department of General Education.

4. Students Activities

Students of this Unit participated in various activities, such as cultural Programmes, Inter Faculty Sports Competitions, Debates, Tours, Boating, Swimming, etc.

CHAPTER XXII—PREPARATORY UNIT—SCIENCE

1. Courses of Studies

The courses of studies remained the same as in the previous year.

2. Number of Students

During the year there were 190 men students and 10 women students. The total number of students was 200. On account of the introduction of the new pattern of education viz. 10 + 2 + 3, there was a steep fall in the number of students.

3. Staff

There are on the staff of the Unit, a Head, One Teacher Supervisor, two Class III and four Class IV employees. No separate teaching staff is appointed for this Unit but competent teachers from different departments in the Faculties of Science and Arts are invited to teach.

Sl. No.	Name	Designation
(1)	Dr. K. S. G. M. Datta	Teacher in Charge
(2)	Mr. S. S. Datta	Teacher Supervisor
(3)	Mr. S. S. Datta	Class III
(4)	Mr. S. S. Datta	Class III
(5)	Mr. S. S. Datta	Class III
(6)	Mr. S. S. Datta	Class III
(7)	Mr. S. S. Datta	Class III
(8)	Mr. S. S. Datta	Class III
(9)	Mr. S. S. Datta	Class III
(10)	Mr. S. S. Datta	Class III
(11)	Mr. S. S. Datta	Class III
(12)	Mr. S. S. Datta	Class III
(13)	Mr. S. S. Datta	Class III
(14)	Mr. S. S. Datta	Class III
(15)	Mr. S. S. Datta	Class III
(16)	Mr. S. S. Datta	Class III
(17)	Mr. S. S. Datta	Class III
(18)	Mr. S. S. Datta	Class III
(19)	Mr. S. S. Datta	Class III
(20)	Mr. S. S. Datta	Class III
(21)	Mr. S. S. Datta	Class III
(22)	Mr. S. S. Datta	Class III
(23)	Mr. S. S. Datta	Class III
(24)	Mr. S. S. Datta	Class III
(25)	Mr. S. S. Datta	Class III
(26)	Mr. S. S. Datta	Class III
(27)	Mr. S. S. Datta	Class III
(28)	Mr. S. S. Datta	Class III
(29)	Mr. S. S. Datta	Class III
(30)	Mr. S. S. Datta	Class III
(31)	Mr. S. S. Datta	Class III
(32)	Mr. S. S. Datta	Class III
(33)	Mr. S. S. Datta	Class III
(34)	Mr. S. S. Datta	Class III
(35)	Mr. S. S. Datta	Class III
(36)	Mr. S. S. Datta	Class III
(37)	Mr. S. S. Datta	Class III
(38)	Mr. S. S. Datta	Class III
(39)	Mr. S. S. Datta	Class III
(40)	Mr. S. S. Datta	Class III
(41)	Mr. S. S. Datta	Class III
(42)	Mr. S. S. Datta	Class III
(43)	Mr. S. S. Datta	Class III
(44)	Mr. S. S. Datta	Class III
(45)	Mr. S. S. Datta	Class III
(46)	Mr. S. S. Datta	Class III
(47)	Mr. S. S. Datta	Class III
(48)	Mr. S. S. Datta	Class III
(49)	Mr. S. S. Datta	Class III
(50)	Mr. S. S. Datta	Class III
(51)	Mr. S. S. Datta	Class III
(52)	Mr. S. S. Datta	Class III
(53)	Mr. S. S. Datta	Class III
(54)	Mr. S. S. Datta	Class III
(55)	Mr. S. S. Datta	Class III
(56)	Mr. S. S. Datta	Class III
(57)	Mr. S. S. Datta	Class III
(58)	Mr. S. S. Datta	Class III
(59)	Mr. S. S. Datta	Class III
(60)	Mr. S. S. Datta	Class III
(61)	Mr. S. S. Datta	Class III
(62)	Mr. S. S. Datta	Class III
(63)	Mr. S. S. Datta	Class III
(64)	Mr. S. S. Datta	Class III
(65)	Mr. S. S. Datta	Class III
(66)	Mr. S. S. Datta	Class III
(67)	Mr. S. S. Datta	Class III
(68)	Mr. S. S. Datta	Class III
(69)	Mr. S. S. Datta	Class III
(70)	Mr. S. S. Datta	Class III
(71)	Mr. S. S. Datta	Class III
(72)	Mr. S. S. Datta	Class III
(73)	Mr. S. S. Datta	Class III
(74)	Mr. S. S. Datta	Class III
(75)	Mr. S. S. Datta	Class III
(76)	Mr. S. S. Datta	Class III
(77)	Mr. S. S. Datta	Class III
(78)	Mr. S. S. Datta	Class III
(79)	Mr. S. S. Datta	Class III
(80)	Mr. S. S. Datta	Class III
(81)	Mr. S. S. Datta	Class III
(82)	Mr. S. S. Datta	Class III
(83)	Mr. S. S. Datta	Class III
(84)	Mr. S. S. Datta	Class III
(85)	Mr. S. S. Datta	Class III
(86)	Mr. S. S. Datta	Class III
(87)	Mr. S. S. Datta	Class III
(88)	Mr. S. S. Datta	Class III
(89)	Mr. S. S. Datta	Class III
(90)	Mr. S. S. Datta	Class III
(91)	Mr. S. S. Datta	Class III
(92)	Mr. S. S. Datta	Class III
(93)	Mr. S. S. Datta	Class III
(94)	Mr. S. S. Datta	Class III
(95)	Mr. S. S. Datta	Class III
(96)	Mr. S. S. Datta	Class III
(97)	Mr. S. S. Datta	Class III
(98)	Mr. S. S. Datta	Class III
(99)	Mr. S. S. Datta	Class III
(100)	Mr. S. S. Datta	Class III

CHAPTER XXIII—SHRI M. K. AMIN ARTS AND SCIENCE COLLEGE
AND COLLEGE OF COMMERCE, PADRA

1. Courses of Studies

The courses of studies remained the same as in the previous year except that the Preparatory Science Course was discontinued during the year.

2. Number of Students

Year/Class	Men	Women	Total
(1) Preparatory Arts	29	18	47
(2) Preparatory Commerce	94	3	97
Total	123	21	144
(3) F.Y.B.A.	82	16	98
(4) S.Y.B.A.	49	24	73
(5) T.Y.B.A.	29	6	35
Total	160	46	206
(6) F.Y.B.Com.	248	32	280
(7) S.Y.B.Com.	178	18	196
(8) T.Y.B.Com.	102	12	114
Total	528	62	590
Grand Total	811	129	940

3. Staff

(a) Present Position :

During the year, the staff of the College consisted of one Principal, 21 Lecturers, 2 Teaching Assistants, One Part-time Lecturer, One Physical Instructor, 13 Class III and 12 Class IV employees.

(b) New Appointments :

Sr.No.	Name	Designation
(1)	Dr. (Smt.) G. M. Parikh	Temporary Lecturer in Economics
(2)	Shri M. B. Majmudar	Temporary Lecturer in Accounts

4. Professional Growth of the Staff

(1) Dr. R. D. Pathak delivered a lecture on Poet Akho at Smt. S.C.P. Arts and Commerce College, Miyagam in December, 1977. He worked as Chief Editor of the volume 'Golden Dawn' published by Shri Aurbindo Society, Baroda.

(2) Shri O. P. Joneja participated in the Summer Institute in English Language during April-May-June, 1977 and at the Seminar on Modern British Literature from 2nd to 12th January, 1978 sponsored by the U.G.C. at Baroda.

5. Faculty Union Activities

(1) The students collected an amount of Rs. 2,751/- for the Andhra Pradesh Cyclone Relief Fund. The cheque was handed over to Shri Navalbhai Shah, Minister for Education on 11th March, 1978.

(2) Twelve N.C.C. Cadets donated blood. The Annual Training Camp was held at Nargol and attended by 32 cadets.

(3) In the N.S.S. Camp at Chimani Village, the Soak pits, compost pits and protection walls were erected by the students of this College during the Diwali Vacation.

6. College Library

The College has a separate Library. It received a grant of Rs. 5,000/- for the purchase of books from U.G.C. books grant, a grant of Rs. 2,500/- for periodicals and Rs. 1,000/- for binding from the University.

The Reading Room of the Library has seating accommodation for 60 students. During examination time extra seats are provided in Reading Room premises. The working hours of the College Library are from 8-00 a.m. to 5-30 p.m. on all working days and from 8-00 a.m. to 3-00 p.m. on Saturdays.. During examination session, facilities for reading were provided from 8-00 a.m to 8-00 p.m. daily.

The following are the figures of average daily attendance in the reading room and circulation of books :

	Number
(1) Average number of students making use of the Library and/or the Reading Room daily	340
(2) Average number of teachers making use of the Library and/or the Reading Room daily	22
(3) Total number of books issued to students during the year	23,382
(4) Total number of books issued to teachers during the year	4,780

The following figures show the stock and expenditure on the Library and/or Reading Room :

Sr.No.	Particulars	Number	Cost in Rs.
(1)	Books (including back numbers of Journals) as on 1-4-1977	8,691	1,16,798-55
(2)	Books written off during the year	—	—
(3)	Books added during the year	374	5,644-16
(4)	Books as on 31-3-1978	9,065	1,22,442-71
(5)	Journals subscribed during the year	52	2,495-90
(6)	Amount spent on binding during the year	—	747-50
(7)	Total amount spent for Library and/or Reading Room during the year	—	8,887-56

7. Visitors

(1)	Shri Narayan Desai, Sarvodaya Worker	13-10-1977
(2)	Shri Navalbhai Shah, Minister for Education, Gujarat State	11- 3-1978
(3)	Shri Makrand Desai, Minister for Electricity, Mining and Geology, Gujarat State	11- 3-1978
(4)	Shri Manibhai Kashibhai Amin, Donor of this College	21- 3-1978

CHAPTER XXIV—POLYTECHNIC

1. Courses of Studies

(1) The courses of studies remained the same as in the previous year.

2. Number of Students

	Men	Women	Total
(A) Regular Diploma Courses :			
(1) Civil Engineering	404	—	404
(2) Mechanical Engineering	525	—	525
(3) Electrical Engineering	346	—	346
(4) Production Engineering	127	—	127
(5) Industrial Electronics	92	1	93
Total	1494	1	1495

(B) State (Extended) Diploma Courses :

(1) Civil Engineering	77	—	77
(2) Mechanical Engineering	201	1	202
(3) Electrical Engineering	129	—	129
Total	407	1	408

(C) Model Diploma Courses in Petro-Chemical Technology :

(1) Combined Courses	81	—	81
(2) Technology of Processing of Oil and Gas	20	—	20
(3) Technology of Production of Synthetic Resins and Plastics	27	—	27
(4) Technology of Production of Fertilizers and Acids	19	—	19
Total	147	—	147

(D) (1) Post-Diploma in Refrigeration and Airconditioning	7	—	7
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Grand Total 2055 2 2057

3. Staff

(a) The staff of the Polytechnic as on 31-3-1978 consisted of one Principal, 5 Readers, 81 Lecturers, 2 Senior Instructors, 74 Class III and 61 Class IV employees.

(b) Teachers appointed to higher position :

Sr. No.	Name of the Teacher	Previous Designation	Present Designation
(1)	Shri V. S. Shah	Senior Instructor in Mechanical Engineering	Lecturer in Mechanical Engineering
(2)	Shri A. N. Saraiya	Senior Instructor in Mechanical Engineering	Lecturer in Mechanical Engineering
(3)	Shri K. L. Patel	Assistant Lecturer in Physics	Lecturer in Physics
(4)	Shri R. D. Kaka	Senior Instructor in Mechanical Engineering	Lecturer in Mechanical Engineering
(5)	Shri S. C. Shah	Senior Instructor in Mechanical Engineering	Lecturer in Mechanical Engineering

(c) Teachers who left :

Sr.No.	Name of the Teacher	Designation	Reason for leaving
(1)	Shri M. A. Pandya	Lecturer in Civil Engineering	Retired
(2)	Shri R. P. Patel	Lecturer in Chemical Engineering	Resigned
(3)	Shri S. M. Moghe	Lecturer in Electrical Engineering	Resigned

4. Professional Growth of the Staff

(a) Published Articles/Paper :

Name	Title	Name of the Journal, wherein published
(1) Shri K. Ethirajulu	Effective implementation of inplant practical training to undergraduate students	Chemical Engineering World, December, 1977
(2) Shri A. G. Telpande	Role of Technical Institution in Rural Development	ISTE, Annual Convention, January, 1978

(b) Deputation at Conference :

Shri M. R. Thakkar attended the tenth Annual Convention of Indian Water Works Association held at Bombay from 26th to 31st January, 1978.

(c) Participation in Inservice Programme :

Name of the Teacher	Programme	Place	Date	Capacity in which participated
(1) Shri R. P. Patel	Industrial Training under Quality Improvement Programme of Government of India	Herdillia Chemicals, Bombay	11-4-77 to 13-6-77	Teacher Trainee
(2) Shri D. J. Gandhi	Industrial Training under Quality Improvement Programme of Government of India	G.S.F.C., Baroda	18-4-77 to 16-7-77	Teacher Trainee
(3) Shri J. H. Shah	Industrial Training under Quality Improvement Programme of Government of India	IFFCO, Kalol	9-4-77 to 11-4-77	Teacher Trainee
(4) Shri A. G. Telpande	Summer School in Instrumentation	Kota	30-5-77 to 25-6-77	Teacher Trainee
(5) Shri K. T. Oza	Summer School in Refrigeration and Air-conditioning	L. D. Engineering College, Ahmedabad	2-5-77 to 15-5-77	Teacher Trainee

5. Faculty Union Activities

The Students Union carried out the usual activities—participation in youth festival, indoor and outdoor games tournaments, celebration of the Polytechnic day etc.

6 Library

(a) Books :

Books were purchased from the recurring grant of Rs. 20,000/-. The following statement gives the details of acquisition of the Polytechnic Library during the year:

	Books including bound periodicals	Total value in Rs.
(1)	Number at the beginning of the year	16,742 2,87,424-18
(2)	Number added during the year	786 19,999-62
(3)	Number withdrawn from the record	75 981-70
(4)	Number remaining at the end	17,543 3,06,442-10

(b) *Periodicals :*

The total amount spent for the subscription of 49 periodicals was Rs. 5,476-88 and the amount spent for binding was Rs. 2,191-60 P.

(c) *Circulation of Books etc. :*

Statistics for the use of the Library are as under :

(1) Daily average number of readers making use of the library	251
(2) Average issue of books for Home Reading per day	92
(3) Average issue of books for Reading Room per day	44
(4) Total number of students registered	1,542

CHAPTER XXV—CENTRE FOR CONTINUING/ADULT EDUCATION AND COMMUNITY SERVICES

1. Programmes

The Centre conducted the following courses during the year 1977-78 :

(A) <i>Certificate Courses :</i>	<i>Men Students</i>	<i>Women Students</i>	<i>Total Students</i>
(1) I.P.M.M.	89	—	89
(2) Marketing Management	74	4	78
*(3) Product Engineering	48	—	48
*(4) Hotel Management and Catering	19	7	26
Total	230	11	241

(B) *Short Term and Summer Courses :*

(1) Interior Decoration	2	36	38
(2) Light Music	6	15	21
(3) Batik on Textile	3	15	18
(4) Traditional Embroidary	—	16	16
(5) New Mathematics for Parents	5	6	11
(6) Food Preservation	4	28	32
*(7) Adult Literacy	—	12	12
Total	20	128	148
Grand Total	250	139	389

2. Staff

The Centre has one Reader, 3 Teaching Assistants. 3 Class III and One Class IV employees. In addition to the above, there were one Part-time Typist and one Part-time Class IV employee.

3. Professional Growth of the Staff

(a) *Publication :*

<i>Teacher</i>	<i>Article/Pamphlet</i>	<i>Publisher</i>
(1) Dr. (Miss) Malathi Chakravarty	Motivational Theories and their implications in teaching learning situation of adult class in India	M. S. University of Baroda

* These are new courses started in the year 1977-78.

(b) Attendance at Conferences/Seminars/Symposium, etc. :

Teacher	Conference
(1) Dr. (Miss) Malathi Chakravorty	(i) Second meeting of the Evaluation Committee at Anand on 15th April, 1977
	(ii) Seminar conducted by IUACE at Tirupathi from 9th to 17th September, 1977
	(iii) All India Adult Education Conference at Debok, Udaipur from 8th to 10th October, 1977
	(iv) Annual Seminar of IUACE at Rajkot from 14th to 16th January, 1978
	(v) Council meeting of All India Adult Education Association at New Delhi from 13th to 15th February, 1978

4. Visitors

Dr. G. Mullians, Lecturer in University of Adelaide, South Australia, visited the Centre from 6th to 8th February, 1978 to study the Adult Education Programme of the M. S. University.

CHAPTER XXVI—SHRIMATI HANSA MEHTA LIBRARY

1. Order Section

(1) Books :

The grant of Rs. 15,00,000/- for purchase of Books and Journals sanctioned by the University Grants Commission in 1976-77 under the Fifth Five Year Plan period is being utilized.

The number of acquisitions in various institutions of the University is as follows :

Institution	Number of Books
(i) Smt. Hansa Mehta Library (which includes books for the Faculties of Arts, Science, Education and Psychology, Commerce, Law, Home Science, Preparatory Unit—Arts and Commerce and Science and the Centre for Continuing/Adult Education and Community Services)	5,481
(ii) General Education Centre	27
(iii) Faculty of Technology and Engineering	2,638
(iv) Faculty of Fine Arts	92
(v) Faculty of Social Work	220
(vi) College of Indian Music, Dance and Dramatics	312
(vii) Oriental Institute (Printed Section)	600
(viii) Polytechnic	786
(ix) Sanskrit Mahavidyalaya	83
(x) Centre of Advanced Study in Education	376
(xi) M. K. Amin Arts and Science College and College of Commerce, Padra	374
Total	10,989

Out of these, 1,408 were received as gift.

The following statement gives the details of the book stock of Smt. Hansa Mehta Library during the year:

	Books	Bound Vols. of Periodicals	Manu- scripts	Maps, Charts, etc.	Total value in Rs.
(i) Number at the beginning of the year	2,81,141	41,266	248	868	71,38,137-18
(ii) Number added during the year	5,481	910	—	249	5,61,274-98
(iii) Number with-drawn from the records	—	—	—	—	—
(iv) Number remaining at the end of the year	2,86,622	42,176	248	1,117	76,99,411-26

(2) Periodicals :

The total number of periodicals and scholarly journals subscribed to was 725 and 910 volumes of bound periodicals were added to the stock.

2. Cataloguing Section

The activity of the Cataloguing Section is reflected in the following statistics during the year.

(A) Books Classified and Catalogued :

(a) New accessions to University Library	5,481
(b) New accessions to the Faculty Libraries	5,508
Total	10,989
(c) Bound periodicals catalogued and classified	910

(B) Other details of the work of the section incidental to the above are as follows :

	For University Library	For Faculty Libraries	Total
(i) Cards typed	16,443	27,540	43,983
(ii) Cards filed in the catalogue	16,443	27,540	43,983

3. Circulation Section

As usual the working hours of the Library for the whole academic year i.e. from April, 1977 to March, 1978 (except in the months of May, June and July) were from 8-00 a.m. to 10-00 p.m. The library was kept open on almost all Sundays and holidays during the year. In the months of May, June and July, the Library remained open from 11-00 a.m. to 5-30 p.m. on week days and 11-00 a.m. to 3-00 p.m. on Saturdays and closed on Sundays and holidays. From 15th April, 1977 the work of stock taking is being carried out.

This year also in the months of February and March, 1978 the Central Hall Reading Room of the Baroda College building was kept open from 8-00 a.m. to 10-00 p.m. for the use of F.Y. students of Arts, Commerce, Science etc. This reading room accommodates 225 readers and contains all the prescribed and recommended books for the F.Y. students. It remained open on Sundays and holidays.

The Cellar of the General Education building was kept open for reading purpose for the students of Preparatory Arts, Commerce, and Science from 8-00 a.m. to 10-00 p.m. in the months of September and October, 1977 and February and March, 1978. This reading room accommodates 200 readers and contains all the prescribed and recommended books for the preparatory students. It remained open on Sundays and holidays.

The number of Readers registered in the various categories was as follows:

(i) Post-graduate students	1,379
(ii) Under-graduate students	6,761
(iii) Research Scholars	75
(iv) University Teachers	503
(v) Others	482
Total	9,200

The statistics of the use of library was as under:

(i) Daily average number of readers visiting the library	2,500
(ii) Daily average number of readers visiting the Central Hall Reading Room of the Baroda College Building	225
(iii) Daily average number of readers visiting the Reading Room of General Education i.e. Cellar	200
(iv) Total number of books issued per day for reading	1,219
(a) Average number of books issued per day for home reading from General Collection	264
(b) Average number of books issued per day from Curricular Collection	415

- | | |
|--|-----|
| (c) Average number of books issued per day from reading of the General Education i.e. Cellar | 26 |
| (d) Average number of books issued per day from the Central Hall Reading Room | 13 |
| (e) Average number of books issued per day for reference from stacks | 501 |
| (v) Average number of books issued per reader in the year | 33 |

4. Reference Section

(1) Reference Service to Readers :

The Reference Section conducted a number of activities such as answering queries of readers personally, by correspondence and on phone providing guidance to students and teachers for better use of library's resources, etc.

(2) Orientation Programme :

In the beginning of the academic session, the Reference Section conducted an orientation programme intended to acquaint the new entrants with the working of the various sections of the library. The various practices and procedures followed by the library, the arrangement of books on the shelves and other technical devices were explained to them.

(3) Exhibitions :

From time to time the Reference Section puts up exhibitions of books and other reading materials of different topics suited to the occasion. During the period under review the exhibitions of books, pamphlets and photographs on the following topics and persons were arranged :

(a) Special Exhibitions :

- (i) Pollution, (ii) Gujarat, (iii) University Libraries, (iv) Games and (v) Man-made Textile.

(b) Weekly Exhibition :

Selected new books were displayed every week in the University Library.

(4) Bibliographical Activity :

Bibliographies on the following topics were compiled during the period:

- (i) Foreign Language—Study and Teaching, (ii) Shivanand Swami, (iii) Elementary Books on Science and Technology, (iv) Rubber Industry and (v) Moral Education.

(5) UNESCO Information Centre :

To popularise the activities of the UNO and UNESCO, a separate UNESCO Centre has been kept in the Reference Section.

(6) The National Library Week :

In response to the appeal of Indian Library Association regarding the celebration of the Tenth Library Week, the Reference Section carried out the following activities :

- (i) An exhibition of books, periodicals, pamphlets etc. was arranged on Reading Habits.
(ii) Librarians of different Institutions of Baroda City were invited to this Library to discuss their problems.
(iii) Students of the Secondary Schools of Baroda City were invited in groups to visit the library.
(iv) Readers were encouraged to read more books.

(7) Theses and Dissertations :

- (i) During the period, 179 theses and dissertations were added to the collection of 3,374, bringing the total collection to 3,553.
(ii) During the period, 2,018 readers consulted the theses and dissertations.
(iii) A descriptive list of Ph.D. theses received in the library from January to December, 1977 was published.

(8) Reference Materials :

During the period, 1974 readers consulted the reference books and other reference materials.

(9) Pamphlet Collection :

The following statement gives the details of Pamphlet collection in the library :

(i) Number at the beginning of the year	17,962
(ii) Number added during the year	640
(iii) Number withdrawn from the record	180
(iv) Number remaining at the end of the year	18,422

CHAPTER XXVII—THE MAHARAJA SAYAJIRAO
UNIVERSITY OF BARODA PRESS

1. Staff

During the year the staff of the Press consisted of a Manager, a Deputy Manager, an Assistant Manager, a Head Clerk (Accounts and Stores), one Head Proof-reader, one Proof-reader, one Copy-holder and a Clerk. There are 43 permanent workers in the Press.

2. Machinery

The Press has machinery worth Rs. 2,68,630/- including machines worth Rs. 1,19,350/- purchased from the grants of the University Grants Commission and the State Government.

3. Printing Activities

During the year, 1251 plus 551 examination papers were printed under conditions of secrecy for the University examinations. The Press also printed Syndicate and Senate Proceedings, Details of Establishment, Annual Accounts, Annual Report, Budget Estimates, Questionnaires, Magazines, Pamphlets, Certificates, Electoral Rolls, General Forms, Prospectus, Hand-book Pamphlets, etc. of the Faculties and Institutions. The Press works purely as a service department of the University since April, 1967.

(a) The following is the list of books printed by the Press during the year :

<i>Name of the Book</i>	<i>Publishers</i>
(1) Some Aspects of Political Geography of India	Department of Geography, Faculty of Science
(2) Statistical Summary of Medical Examination Reports of the Students of M. S. University of Baroda (1973-74 and 1974-75)	Statistical Service Unit, Faculty of Science
(3) A Dictionary of Sanskrit Grammar	Oriental Institute
(4) Chandra Maulishwar Kuravanji	College of Indian Music, Dance and Dramatics
(5) Pre-historic Champaner	Department of Archaeology and Ancient History, Faculty of Arts
(6) Sodhal Nighantu	Oriental Institute

<i>Name of the Book</i>	<i>Publishers</i>
(7) Report of Seminar on the New Pattern of Education	Department of Extension Services, Faculty of Education and Psychology
(8) So You Want Good Museum Exhibitions	Department of Museology, Faculty of Fine Arts
(9) Sitar Darpan	College of Indian Music, Dance and Dramatics
(10) Prachin Kavio ane Temani Krutio	Oriental Institute
(11) Shri Vallabhacharya Mahaprabhuji	Oriental Institute
(12) Bharatiya Veena	Oriental Institute
(13) An Evaluation of Dairying Assistance Programme under Marginal Farmers and Landless Labourers Development Agency	Department of Agricultural Economics, Faculty of Arts
(14) Prof. B. K. Thakor—Vyakti Parichya	Department of Gujarati, Faculty of Arts
(15) Madhyakalin Jnanmargi Kavyadharani Bhumika	Department of Gujarati, Faculty of Arts

(b) The following Journals were printed during the year :

- (1) The Journal of M. S. University of Baroda
- (2) The Journal of Oriental Institute
- (3) The Journal of Animal Morphology and Physiology (Half Yearly)
- (4) Swadhyaya (Quarterly)
- (5) Pavo (Half Yearly)
- (6) Studies in Museology (Yearly)
- (7) Baroda Journal of Nutrition (Half Yearly)
- (8) Social Work Review (Yearly)

4. University Stationery Unit

The Unit consists of one Senior Clerk, one Stationery Clerk, one Rikshaw Driver-cum-Stationery Distributor and one Helper. During the year under report, the stationery articles worth Rs. 2,96,459/- were purchased and stationery worth Rs. 3,40,362/- was distributed.

5. University Publication Sales Unit

The Unit consists of a Senior Clerk, a Clerk and one Outdoor Work Assistant/Attender. It is working as a book-shop for University Publications. The total sales during the year was Rs. 1,30,032/-.

CHAPTER XXVIII—THE MAHARAJA SAYAJIRAO UNIVERSITY UNION

1. Executive Committee

Dr. J. S. Bandukwala and Major D. C. Vyas were appointed President and Treasurer respectively of the M. S. University Union for the year 1977-78.

General election for the Vice-President, General Secretary and Faculty Representatives were held on 13th August, 1977. Shri R. F. Lalkaka of the Faculty of Technology and Engineering was elected Vice-President and Shri Gopal R. Joshi of the Faculty of Commerce as General Secretary. There were 39 representatives elected by the students of the respective Faculties and Institutions. The following members were nominated by the Syndicate.

- (1) Shri A. P. Hathi
- (2) Shri J. A. Pandya

The first meeting of the Executive Committee was held on 29th August, 1977 for the election of the Sectional Secretaries and allocation of various portfolios. The following members were elected by the Executive Committee on the following Boards of the University :

- | | |
|---|-------------------------------|
| (1) University Board of Sports | (1) Shri Satish J. Desai |
| | (2) Shri Kishor A. Thakkar |
| (2) University Students Welfare Board | (1) Shri Darayas J. Pardiwala |
| | (2) Shri Kanaiyalal N. Pathak |
| | (3) Shri Bhaskar V. Shukla |
| (3) University Students' Aid Fund Committee | (1) Shri Gopal R. Joshi |
| | (2) Shri Babubhai P. Patel |
| | (3) Shri Rakesh R. Shah |

2. Activities

During the year, the Sectional Secretaries conducted the following activities with enthusiasm and interest :

- (1) On 15th September, 1977 the Prime Minister Shri Morarjibhai Desai visited the Union and addressed the students.
- (2) On 28th September, 1977 Dr. Subramaniam Swami, Member of Parliament delivered a lecture on "Concept of Rolling in Planning" at the General Education Centre.
- (3) The U.N.O. Day was celebrated at which the eminent Political thinkers Prof. D. N. Pathak of the Department of Political Science, Gujarat University, Ahmedabad and Prof. A. P. Rana of the Political Science Department of our University spoke on "United Nations and World Order".

(4) B.B.C. films "Ascent of Man" were shown at the Physics Lecture Theatre of the Faculty of Science, Baroda in October, 1977.

(5) An amount of Rs. 30,000/- contributed by University Students, Staff and teachers was handed over to the Chief Minister, Shri Babubhai Jashbhai Patel towards the South India Cyclone Relief Fund.

(6) The Union played host for the Gujarat State Carrom Championship where our students also participated.

(7) Three Faculty Representatives—Sarvashri Pramod Mathur, Nilesh Patel and Sishir Shroff, the President and the Treasurer donated the cost of their blazer to the Friends Society which is engaged in social work.

(8) Teams were sent to participate in the Inter-University Badminton tournament at Jabalpur, Inter-University Table Tennis tournament at Dharwar and Inter-University Chess Tournament at Lucknow.

(9) The Hiking Club sent a team of about 14 students for Basic Rock Climbing Course at Mount Abu. Before this, they also undertook a tracking trip to Pavagadh.

(10) A scooter rally was organised by the Hiking Club on 31st October, 1977 which generated great enthusiasm amongst the students.

(11) Shri D. H. Mohite was appointed Publisher of the *Emester*. The first issue of the *Emester* was released by the Prime Minister Shri Morarjibhai Desai in the first term when he visited the M. S. University Union. The second issue was published in the second term of the year.

(12) A Musical Evening was arranged in the General Education Auditorium.

3. University Youth Festival (Unifes-78)

The UNIFES-78 was arranged at which various competitions viz. Drama, Garba, Dance, Debates, Group Songs, etc. were conducted. Besides Sha-me-gazal, Kavi Sammelan, Qwali and Camp Fire were arranged during the night programmes. Two new trophies are established by the Union for conducting the Inter-Faculty Quiz Contest and Group Discussion Competitions every year during the University Week. The winners of the various competitions of the UNIFES-78 were awarded trophies and prizes.

4. Fun Fair

A Fun Fair was arranged on 4th and 5th February, 1978 on the University Union grounds.

CHAPTER XXIX—GENERAL EDUCATION CENTRE

1. Facilities

Facilities are available at the Centre for students of the University for Self-learning through audio-visual aids, study of Natural History and for practical Art Activities and Appreciation as well as for knowing the Electrical Gadgets, their use and minor repairs.

2. Teaching Staff

The General Education Centre has a nucleus staff of one Reader and three Lecturers who not only teach General Education and the Pre-University Classes, but also serve as liason officers and help in the preparation of reading material and organization of the programme.

3. Programmes

The activities of the various programmes under the General Education undertaken during the year are as under :

(1) *Practical Art Appreciation* :

Eleven students from different Faculties were registered and given guidance in drawing and design, composition of human figures, print-making, clay work and simple relief casting in plastics.

(2) *Writers' Club* :

Students from different faculties were enrolled and were given topics to write articles.

(3) *Speakers' Club* :

Some of the students, who registered, took part in University and Inter-Faculty debates, group discussions, etc.

(4) *Dramatic Club* :

Twenty-one students were registered for the Dramatic Club and were given guidance on various topics and phases of drama.

(5) *Electrical Gadgets Club* :

Ten students were registered for this Club. They were given guidance on different types of electrical meters, wiring, tube lights, fuses, switches, radio parts, etc.

CHAPTER XXX—STUDENTS' WELFARE ACTIVITIES

1. Halls of Residence

The University being a residential university makes constant efforts to increase and improve residential accommodation for its students. At its start in 1949, the University had accommodation for 200 men in rented buildings and another 200 men in university owned buildings. There was no hostel accommodation for women students. There are now 12 Halls of Residence for men and 4 Halls of Residence for women.

The general policy of the University is to distribute students from various faculties in different Halls so that every Hall has students from different faculties. At the end of the year under report 2473 men and 726 women were in residence in different Halls as against 2533 and 750 respectively. The break up of these students Hallwise and Institutionwise is given in Appendix—XI.

In the mens' Halls of Residence, there is one honorary Warden and in the womens', one paid full-time Superintendent to look after the residents. The administration of the Halls was carried on with the advice of the Advisory Committee of the Halls of Residence and Wardens' Committee.

All the Halls have been provided with common rooms which are generally used as Library-cum-reading rooms also. The Halls are also provided with furnished Visitors' rooms. There are facilities for some Indoor games also. The Chief Warden's Office has a staff of 9 class III and 2 Class IV employees.

The Central Committee and the following three Sub-Committees were formed :

(i) Inter Hostel Food Committee, (ii) Inter Hostel Sports Committee and (iii) Inter Hostel Entertainment Committee. The Chief Warden, Halls of Residence was the Chairman of the Central Committee. Students are also members on these Committees.

The Sports Committee arranged the Inter-hostel competitions in different games. The Central Entertainment Committee organised a 'Fun Fair' on the grounds of Dadabhai Naoroji Hall.

Each Hall has its own Executive Committee composed of student members duly elected by the resident students of the Halls. These Committees worked under the guidance of the Wardens. Students participated actively in matters pertaining to the affairs of the Hall except finance.

During the year the following were appointed as Wardens :

- (i) Dr. P. V. Kotecha
Warden, Jivraj Mehta Hall,
vice Dr. D. H. Trivedi resigned
- (ii) Dr. R. K. Parlikar
Warden, Manubhai Mehta Hall,
vice Prof. H. V. Bhavnani resigned
- (iii) Shri Satish Mishra,
Warden, Nusservanji Vakil Hall

2. University Health Centre

During the year the staff of the Health Centre consisted of One Medical Officer, One Honorary Surgeon and One Honorary Lady Gynaecologist, One Honorary Physician, One Part-time Lady Doctor, One Part-time Assistant Medical Officer, One Nurse, One Sanitary Inspector, One Compounder-cum-Clerk, One Laboratory-cum-X-Ray Technician, One Part-time Clerk and three Hamal cum Sweepers.

Halls of Residence and their kitchens were visited for inspecting maintenance of sanitation and hygiene in August, 1977 and January, 1978.

A Maternity and Child Care Centre is started under the guidance of Rotary Club of Baroda. The Centre works on every Thursday for two hours in the morning, carries out the vaccination programme, gives ante-natal advice to expectant mothers and also provides the family welfare advice.

The Health Centre provides preventive and curative services for malaria to students, members of the staff and their families.

The new entrants to the University were given a Medical check up by the Medical Inspection Board in S.S.G. Hospital. Out of the total 3333 entrant students scheduled for medical check up, 2440 (73-20%) reported. Out of total examination, 971 (39.75%) were recommended follow up treatment to be taken either from the Health Centre, Specialists of S.S.G. Hospital or the family doctors for various disorders viz. skin, eye, ear, nose, throat, heart, etc. Out of 971 follow up students, 570 students (58.70%) completed their follow up treatment.

During the year the total attendance of the patients at the Health Centre Clinic was 32,580 (21,033 students and 11,547 members of the staff and their families). The average daily attendance has been 105 during the year. The Health Centre remained open all hours of emergency and the doctors on duty attend cases of emergency in the Halls of Residence and the residence of the staff members.

The total number of Laboratory investigations was 1648, while that for fluoroscopy examination was 821.

During the year the Medical Attendance Rules for University Staff members and their families covered and Second Pay Commission's Scales of Pay were formulated on the lines of those prevailing in the State Government for their employees and were implemented from 1st September, 1977.

The two City Centres—(i) Raopura Kothi and (ii) Bajwada and Pratapnagar areas—were also continued and they provided medical facilities to the employees of the University staying in and round about these areas.

3. Physical Education

- (1) *Staff*: The Staff consisted of a Director, two Senior Physical Instructors, four Physical Education Instructors, one Football Coach, one Swimming Trainer, one Boating Trainer and two Assistant Swimming Trainers.
- (2) *Training in Physical Education*: Training in Physical Education was imparted to 965 men and 876 women students from various faculties and institutions.
- (3) *Training and Coaching in Games and Sports*:
 - (i) Cricket (M and W), (ii) Tennis (M and W), (iii) Hockey (M and W), (iv) Football, (v) Kho-Kho (M and W), (vi) Track and Field Events (M and W), (vii) Kabaddi, (viii) Volleyball, (ix) Basketball (M and W), (x) Throwball (W), (xi) Netball (W), (xii) Swimming (M and W), (xiii) Boating (M and W), (xiv) Shooting and (xv) Cycling.

There were 340 members including men and women students in Swimming. In Boating the number was 110 including women students. Special coaching was provided by the honorary coaches and Officer-in-Charge in Cricket (M and W), Tennis (M and W), Football, Volleyball, Basketball (M and W), Athletics (M and W), Kho-Kho (M and W), Hockey (M and W), Kabaddi, Swimming (M and W) and Shooting (M).

- (4) *Participation in Tournaments and Competitions*:
 - (a) *Inter-University Tournaments*:

Sr. No.	Name of the Game	Venue	Results	Remarks
(i)	Cycling (Men)	Patiala	Secured III place in All India	Individual performance II place in 4800 Mts.

Sr. No.	Name of the Game	Venue	Results	Remarks
				Massed start. IV place in 100 Mts. Sprint. V place in 100 Km. Road Race Team : III place in 1600 Mts. time trial. IV Place in 50 Km. team trial Road Race. In the III heat of 4800 Mts. massed start Shri Hector Patel Previous timing of 8 Mins 41 Sec. alongwith other 4 cyclists.
(ii)	Kho-Kho (Women)	Jabalpur	Secured III place in All India	—
(iii)	Kho-Kho (Men)	Nasik (Pune)	Lost in Quartes finals All India	—
(iv)	Hockey (Men)	Udaipur	Lost in Quarter final	—
(v)	Shooting (Men)	Madras	Secured 7th position in All India	Secured 5th rank in Individual Firing
(vi)	Basketball (Men)	Baroda	Lost in second round	—
(vii)	Basketball (Women)	Gwalior	Lost in second round	—
(viii)	Tennis (Men)	Tirupati	Lost in second round	—
(ix)	Swimming (M and W)	Kanpur	Lost in heats	—
(x)	Kabaddi (Men)	Kolhapur	Lost in first round	—
(xi)	Football	Jodhpur	Lost in second round	—
(xii)	Hockey (Women)	Faizasad	Lost in first round	—
(xiii)	Cricket (Men)	Not held	—	—
(xiv)	Cricket (Women)	Bareilly	Lost in first round	—
(xv)	Badminton (Men)	Jabalpur	Lost in first round	—
(xvi)	Badminton (Women)	Jabalpur	Lost in first round	—
(xvii)	Table Tennis (Men)	Dharwar	Lost in first round	—
(xviii)	Table Tennis (Women)	Dharwar	Lost in second round	—
(xix)	Athletics (Women)	Ujjain	Finished 7th in 100 Mts. Hurdles	Kum. Bernandin Fernandes and Bhavna Nimbalkar Semifinal
(xx)	Chess	Lucknow	—	—

(b) Participation in All India Invitation Tournaments :

(i) Athletics : Shri Jude D'souza of Polytechnic represented M. S. University at the All India Open Invitation Athletic Championships organised by Shri Ram Club at Jaipur in November 1977. He won gold medals in 100 Mts. and 200 Mts. running and was declared the fastest runner of the meet.

(ii) Shooting : M. S. University Shooting Team (Men) participated in All India Shooting Championship competitions (Nationals) held at Ahmedabad from 26th February to 8th March, 1978. The result is as under :

Sr. No.	Match No.	Particulars	Distance	Team/ Individual	Winners	Position	Points
(i)	29	22 Standard Rifle Three positions	25 Mts.	Individual	1. R. K. Patel 2. R. K. Datta 3. Raaz A. H.	I II III	371/600 250/600 248/600
(ii)	51	22 Open Sight Prone position	50 Mts.	Individual	1. R. K. Patel 2. Raaz A. H.	I III	406/600 334/600
(iii)	—	22 Open Sight Prone position	50 Mts.	Team	1. R. K. Patel 2. R. K. Datta 3. P. S. Multani	II	position

(c) Participation in State Championships :

Basketball : (i) The Men Team participated in Gujarat State Basketball Championships held at Ahmedabad and gained second place (Runners up).

(ii) The Women's team participated in Gujarat State Basketball Championship held at Ahmedabad and won the Championship.

Hockey (Women) : Participated in Gujarat State Hockey Championships for women held at Ahmedabad.

Tennis (Men) : Shri U. K. Jethea played tournaments at Bulsar and Surat.

Shooting (Men) : Participated in Gujarat State Rifle Shooting Championships held at Ahmedabad. All the three positions have been won by the M. S. University participants.

I	Shri Rajendra K. Patel	Score—368 Pts.
II	Shri Raaz A. A.	Score—271 Pts.
III	Shri Multani Paramjitsingh	Score—231 Pts.

Athletics : Athletic Teams of Men and Women participated in Gujarat State Athletic Meet held at Ahmedabad in December, 1977. The result is as under :

(Men)

- (i) Shri Jude D'souza (Polytechnic) II in 100 and 200 Mts. running.
 (ii) Shri Sunil Kumar (Technology I in High jump and 100 Mts. running and Engineering) in senior boys group.
 (iii) Shri Sanjay Sikdar (Technology I in 110 Mts. Hurdles. and Engineering)

(Women)

- (i) Kum. Saraswati Rajput I Long jump set new state record. (Commerce)
 (ii) Kum. Bhavna Nimbalkar I 100 Mts. Running, I 200 Mts. running. (Commerce)
 II 800 Mts. Running. Set new State Record in 200 Mts. Running.
 (iii) Kum. Bernandin Fernandes I 100 Mts. Hurdles (Commerce)
 I High Jump, III Discuss throw Set new State Record in 100 Mts. Hurdles.

(d) Other Invitation Tournaments :

- Basketball : (i) The Men's team participated in Swamirao Cup Basketball Championships held at Bhavnagar and went upto the quarter finals.
 (ii) The Women's team participated in Bindu Trophy state level championship held at Bhavnagar and won the championship.
 (iii) Mahajan Shaktidal Championship held at Bhavnagar and secured the Second place.
 (iv) Kum. Nilima Pandit of Faculty of Science was adjudged to the best state (Women) player in Basketball and awarded a special prize.
 Hockey (Men) : Participated in Republic Day Hockey Tournaments and became winners.

(e) Local Tournaments :

- Football : (i) Baroda District League-cum-Knockout Championship and was champion for the third successive year.
 (ii) Saxena Memorial Football Tournaments; Lost in the Second round.

- (iii) Baroda Jaycees Football Tournaments : Lost in the Second round.
 Athletics : (i) Shri Jude D'souza—Ist in 100 and 200 Mts. Running.
 (ii) Shri Sunilkumar—Ist in High Jump, Long Jump and Tripple Jump.
 (iii) Kum. Bernandine Fernandes—Ist in High Jump and 100 Mts. Hurdles.
 Basketball (Men) : (i) Baroda District Championships-Runners-up.
 (ii) Baroda Municipal Corporation Championship—Winners.
 Hockey (Men) : (i) Baroda District League-cum-Knockout Championships—lost in the semifinals.
 (ii) Maj. Rege Cup Knockout Tournaments : Lost in the semifinals.
 (iii) Under 20 years (age group) Knock-out Tournament—Winners.
 Hockey (Women) : (i) Open Baroda Senior League Hockey Tournament—Secured third place.
 (ii) Runner up in Mukesh Trophy Open Tournament.
 Kabaddi (Men) : Open Kabaddi Tournaments organised by Western Railway : Lost in the Second round.
 Volleyball (Men) : Western Railway Tournaments : Lost in the first round.
 Cricket (Men) : (i) Zaveri League Tournaments : Scored maximum points.
 (ii) Ghia Cup Tournaments.
 (iii) Randle Cup Tournaments.

(f) Inter-Faculty Tournaments :

- Athletics (Men) : Sunilkumar (Tech. and Engg.) Individual Champion.
 Athletics (Women) : Kum. Bernandine Fernandies Individual Champion.
 Basketball (Men) : Commerce Faculty Winners—Polytechnic Runners up.
 Tennis (Men) : Medicine Winners—Tech. and Engg. Runners up.
 Football : Arts Faculty Winners—Commerce Runners up.
 Cricket (Men) : Tech. and Engg. Winners—Commerce Runners up.
 Boating (Men) : Shri N. M. Chavan of Tech. and Engg. Individual Champion.
 Boating (Women) : Kum. Alka Chavan of Arts Individual Champion.
 Swimming (Men) : Shri S. P. Puri of Commerce Individual Champion.
 Swimming (Men) : Kum. Alka Chavan of Arts Individual Champion.

5. Intramural Competitions for Students in Physical Education Classes

Competitions in Throw Ball and Volley Ball were conducted for women students and men students respectively. The Department also conducted Physical fitness test among the Physical Education Classes for men and women students alongwith the Intramural competitions. National Physical Efficiency Drive Test was carried out on 4th January, 1978 for the University students.

6. Selected for Nationals

National Athletic Meet : Five students were selected to represent Gujarat State for National Athletic Meet held at Quilon (Kerala).

Three students were selected to represent Gujarat State in the National Hockey Championships held at Chandigarh.

Basketball (Men) :

Three students were selected to represent Gujarat State in National Basketball Championships held at Jamshedpur. Two students played for Gujarat State in All India West Zone Basketball Championships held at Gujarat Refinery in which Gujarat won the Championship.

Basketball (Women) :

Six students were selected for Gujarat State team to participate in National Basketball Championship held at Jamshedpur.

7. Other Important Events

(i) Shri Ravi Deshmukha has been adjudged as the best cricketer of the year in the M. S. University to receive the Ranji Centenary Award for the year 1977-78.

(ii) The following University students were selected for Summer Coaching-cum-Competition Programme by Association of Indian Universities to be held at Patiala.

(a) Shri Harpal Chudasama and Shri Anand Modi were selected to attend coaching camp for Basketball.

(b) Shri K. A. Mathew was selected to attend the combined University coaching camp. Shri Mukesh Desai was placed on the waiting list for Hockey.

(c) Kum. Beena Shah was selected as reserve to attend the coaching camp for combined University Hockey team.

(d) Shri Yunoos A. Ginwalla was selected as reserve for the coaching for W. Z. Combined University Football team.

(iii) Shri K. A. Mathew of Technology and Engineering was awarded Scholarship by the Association of Indian Universities, New Delhi. Kum. Bhavna Nimbalkar was awarded State Scholarship on Sports ground for the year 1977-78.

(iv) Kum. Bhavna Nimbalkar was awarded " Sardar Patel Award " in Athletics by Gujarat State for the year 1977-78.

(v) M. S. University cycling team secured third place in All India Inter-University Cycling Championship held at Patiala.

(vi) The University Women's team won third place in All India Inter-University Kho-Kho Tournament held at Jabalpur.

(vii) Shri Jude D'souza of Polytechnic participated in All India Open Invitation Athletic Championships organised by Shri Ram Club at Jaipur in the month of November, 1977. He won GOLD MEDALS in 100 Mts. and 200 Mts. running and was declared the fastest runner of the meet.

(viii) M. S. University women's team consisting of four athletes gave a fine performance in the State Athletic meet held at Ahmedabad in the month of December, 1977. Three athletes set new state records in (i) Long Jump, (ii) 200 Mts. Running and (iii) 100 Mts. Hurdles.

(ix) Under the auspices of M. S. University Boating Club a boating expedition for the students of Gujarat State was organised with financial support from Hari Om Trust through Sardar Patel University. About eleven members of M. S. University Boat Club took part in the expedition from Garudeswar to Aliabet in the River Narmada for 7 days.

8. National Cadet Corps

During the year under report the following N.C.C. Units carried out their multifarious activities :

Sr. No.	Name of the Unit	N.C.C. Officers	N.C.C. Cadets
(1)	3 Gujarat Battalion NCC	7	503
(2)	Dettachment Coy 6 Guj. Girls Battalion NCC	2	142
(3)	1 Gujarat Combo Tech. Regt. NCC	2	160
(4)	2 Gujarat Naval Unit NCC	4	200
(5)	1 Gujarat Air Sqn. NCC	1	200

Training of all the units started in July, 1977 and terminated in February, 1978. Maximum number of cadets attended training as well as Annual Training Camps besides attachments with various Regular Units. The strength of NCC Officers and cadets who attended the various Annual Training Camps is shown as under :

Sr. No.	Name of the Unit	Strength	
		Officers	Cadets
(1)	3 Gujarat Battalion NCC	8	193
(2)	1 Gujarat Combo Tech. Regt. NCC	2	20
(3)	1 Gujarat Air Sqn. NCC	1	43
(4)	2 Gujarat Naval Unit NCC	—	34
(5)	Detachment Coy. 6 Gujarat Girls Battalion NCC	1	90

The following number of Officers/Cadets attended the various Camps/Courses during 1977-78 :

Sr. No.	Name of the Course	Number attended	
		Officers	Cadets
(1)	Basic Leadership Course SD Boys held at Pune (Maharashtra) from 16th to 29th May, 1977	—	2
(2)	Basic Leadership Course SD Boys held at Sharifabad (J and K) from 7th to 20th June, 1977	1	10
(3)	Basic Leadership Course Girls Division Senior Wing at Bhowali (Uttar Pradesh) from 19th to 30th May, 1977	—	8
(4)	Advance Leadership Course SD Boys held at Barapani (Assam) from 22nd April to 12th May, 1977	—	3
(5)	Advance Leadership Course SD Boys held at Kalimpong (West Bengal) from 9th to 29th May, 1977	—	2
(6)	Advance Leadership Course SD Boys held at Panchmarhi from 21st May to 10th June, 1977	—	4
(7)	Advance Leadership Course (with Naval Bias) held at Vishakhapatnam (Andhra Pradesh) from 29th May to 18th June, 1977	—	3
(8)	Advance Leadership Course held at Barapani (Assam) from 14th to 27th May, 1977	—	2
(9)	Advance Leadership Course Girls Division Senior Wing held at Sauni (Uttar Pradesh) from 18th May to 7th June, 1977	—	1
(10)	INS Nau Sainik Camp held at Cochin (Kerala) from 16th to 29th May, 1977	—	6
(11)	VAYU Sainik Camp held at Bangalore (Karnataka)	—	10

Sr. No.	Name of the Course	Number attended	
		Officers	Cadets
(12)	Attachment with Regular Army Unit 14 Grenadiers C/o 56 APO from 3rd to 23rd May, 1977	—	31
(13)	Attachment with Regular Army Unit 54 Engr. Regt. C/o. 56 APO from 3rd to 23rd May, 1977	—	6
(14)	Attachment with Regular Army Unit 142 Sig. Regt. C/o. 56 APO from 3rd to 23rd May, 1977	—	4
(15)	Attachment course with Regular Air Force Unit with A F Station Pune from 26th June to 16th July, 1977	—	4
(16)	Attachment Course with Regular Navy Unit with ANGRE from 16th May to 12th June, 1977	—	2
(17)	Cadet detailed to attend Para Training at Agra from 1st to 22nd October, 1977	—	1

Nine cadets attended Prime Minister's Rally Republic Day Parade on 26th January, 1978. Four Cadets participated in All India Inter-University Shooting Competition held at Madras from 14th to 16th February, 1978. The following cadets of 3 Gujarat Battalion NCC took part in the XVIII Gujarat Shooting Championship which was held at Ahmedabad during 3rd week of December, 1977 and secured the position shown against each :

(i)	U/O Patel R. K.	First
(ii)	L/CPL Raaz A. A.	Second
(iii)	RSM Maitani F. K.	Third

The following cadets of 3 Gujarat Battalion NCC and 1 Gujarat Air Sqn. NCC participated in All India Rifle Shooting competition and secured position shown against each :

Name	Unit	22 Open Sight Rifle prone position	22 Open Rifle 3 position	Remarks
(i) CDT SGT Patel R. K.	3 Guj. Bn. NCC	2	1	Stood "First"
(ii) CDT SGT Dutta R. K.	1 Guj. Air Sqn. NCC	1	1	Stood "Second"
(iii) U/O Raaz A. A.	3 Guj. Bn. NCC	1	1	Stood "Third"

The Group HQS celebrated NCC Day on 27th November, 1977 in the Faculties/Institutions.

During the current training year, various small independent projects like Road construction/Repairs, Traffic duties, Cleaning of Village/Slum areas and lectures on Hygiene and Sanitation to the villagers were undertaken by the cadets. A total of 8,293 hours social work has been carried out by the cadets of this Group and a total of 30,300 ml. of Blood has been donated by the cadets of this Group.

A Guard of Honour consisting of 50 cadets was presented to Shri Babubhai J. Patel, Chief Minister of Gujarat State on the occasion of Annual Convocation which was held on 10th December, 1977.

Training in Gliding was imparted to 46 Boys and 15 Girls cadets of 1 Gujarat Air Sqn. NCC Baroda and 2,384 launches were carried out by the unit upto the end of February, 1978. Sixteen cadets were given training in flying at Gujarat Flying Club, Baroda and have completed 617 hours flying. Sixteen cadets did solo flying whereas 10 did solo gliding.

The undermentioned cadets won prizes in the Ship Building and Aeromodelling competitions :

Sr. No.	Name of the cadet	Unit	Type of contest with date	Prize won
(i)	CADET CAPT Dave K. J.	2 GUJ NAVAL UNIT NCC	Ship Modelling contest held at Bombay on 12 November, 1977	First Prize
(ii)	CADET PO Burli U. M.	2 GUJ NAVAL UNIT NCC	Ship Modelling contest held at Bombay on 12 November, 1977	Second Prize
(iii)	CADET Vyas S. S.	1 GUJ AIR SQN NCC	Aero Modelling contest held at Bombay on 13 November, 1977	Third Prize in TOW-Line Glider
(iv)	CADET Vyas S. S.	1 GUJ AIR SQN NCC	Aero Modelling contest held at Bombay on 13 November, 1977	Second Prize in Control Line Speed
(v)	CADET Gaekwar R. N.	1 GUJ AIR SQN NCC	Aero Modelling contest held at Bombay on 13 November, 1977	Second Prize TOW-Line Glider
(vi)	CADET Dixit M. P.	1 GUJ AIR SQN NCC	Aero Modelling contest held at Bombay on 13 November, 1977	Third Prize in Control Speed

1 Gujarat Air Sqn. NCC has been awarded "Best Air Sqn (Flying)" Trophy in all NCC Directorates at Republic Day Camp held at New Delhi in January, 1978 for best Flying/Gliding.

Sailing expedition in 28' Whaler in Narmada River from Chandod to Purja Ghat, Broach (distance 10 Kms.) was undertaken by 16 cadets of 2 Gujarat Naval Unit NCC in January, 1978. One Officer and 2 PI Staff also took part in the expedition.

9. National Service Scheme

The National Service Scheme, M. S. University of Baroda is sponsored by the Ministry of Education and Social Welfare, Government of India and Department of Education, Government of Gujarat.

(1) Objectives :

The major objectives of N.S.S. are to provide opportunities to the University students to develop their capacities for Nation building tasks during their leisure time and vacations.

(2) Organisation :

The organisation of N.S.S. consisted of a Director, a Programme Co-ordinator, a Office Secretary, a Field Organiser, 12 NSS Programme Leaders, 2 Office Assistants, a Driver and 2 peons.

(3) Students Strength :

(i)	Number of students allotted	2600
(ii)	Number of students enrolled	2617
(iii)	Number of male students	2120
(iv)	Number of female students	497

(4) Institutions covered under NSS :

Students of fourteen different institutions i.e. Arts, Commerce, Science, Technology, Medicine, Law, Polytechnic, Fine Arts, Home Science, Social Work, Prep. Units of Arts, Commerce and Science and Padra College are covered under NSS programme in the M. S. University of Baroda.

(5) Special Feature :

The speciality of NSS programme of Baroda University is that the N.S.S. Units are not allotted to the Colleges, but the whole programme is organised centrally at the University level. The projects are organised on the basis of students' interests.

(6) *Activities :*

The normal activities of N.S.S. are carried on by different service projects. The projects are organised on the basis of students' interests. The activities of N.S.S. consisted of concurrent and special camping programmes for the year 1977-78. The concurrent programmes are co-terminous with the academic terms of the University; special camping programmes are organised during holidays and vacations. The students were involved in the activities of Education and Community Service through 15 service projects listed below :

(1) City Service Projects, (2) Construction/Craft Projects, (3) Co-operative Service Projects, (4) Creative Activity Projects, (5) Campus Beautification Projects, (6) Educational Service Projects, (7) Health Service Projects, (8) Hospital Service Projects, (9) Mass Education Projects, (10) Primary School Projects, (11) Projects for Disabled People, (12) Youth Service Projects, (13) Family Life Education Projects, (14) Library-cum-Municipal Service Projects, (15) Village Health Projects at Ankhol.

The NSS also extended its activities at M. K. Amin Arts and Science College and College of Commerce, Padra.

(7) *Special Achievements :*

Rajendrakumar Inter-University Blood Donation Competition Trophy was awarded to M. S. University of Baroda for collecting highest percentage of student donors for the year 1976-77. Blood Donation Group of Friends Society, Baroda helped motivating students for Blood Donation.

(8) *Andhra Pradesh Cyclone Relief Fund Campaign :*

A Group of Faculty of Home Science Students of National Service Scheme organised a programme of 'Charity Walk' from Home Science Campus to I.P.C.L. Township, Jawaharnagar for fund collection, under the direction of Mrs. Kalpana Paralikar. They collected Rs. 2,000/- through the Charity Walk Programme. The amount has been handed over to the Chief Minister, Gujarat State.

Students of M. K. Amin Arts and Science College and College of Commerce, Padra also collected a fund of Rs. 2,000/- approx. for the same cause.

(9) *Special Camping Programme :*

24 camps under special camping programme of Youth for Rural Reconstruction involving 1391 campers were organised by 45 camp organisers who belonged to teaching staff and senior students volunteers of different Faculties. They contributed in the construction of 203 huts, 61 Bavla/PRA type latrines, 51 smokeless chulas, 22 bath-rooms, 181 Soak/Compost pits and one Gobar Gas

plant. In addition to this the campers contributed in digging 3851 ft. lift irrigation canal, 5788 mtrs. garden/farm bunding and 3000 mtrs. approach-road construction. The details of the camps are as under :

Sr. No.	Place of the Camp	Duration	Total Number of Participants
(1)	Panwad	19 -4-1977 to 29 -4-1977	52
(2)	Vadia	27 -4-1977 to 7 -5-1977	78
(3)	Khakharia	30 -4-1977 to 10 -5-1977	78
(4)	Rajupura	4 -5-1977 to 14 -5-1977	69
(5)	Rangpur-I	2 -5-1977 to 12 -5-1977	58
(6)	Rangpur-II	16 -5-1977 to 26 -5-1977	116
(7)	Rangpur-III	9 -6-1977 to 19 -6-1977	103
(8)	Rangpur-IV	23 -6-1977 to 3 -7-1977	23
(9)	Kundhela	5 -5-1977 to 15 -5-1977	58
(10)	Garadhia-I	6 -5-1977 to 16 -5-1977	39
(11)	Garadhia-II	23 -5-1977 to 2 -6-1977	36
(12)	Kantharpura	10 -5-1977 to 20 -5-1977	41
(13)	Pipalsat	22 -5-1977 to 1 -6-1977	50
(14)	Muval	23 -5-1977 to 2 -6-1977	38
(15)	Rangpur Sadhli-I	28 -5-1977 to 7 -6-1977	33
(16)	Rangpur Sadhli-II	8 -6-1977 to 18 -6-1977	31
(17)	Darjipura	30 -5-1977 to 10 -6-1977	51
(18)	Mithibor	1 -6-1977 to 11 -6-1977	100
(19)	Motichikli	4 -6-1977 to 14 -6-1977	86
(20)	Chimli	14-11-1977 to 24-11-1977	52
(21)	Katkoi	15-11-1977 to 25-11-1977	49
(22)	Mobha	15-11-1977 to 25-11-1977	46
(23)	Motichikli-II	16-11-1977 to 26-11-1977	58
(24)	Varnama	17-11-1977 to 27-11-1977	46
Total			1391

The following educational and health programmes were also undertaken in all the camps :

(1) Motivation for Gobar Gas Plant, (2) Mass-immunisation, (3) Scar Survey, (4) Medical Check-up, (5) Motivation for Blood Donation, (6) Healthy Bany Competitions, (7) Slogan writing on walls, (8) Public Entertainment Programme, (9) Family Planning Exhibition, (10) Home Decoration Competitions, (11) Clean Utensils Competitions, (12) Moholla Safai Competitions, (13) Film Shows, (14) Health Surveys, (15) Eye Diagnosis, (16) Re-vaccination, (17) Removal of encroachment on land, (18) Disinfection of water in wells, (19) Afforestation and Tree Plantation and (20) Preservation of Archaeological Monuments.

10. Students' Common Rooms

There are three Common Rooms for University students. Two rooms are on the campus—one for men students and the other for women students. The third room generally known as Non-Resident Students' Centre is near the Faculty of Technology and Engineering. The women students' common room and the Non-Resident Students' Centre were built with financial assistance from the University Grants Commission and the State Government.

A cafeteria is attached to each of the three Common Rooms. There are facilities for indoor games such as carrom, draughts, chess, table tennis, etc. and reading material like newspapers, periodicals and a small collection of books. Committees consisting of the members of the teaching staff look after the upkeep and arrangements of the rooms. The rooms are also used for meetings of the Students' Association, Socials, Indoor games and tournaments.

11. Hobby Workshop

The M. S. University Hobby Workshop provided instruction to 124 students in various hobbies during 1977-78 as mentioned below :

Hobby	Number of Students
(i) Carpentry	10
(ii) Assembling electrical and electronic appliances	12
(iii) Music	50
(iv) Clay-modelling	12
(v) Photography	40

12. University Employment Information and Guidance Bureau

	Number of Students
(i) Registration of students	902
(ii) Submission	6323
(iii) Placement	163
(iv) Supply of information to individuals	1370
(v) Guidance to students	537
(vi) Group Guidance Talks	36
(vii) Visitors	1720
(viii) Review of Live Registers	62

The Bureau made efforts to direct unemployed persons for training in Office Management, Banking, Accountancy, Management and Industrial Engineering, Computer Training, etc.

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA Statement showing the number of University Students in the Academic year 1977-78

Appendix I

Sr. No.	Institution	*Post-graduate Courses		Degree Courses		Diploma Courses		Total		Grand Total 1975-76		
		Men	Women	Men	Women	Men	Women	Men	Women			
											Grand Total 1977-78	Grand Total 1976-77
1	Faculty of Arts	272	248	1427	916	25	7	1724	1171	2895	2507	2797
2	Faculty of Science	322	133	1004	422	16	2	1342	557	1899	1657	1628
3	Faculty of Education and Psychology	63	72	99	202	—	1	162	275	437	437	460
4	Faculty of Commerce	325	93	1651	974	28	3	2004	1070	3074	3108	3603
5	Faculty of Medicine	87	18	637	126	—	—	724	144	868	880	884
6	Faculty of Technology and Engineering	149	8	2559	132	252	—	2960	140	3100	3049	2924
7	Faculty of Fine Arts	42	17	90	63	@134	@16	266	96	362	340	305
8	Faculty of Home Science	1	181	—	754	—	—	1	935	936	1020	942
9	Faculty of Social Work	50	41	—	—	17	—	67	41	108	90	99
10	Faculty of Law	359	38	933	78	—	—	1292	116	1408	1201	1135
11	Preparatory Unit—Arts and Commerce	—	—	†920	†284	—	—	920	284	1204	2389	2110
12	Preparatory Unit—Science	—	—	190	10	—	—	190	10	200	1323	1201
13	M. K. Amin Arts and Science College and College of Commerce, Padra	—	—	688	108	—	—	688	108	796	648	1034
14	College of Indian Music, Dance and Dramatics	09	07	43	36	—	—	52	43	95	93	96
15	Baroda Sanskrit Mahavidyalaya	4	1	9	—	31	2	44	3	47	60	79
16	Polytechnic	—	—	—	—	2055	2	2055	2	2057	1862	1841
Total		1683	857	10250	4105	2558	33	14491	4995	19486	20664	21138

* Includes Ph.D., Master Degree and Post-graduate Students.

@ Includes Post-Diploma Students.

† Includes 123 Men and 21 Women Students of Padra College.

Appendix II

Statement showing the number of Non-University Students in the year 1977-78

Institution	Men	Women	Total 1977-78	Total 1976-77	Total 1975-76
(A) Diploma Courses					
(1) College of Indian Music, Dance and Dramatics	476	373	849	717	702
(B) Certificate Courses					
(1) Faculty of Arts	322	72	394	225	204
(2) Faculty of Fine Arts	04	01	05	14	15
(3) Baroda Sanskrit Maha- vidyalaya	99	01	100	98	85
(C) S.S.C. Courses					
(1) University Experimental School	452	312	764	564	513
(D) Nursery Courses					
(1) Chetan Balwadi	17	11	28	85	62
(2) Kindergarten	31	26	57	20	23
Total	1401	796	2197	1723	1604

Appendix III

List of Degree/Diploma conferred at the Annual and Supplementary Convocations during the year 1977-78

Sr. No.	Degree/Diploma	Annual Convocation December, 1977	Supple- mentary Convocation March, 1977	Total
1	2	3	4	5
1.	Ph.D. (Arts)	4	2	6
2.	Ph.D. (Science)	19	14	33
3.	Ph.D. (Education and Psychology)	17	3	20
4.	Ph.D. (Commerce)	—	2	2
5.	Ph.D. (Fine Arts)	2	—	2
6.	M.D.	9	5	14
7.	M.S.	3	2	5
8.	M.A.	144	9	153
9.	Acharya	4	—	4
10.	B.A.	597	119	716
11.	Shastri	4	—	4
12.	Bachelor of Library Science	23	—	23
13.	M.Sc.	160	11	171
14.	B.Sc.	306	61	367
15.	M.Ed.	47	—	47
16.	B.Ed.	135	2	137
17.	M.Com.	137	36	173
18.	B.Com.	818	159	977
19.	P.G. Diploma in Banking	24	1	25
20.	P.G. Diploma in Co-operation	6	—	6
21.	M.Sc. (Medical)	3	3	6
22.	M.B.B.S.	30	90	120
23.	B.Physiotherapy	8	1	9
24.	D.O.	—	2	2
25.	D.A.	—	1	1
26.	D.L. & O.	3	3	6
27.	D.M.R.D.	—	1	1
28.	D.C.H.	1	2	3
29.	D.C.P.	—	1	1
30.	D.G.O.	1	7	8
31.	D.V. & D.	1	—	1
32.	T.D.D.	1	—	1

1	2	3	4	5
33. D.P.H.		2	—	2
34. M.E.		7	12	19
35. M.Text. (Engg.)		1	—	1
36. M.Sc. (Applied Physics)		5	—	5
37. M.Sc. (Applied Mathematics)		3	—	3
38. B.Tech.		—	6	6
39. B.E.		407	34	441
40. B.Text. (Engg.)		4	1	5
41. B.Text. (Tech.)		39	2	41
42. B.Arch.		36	1	37
43. B.Pharm.		27	—	27
44. P.G. Dip. in Ref. and Air.-Cond.		—	1	1
45. LL.M.		6	1	7
46. LL.B. (Special)		72	14	86
47. LL.B. (General)		57	40	97
48. D.T.P.		63	10	73
49. D.L.P.		32	6	38
50. M.A. (Fine)		7	—	7
51. B.A. (Fine)		31	—	31
52. Post-graduate Diploma in Museology		6	—	6
53. M.Mus.		3	—	3
54. B.Mus.		8	—	8
55. M.Sc. (Home)		39	5	44
56. B.Sc. (Home)		122	9	131
57. P.G. Dip. in Pre-School Education		26	1	27
58. P.G. Dip. in Dietetics		12	1	13
59. M.S.W.		26	4	30
60. Post-graduate Diploma in Industrial Relation and Personnel Management		—	14	14
	Total	3548	699	4247

Statement showing the number of Teaching Staff of various Faculties and Institutions as on 31st March, 1978

Sr. No.	Institution	Pro-fessors	Readers	Lecturers and Teaching Assistants	Assistant Lecturers, Senior/Junior Instructors	Honorary, Part-time Research and others	Total
1	2	3	4	5	6	7	8
1.	Arts	11	17	57	—	4	89
2.	Science	18	37	142	—	—	197
3.	Edu. and Psy.	4	9	27	—	—	40
4.	Commerce	4	9	26	—	2	41
5.	Tech. and Engg.	20	39	143	1	32	235
6.	Fine Arts	4	4	22	2	2	34
7.	Home Science	3	6	46	—	2	57
8.	Social Work	1	2	8	—	1	12
9.	Law	1	2	3	—	12	18
10.	Oriental Institute	1	1	5	—	—	7
11.	College of Indian Music, Dance and Dramatics	1	3	31	—	8	43
12.	Baroda Sanskrit Mahavidyalaya	—	—	8	5	2	15
13.	Polytechnic	1	5	81	2	—	89
14.	M. K. Amin Arts and Science College and College of Commerce, Padra	—	—	23	—	1	24
	Total	69	134	622	10	66	901

List of Students qualifying for the Ph.D. Degree during the year 1977-78

Sr.No.	Name	Subject	Title of the Thesis
Faculty of Arts			
1.	Shri Badamisingh Khoombiram Rawat	Hindi	Satthotari Hindi Kavita Vastu aur Shilp.
2.	Shri Ashokkumar Kantilal Shah	Hindi	Upanyasker Guru Dutta Eka Anushilan.
3.	Shri Ratilal Trikam- lal Parikh	Archaeology	Archaeology of the Banaskantha District (N.C.) upto 1500 A.D.
4.	Shri Ravindrarai Harshadrai Dholakia	Economics	Interetate Variations in Economic Growth in India.
Faculty of Science			
5.	Smt. Aparna Das- gupta	Botany	Cytolaxonomical Studies in members of the tribe nibisceae and ureneae of the Family malvaceae.
6.	Shri Sneh Deep Bhandari	Bio- Chemistry	Studies on Rat in Testinal Phytase.
7.	Kum. Saramma Kuriakose	Bio- Chemistry	Studies on Lemon (Citrus acida) vesicles cultivated invitro.
8.	Shri Jitendrakumar Jayantilal Dave	Botany	Studies on the effect of Gibberelic Acid on the Physiology of Garmination of Cotton (Gossypium her- baceum L. Var Digvijay)
9.	Shri Sanjappa Muni- venkatappa	Botany	Cytotaxonomical Studies in Some Genera of the tribes Indigofercal and Desnodieal of Fabaceal.
10.	Shri M. N. Subbarao	Bio- Chemistry	Some Regulatory aspects of RNA Metabolism.
11.	Shri Rajendrakumar Ratilal Shah	Botany	Studies on enzymes related to Phendic Acids in Plants Tissu Cultures.
12.	Shri Sumanbhai Thakorbbhai Patel	Zoology	Studies on certain aspects of adap- tive physiological and Bio-chemical changes in Migratory Birds.
13.	Shri Ravindra Nath Pande	Geology	A reinterpretation of the Geology of the Ganaichaukhy Ayea. in Kumaon Himalayas.

Sr.No.	Name	Subject	Title of the Thesis
14.	Shri Vinay Baburao Kamble	Physics	Spectroscopy of light Muclet with skyrme type Interaction.
15.	Shri Ashabhai Pursotambhai Prajapati	Chemistry	Studies on liquid crystalline Pro- perties of Schiff base compounds containing Naphdhalene Nucleus.
16.	Shri Subhashchandra Ratilal Pandya	Physics	Studies on the Binding Energy of the electron on a dipole field using perturbation technique.
17.	Shri Sita Ram Agarwal	Mathematics	On the convergence and Summabi- lity of Fourier besel series.
18.	Shri Gulammohiyud- din Abdulrahim Tamam	Bi- chemistry	Studies on Algal Bacterial symbosis in High rule Oxidation ponds using scende, smus oblique.
19.	Shri Yeshwant Ganpatrao Gaekwad	Chemistry	Studies in Xanthones.
20.	Shri Dhirubhai Keshavlal Shah	Statistics	Further contributions to Altribates Acceptance Sampling Plans.
21.	Shri Joginder Singh	Chemistry	Conversion of Cyclortenol into Buxais Alkaloids.
22.	Kum. Mira Dhirajlal Trivedi	Physics	Studies of Telleerium single crystals.
23.	Shri Prabhakar Vaman Deshpande	Physics	Luminescence of Thallium Doped Sodium Chloride Phosphors.
24.	Kum. Prabha Shankar Gawande	Chemistry	Studies in Oxygen Heterocycles.
25.	Shri Jhillu Singh Yadav	Chemistry	Studies in Isolongifolene.
26.	Shri Kamlesh Parsram Lulla	Botany	Analysis of Estuarine Rural Eco- system with agricultural Environ- ment and Saline edaphic zones at Chokari (Baroda-India) including Ecological approaclus for agro- ecosystem optimization.
27.	Kum. Roopakumari Vadilal Kinariwala	Zoology	A comparative study on certain aspects of histology and Physiology of some organs during tail regenera- tion in the scincial lizard Mabuyu carinate and wound healing in the Agamid Lizard calotes versicolor.

<i>Sr.No.</i>	<i>Name</i>	<i>Subject</i>	<i>Title of the Thesis</i>
28.	Kum. Uma Dora-swamy	Chemistry	Studies in some mixed Ligand complexes containing B. Di-carbonyls.
29.	Shri Mohan Kumar V. B.	Chemistry	Studies in some schiffbase complexes.
30.	Kum. Kishni Tulsidas Kishnani	Zoology	Wound healing and repair in the liver of normal and alloxan diabetic rates A. Histophysiological study.
31.	Shri Viswanatha Rama Karanth	Geology	Studies on the Granitic Rocks and the associated Metamorphics of the Kapleshwar area (Dist. Almora and Nainital in Kumah Himalayas).
32.	Shri Jitendra Ramanlal Dave	Bio-Chemistry	Studies on the composition of the bone in relation to age and nutritional status.
33.	Kum. Jayashree Sumanlal Kothari	Zoology	Studies on certain physiological changes during tail regeneration in houselizard Hemidactylus Flaviviridis.
34.	Shri Pradip Narayan Akolkar	Bio-Chemistry	Studies on Soyidli fermentation.
35.	Shri Rajnikant Rasiklal Shah	Chemistry	Studies in synthesis of oxygen Hetero cycles.
36.	Shri Paresh Hari-Prasad Bhatt	Botany	Induced growth and Morphogenesis in cultured cells and Tissues of Impomoea.

Faculty of Education and Psychology

37.	Shri Sunirmal Roy	Education	Class room questioning and pupil achievement an enquiry into teaching style.
38.	Kum. Rajamma Kuruvilla	Education	An experimental study in the use of programmed learning material in the class room.
39.	Shri Ramaswamy Pavanasam	Education	Teacher behaviour and classroom Dynamics.
40.	Shri Harrai Bhikha-bhai Desai	Education	Changing teacher behaviour in the teaching of mother tongue and studying its effects on pupils.

<i>Sr.No.</i>	<i>Name</i>	<i>Subject</i>	<i>Title of the Thesis</i>
41.	Smt. Snehalata Madhukar Joshi	Education	Effectiveness of Micro teaching as a technique in teacher preparation programme.
42.	Shri Kiritkumar Amrutlal Gandhi	Education	A study of school climate as a function of personality of School Personnel and pupil control ideology.
43.	Kum. M. S. Lalithamma	Education	An enquiry into class-room instruction.
44.	Shri Sreedhara Swamy	Education	Role and effectiveness of Professional organisation of teachers in India.
45.	Shri Krishna Tukaram Mehasa	Education	Evaluation of administration of Secondary Teachers Training Colleges in Maharashtra with Special reference to the Principals Role.
46.	Shri D. Damodar	Education	A Critical Investigation into the practice of Student teaching and evaluation programme in the training Colleges of Andhra Pradesh.
47.	Kum. Anjani Avantilal Mehta	Education	Institutional Climate as a factor of staff moral and student control ideology in the affiliated colleges of Gujarat University.
48.	Shri Shankar Raghunath Yardi	Education	A comparative study of perceptions of structure Roles and functions of Trade Union by its members office bearers Government officials and management.
49.	Smt. Bimla Bal-krishan Passi	Education	Effect of Instructional material and feedback upon the development of teaching skills of induction and closure.
50.	Shri Tribhuvan Rajdev Singh	Education	Adoption and Discontinuation of Innovations in the Preparation of Secondary School Teachers in India.
51.	Shri Krishan Kumar Sharma	Education	Effect of different techniques of feedback upon the Utlainments of teaching skills related to Stimulus variation among teachers.

Sr.No.	Name	Subject	Title of the Thesis
52.	Smt. Seema Ashok Sahastrabudhe	Education	Institutional climate as a function of pupil Control ideology and student in discipline.
53.	Shri Bhagwandas Ranchhodlal Panchal	Education	A study of innovative proneness of teacher Educators of Secondary Teacher's Training Colleges of Gujarat State.
54.	Shri Vithaldas Ratansinh Thakkar	Psychology	A study of potential Teachers effectiveness their educational attitudes in relation to their rapport with the students and their Survival and job satisfaction in the profession.
Faculty of Commerce			
55.	Shri Chandulal Sakarchand Rathod	Co-operation	Urban Co-operative Banks Role and Development in India with reference to Gujarat.
56.	Smt. Behroz Hosi Elavia	Co-operation	A study of Co-operative Land Development Banking in Gujarat.
Faculty of Technology and Engineering			
57.	Shri Suryakant Narsinhbhai Patel	Civil Engineering	Behaviour of Reinforced Concrete Deep Beamisin Shear and Flexure.
Faculty of Fine Arts			
58.	Shri Sunil Manilal Kothari	Dance	The Dance-Drama Tradition of Kuchipuddi Bhagavata Mela Natak and Kurvanji with special reference to the Rasa Theory as Expanded in Bharat's Natyasastra.
59.	Kum. Jayanti Viswanath Vaishampayan	Dance	Contribution of Rukminidevi Arundale to Bharat Natya.

Appendix VI
Results of the University Examinations of April-May, 1977

Sr. No.	Examination	Number appeared																Percentage of passes
		Men								Women								
		No. Regd.	No. Absent	I Class				II Class				Pass Class				Total		
				I Class Dist.	I Class	II Class	Total	I Class Dist.	I Class	II Class	Total	I Class Dist.	I Class	II Class	Total			
1																		
2	Preparatory Arts	1449	46		7	91	428		11	89	282		182	182	710	50.60%		
3	F.Y.B.A.	1026	38		12	76	319		22	90	245		133	245	564	57.08%		
*3	S.Y.B.A.	1036	56				276				245		245	245	521	53.16%		
4	T.Y.B.A.	917	32	1	13	80	327	2	25	104	328	665	197	328	665	75.25%		
*5	M.A.—Part I	206	19			86	101				46		97	97	161	86.09%		
6	M.A.—Part II	164	6			84	74		9	35	30	74	19	72	146	92.40%		
7	Bachelor of Library Science	30				4	30			4	6		4	17	23	76.66%		
8	Acharya	4				4	4			2	4		2	4	4	100.00%		
9	Shastri	8				6	2		2	2	4		1	2	6	75.00%		
10	Visharad	2				1	1		1	1	1		1	1	1	50.00%		
11	P.G. Diploma in German Language	7				6	1		4	1	6		1	1	7	100.00%		
12	Diploma in German Language	22	8		3	3	1		3	3	7		1	6	13	92.86%		
13	Diploma in Russian Language	2					2		1	1	1		1	1	1	50.00%		
14	Preparatory Science	1543	22	379	299	162	840											
15	F.Y.B.Sc.	534	22	19	73	95	187											
*16	S.Y.B.Sc.	398	13			276	109				157			94	251	60.58%		
																	65.77%	

*No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
17 T.Y.B.Sc.			469	14	299	156	455	4	28	74	79	185	9	31	61	31	132	317	69.67%
*18 M.Sc. (Previous)			170	11	107	52	159	—	—	—	85	85	—	—	—	49	49	134	84.11%
19 M.Sc. (Final)			178	4	116	58	174	2	26	50	18	96	1	15	34	6	56	152	87.35%
20 M.Sc. (Applied Geology)			7	—	7	—	7	—	2	4	1	7	—	—	—	—	—	7	100.00%
*21 Diploma in Laboratory Techniques			11	—	11	—	11	—	—	—	9	9	—	—	—	—	—	9	81.72%
22 M.Ed.			49	1	35	13	48	2	1	10	—	13	—	2	26	5	33	46	95.83%
23 B.Ed.			135	—	41	94	135	2	19	68	3	93	—	2	—	34	37	130	96.29%
24 Preparatory Commerce			1321	10	852	459	1311	—	85	272	276	633	—	58	200	129	387	1020	77.80%
25 F.Y.B.Com.			1290	54	829	407	1236	—	74	191	219	484	—	36	119	109	264	748	60.71%
*26 S.Y.B.Com.			1056	60	696	300	996	—	—	—	489	489	—	—	—	244	244	733	73.59%
*27 B.Com. (Under O.Com. 25)			8	1	5	2	7	—	—	—	4	4	—	—	—	2	2	6	85.71%
*28 B.Com. (Under O.Com. 27)			10	1	8	1	9	—	—	—	4	4	—	—	—	—	—	4	44.44%
29 B.Com.			1195	70	804	321	1125	1	58	288	240	586	1	22	130	88	241	827	73.51%
*30 M.Com.—Part I			148	37	97	13	110	—	—	—	73	73	—	—	—	13	13	88	80.00%
*31 M.Com.—Part II			219	53	135	31	166	—	5	27	75	107	—	2	18	9	29	136	82.42%
*32 P.G. Diploma in Co-operation			9	—	5	4	9	—	—	—	2	2	—	—	—	4	4	6	66.07%
33 P.G. in Diploma in Banking			30	4	11	15	26	—	2	4	3	9	—	3	8	4	15	24	92.03%
*34 U.G. Diploma in Co-operation			12	—	8	4	12	—	—	—	7	7	—	—	—	3	3	10	83.33%
*35 M.D. (Br. I—Medicine)			3	—	2	1	3	—	—	—	2	2	—	—	—	1	1	3	100.00%
*36 M.D. (Br. II—Pathology)			1	—	—	1	1	—	—	—	—	—	—	—	—	1	1	1	100.00%
*37 M.D. (Br. V—Obst. and Gyn.)			4	—	1	3	4	—	—	—	1	1	—	—	2	2	3	75.00%	
*38 M.D. (Br. VI—Paediatrics)			2	—	1	1	2	—	—	—	1	1	—	—	—	—	—	1	50.00%
*39 M.D. (Br. IX—Radiology)			1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100.00%
*40 M.S. (Br. I—Surgery)			4	—	4	—	4	—	—	—	1	1	—	—	—	—	—	1	25.00%
*41 M.S. (Br. III—Orthopaedics)			2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	2	100.00%
*42 First M.B.B.S.			10	1	7	2	9	—	—	—	6	6	—	—	—	1	1	7	77.77%
*43 Second M.B.B.S.—(April)			153	3	122	28	150	—	—	—	84	84	—	—	—	25	25	109	72.60%
*44 Second M.B.B.S.—(July)			46	2	41	3	44	—	—	—	29	29	—	—	—	3	3	32	72.72%
*45 Third M.B.B.S.			40	—	36	4	40	—	—	—	31	31	—	—	—	4	4	35	87.05%
*46 M.Sc. (Medical)—Part I			3	—	3	—	3	—	—	—	3	3	—	—	—	—	—	3	100.00%

*No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
*47 M.Sc. (Medical)—Part II			4	—	3	1	4	—	—	—	2	2	—	—	—	1	1	3	75.00%	
*48 Dip. in Laryngology and Otology			3	—	3	—	3	—	—	—	3	3	—	—	—	—	—	3	100.00%	
*49 Diploma in Child Health			1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100.00%	
*50 Diploma in Public Health			2	—	1	1	2	—	—	—	1	1	—	—	—	1	1	2	100.00%	
*51 Dip. in Venereology & Dermatology			1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100.00%	
*52 Diploma in Tuberculous Diseases			1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100.00%	
*53 Diploma in Clinical Pathology			1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00.00%	
*54 Dip. in Obstetrics and Gynaecology			1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100.00%	
*55 F.Y.B.Physiotherapy—(April)			14	—	2	12	14	—	—	—	—	—	—	—	—	11	11	11	78.57%	
*56 F.Y.B.Physiotherapy—(Suppl.) (July)			2	—	1	1	2	—	—	—	1	1	—	—	—	1	1	2	100.00%	
*57 S.Y.B.Physiotherapy—(April)			14	—	1	13	14	—	—	—	1	1	—	—	—	11	11	12	85.71%	
*58 S.Y.B.Physiotherapy—(Suppl.) (July)			2	—	—	2	2	—	—	—	—	—	—	—	—	1	1	1	50.00%	
*59 T.Y.B.Physiotherapy			9	—	1	8	9	—	—	—	1	1	—	—	—	7	7	8	88.88%	
60 F.Y. Diploma (CME)			447	4	443	—	443	—	47	133	75	255	—	—	—	—	—	255	57.69%	
61 S.Y. Diploma (CME)			370	6	364	—	364	—	59	86	105	250	—	—	—	—	—	250	68.68%	
62 Diploma in Civil Engineering			146	6	140	—	140	—	38	46	20	104	—	—	—	—	—	104	74.82%	
63 Dip. in Mechanical Engineering			154	8	146	—	146	—	39	50	19	108	—	—	—	—	—	108	75.00%	
64 Dip. in Mechanical Engineering (Under O.T.E. 155)			2	—	2	—	2	—	—	—	—	—	—	—	—	—	—	—	00.00%	
65 Diploma in Electrical Engineering			95	9	86	—	86	—	13	17	19	49	—	—	—	—	—	49	57.47%	
66 Diploma in Electrical Engineering (Under O.T.E. 162)			6	3	3	—	3	—	—	—	—	—	—	—	—	—	—	—	00.00%	
67 Diploma in Textile Chemistry			31	—	31	—	31	—	9	11	3	23	—	—	—	—	—	23	73.87%	
68 Diploma in Textile Chemistry (Under O.T.E. 184)			68	3	64	1	65	—	20	30	7	57	—	1	—	—	—	1	58	89.23%
69 Diploma in Textile Technology			30	1	29	—	29	—	8	10	5	23	—	—	—	—	—	—	23	82.14%
*70 I Sem. of S.Y. Dip. (CME)—EDC			104	7	97	—	97	—	—	—	19	19	—	—	—	—	—	—	19	19.79%
*71 II Sem. of S.Y. Dip. (CME)—EDC			116	4	112	—	112	—	8	3	27	38	—	—	—	—	—	—	38	35.18%

*No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
*72		I Sem. of D.C.E.—EDC	4	—	4	—	4	—	—	—	4	4	—	—	—	—	—	4	100.00%
*73		II Sem. of D.C.E.—EDC	15	—	15	—	15	—	3	2	5	10	—	—	—	—	—	10	66.67%
*74		I Sem. of D.M.E.—EDC	13	4	9	—	9	—	—	—	6	6	—	—	—	—	—	6	66.67%
*75		II Sem. of D.M.E.—EDC	30	4	26	—	26	—	3	8	8	19	—	—	—	—	—	19	73.07%
*76		I Sem. of D.E.E.—EDC	25	4	21	—	21	—	—	—	3	3	—	—	—	—	—	3	14.28%
*77		II Sem. of D.E.E.—EDC	34	11	23	—	23	—	2	1	6	9	—	—	—	—	—	9	39.13%
*78		I Sem. of F.Y. Dip. (OPF)	10	1	9	—	9	—	—	—	6	6	—	—	—	—	—	6	66.66%
*79		II Sem. of F.Y. Dip. (OPF)	41	—	41	—	41	—	8	19	5	32	—	—	—	—	—	32	78.04%
*80		I Sem. of S.Y. Dip. (OPF)	2	—	2	—	2	—	—	—	1	1	—	—	—	—	—	1	50.00%
*81		II Sem. of S.Y. Dip. (OPF)	37	—	37	—	37	—	9	18	3	30	—	—	—	—	—	30	85.71%
*82		I Sem. of T.Y. Dip. (OPF)	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100.00%
*83		II Sem. of T.Y. Dip. (OPF)	35	1	34	—	34	—	15	15	4	34	—	—	—	—	—	34	100.00%
*84		II Sem. of Final Year Dip. (OPF)	44	—	44	—	44	—	38	4	1	43	—	—	—	—	—	43	97.72%
*85		P.G. Dip. in Ref. and Air Cond.—Part I	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100.00%
*86		I Sem. of P.D. Dip. Ref. and Air Cond.	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100.00%
*87		II Sem. of P.D. Dip. Ref. and Air Cond.	8	1	7	—	7	—	4	2	1	7	—	—	—	—	—	7	100.00%
*88		II Sem. of P.D. Dip. in Automobile Engineering	3	—	3	—	3	—	1	2	—	3	—	—	—	—	—	3	100.00%
*89		I Sem. of P.D. Dip. in Construction Engineering	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100.00%
*90		II Sem. of P.D. Dip. in Construction Engineering	7	—	7	—	7	—	2	5	—	7	—	—	—	—	—	7	100.00%
*91		I Sem. of B.E. I (CME., Chem., Met.)	99	5	90	4	94	—	—	—	66	66	—	—	—	4	4	70	74.47%
*92		II Sem. of B.E. I (CME., Chem., Met.)	444	—	437	7	444	20	60	186	86	352	—	—	4	3	7	359	80.85%
*93		I Sem. of B.E. II (CME., Chem., Met.)	111	3	107	1	108	—	—	—	68	68	—	—	—	1	1	69	63.89%

*No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
*94		II Sem. of B.E. II (CME., Chem., Met.)	389	1	380	8	388	25	73	148	58	304	1	1	5	1	8	312	80.62%
*95		I Sem. of B.E. III (CME., Chem., Met.)	106	4	100	2	102	—	—	—	61	61	—	—	—	2	2	63	61.76%
*96		II Sem. of B.E. III (CME., Chem., Met.)	336	3	331	2	333	19	37	144	74	274	—	—	1	1	2	276	82.88%
*97		I Sem. of B.E. IV (CME., Chem., Met., Electro.)	41	—	41	—	41	—	—	—	34	34	—	—	—	—	—	34	82.89%
*98		II Sem. of B.E. IV (CME., Chem., Met., Electro.)	363	1	362	—	362	45	72	172	35	331	—	—	—	—	—	331	91.43%
*99		I Sem. of B.E. V (Mechanical)	10	—	10	—	10	—	—	—	10	10	—	—	—	—	—	10	100.00%
*100		I Sem. of B.E. V (Electrical)	5	—	5	—	5	—	—	—	5	5	—	—	—	—	—	5	100.00%
*101		I Sem. of B.E. V (Chemical)	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100.00%
*102		I Sem. of B.E. V (Metallurgy)	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	—	00.00%
*103		II Semester of B.E. V (Civil)	149	—	149	—	149	24	63	60	1	148	—	—	—	—	—	148	100.00%
*104		II Sem. of B.E. (Mechanical)	93	—	93	—	93	39	45	9	—	93	—	—	—	—	—	93	100.00%
*105		II Sem. of B.E. V (Electrical)	55	—	55	—	55	17	18	14	2	51	—	—	—	—	—	51	92.73%
*106		II Sem. of B.E. V (Chemical)	38	—	38	—	38	26	9	2	—	37	—	—	—	—	—	37	97.37%
*107		II Sem. of B.E. V (Metallurgy)	34	—	34	—	34	28	3	1	—	32	—	—	—	—	—	32	94.12%
*108		II Sem. of B.E. V (Electronics)	30	—	29	1	30	17	13	—	—	30	—	—	—	—	—	30	100.00%
*109		I Sem. of B.E. I (Electronics)	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	2	100.00%
*110		I Sem. of B.E. I (Electronics)	11	—	11	—	11	3	1	4	3	11	—	—	—	—	—	11	100.00%
*111		I Sem. of B.E. II (Electronics)	4	—	4	—	4	—	—	—	4	4	—	—	—	—	—	4	100.00%
*112		II Sem. of B.E. II (Electronics)	20	—	19	1	20	—	4	9	4	17	1	—	—	—	1	18	90.00%
*113		I Sem. of B.E. III (Electronics)	8	—	8	—	8	—	—	—	4	4	—	—	—	—	—	4	50.00%
*114		II Sem. of B.E. III (Electronics)	22	3	19	—	19	3	10	3	—	16	—	—	—	—	—	16	84.21%
*115		M.E. (Civil)—Part I	22	4	18	—	18	—	—	—	12	12	—	—	—	—	—	12	66.66%
*116		M.E. (Mech.)—Part I	9	—	9	—	9	—	—	—	8	8	—	—	—	—	—	8	88.88%
*117		M.E. (Elect.)—Part I	9	3	6	—	6	—	—	—	2	2	—	—	—	—	—	2	66.66%
*118		M.E. (Elect.)—Part I	9	3	6	—	6	—	—	—	2	2	—	—	—	—	—	2	66.66%

*No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
£119	M.E. (Met.)—Part I		1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100.00%
£120	M.E. (Civil)—Part II		4	—	4	—	4	—	—	—	3	3	—	—	—	—	—	3	75.00%
£121	M.E. (Mech.)—Part II		3	—	3	—	3	—	—	—	3	3	—	—	—	—	—	3	100.00%
£122	M.E. (Elect.)—Part II		2	1	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100.00%
£123	M.E. (Met.)—Part III		2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	00.00%
£124	M.E. (Civil)—Part III		11	47	—	—	—	—	—	—	7	7	—	—	—	—	—	7	100.00%
£125	M.E. (Mech.)—Part III		10	—	10	—	10	—	—	—	9	9	—	—	—	—	—	9	90.00%
£126	M.E. (Elect.)—Part III		5	—	5	—	5	—	—	—	5	5	—	—	—	—	—	5	100.00%
£127	M.E. (Met.)—Part III		2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	2	100.00%
128	M.E. (Civil)—Part IV		1	—	1	—	1	—	—	—	—	1	—	—	—	—	—	1	100.00%
129	M.E. (Mech.)—Part IV		2	—	2	—	2	—	—	—	—	2	—	—	—	—	—	2	100.07%
130	M.E. (Elect.)—Part IV		2	—	2	—	2	—	—	—	—	2	—	—	—	—	—	2	100.00%
131	M.E. (Met.)—Part IV		2	—	2	—	2	—	—	—	—	2	—	—	—	—	—	2	100.00%
£132	I Sem. of F.Text. (Engg. & Tech.)		43	2	41	—	41	—	—	—	21	21	—	—	—	—	—	21	51.29%
133	II Sem. of F.Text. (Engg. & Tech.)		75	—	74	1	75	1	4	25	32	62	—	1	—	—	—	63	84.00%
£134	I Sem. of S.Text. (Engg. & Tech.)		18	2	16	—	16	—	—	—	9	9	—	—	—	—	—	9	56.25%
135	II Sem. of S.Text. (Engg. & Tech.)		88	2	86	—	86	1	3	39	7	50	—	—	—	—	—	51	60.00%
£136	I Sem. of T.Text. (Engg.)		2	—	2	—	—	—	—	—	1	1	—	—	—	—	—	1	50.00%
£137	I Sem. of T.Text. (Tech.)		11	—	11	—	11	—	—	—	10	10	—	—	—	—	—	10	90.90%
138	II Sem. of T.Text. (Engg.)		18	—	18	—	18	—	3	10	4	17	—	—	—	—	—	17	94.44%
139	II Sem. of T.Text. (Tech.)		36	—	36	—	36	—	3	20	12	35	—	—	—	—	—	35	97.22%
140	II Sem. of B.Text. (Engg.)		5	—	5	—	5	2	—	—	2	4	—	—	—	—	—	4	80.00%
£141	I Sem. of B.Text. (Tech.)		2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	2	100.00%
142	II Sem. of B.Text. (Tech.)		40	—	40	—	40	5	3	29	1	38	—	—	—	—	—	38	95.00%
143	B.Text. (Tech.)—Old Course		3	—	3	—	3	—	—	—	—	—	—	—	—	—	—	3	33.33%
£144	M.Text. (Engg.)—Part I		4	—	4	—	4	—	—	—	3	3	—	—	—	—	—	3	75.00%
£145	M.Text. (Engg.)—Part III		5	—	5	—	5	—	—	—	5	5	—	—	—	—	—	5	100.00%
£146	M.Text. (Engg.)—Part IV		1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	1	100.00%
£147	I Sem. of M.Sc. (Applied Physics)		2	—	2	—	2	—	—	—	—	—	—	—	—	—	—	2	100.00%
£148	II Sem. of M.Sc. (Applied Physics)		9	—	7	—	7	—	—	—	6	6	—	—	—	—	—	6	85.07%

£No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
*149	III Sem. of M.Sc. (Applied Physics)		2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	—	2	100.00%
150	IV Sem. of M.Sc. (Applied Physics)		5	—	5	—	5	—	—	—	—	5	—	—	—	—	—	—	5	100.00%
*151	I Sem. of M.Sc. (Applied Maths.)		3	—	2	1	3	—	—	—	—	1	—	—	—	—	—	—	2	66.66%
*152	II Sem. of M.Sc. (Applied Maths.)		4	—	3	1	4	—	—	—	2	2	—	—	—	—	—	—	3	75.00%
*153	III Sem. of M.Sc. (Applied Maths.)		1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	00.00%
154	IV Sem. of M.Sc. (Applied Maths.)		5	—	4	1	5	—	2	—	—	2	—	—	—	—	—	—	3	75.00%
155	II Sem. of F.Y.B.Sc. (Tech.)—Text. Chem.		9	—	9	—	9	1	5	3	—	9	—	—	—	—	—	—	9	100.00%
*156	I Sem. of B.Pharm. I		1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	—	1	100.00%
157	II Sem. of B.Pharm. I		29	—	17	12	29	1	9	5	1	16	2	5	4	—	—	—	1	93.00%
158	II Sem. of B.Pharm. II		32	—	27	5	32	4	12	8	—	24	1	6	—	—	—	7	96.87%	
*159	I Sem. of B.Pharm. III		1	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1	10.00%
160	II Sem. of B.Pharm. III		33	—	26	7	33	17	9	—	—	26	4	2	—	—	—	6	97.00%	
161	II Sem. of Final Year B.Pharm.		27	—	21	6	27	2	17	2	—	21	2	4	—	—	—	6	100.0%	
*162	I Sem. of B.Arch. I		2	—	2	—	2	—	—	—	1	1	—	—	—	—	—	—	1	50.00%
163	II Sem. of B.Arch. I		38	—	23	15	38	—	2	15	4	21	—	2	5	6	13	34	89.47%	
*164	I Sem. of B.Arch. II		9	—	9	—	9	—	—	—	6	6	—	—	—	—	—	—	6	66.66%
165	II Sem. of B.Arch. II		38	—	28	10	38	—	5	6	9	20	—	—	8	—	—	8	73.68%	
*166	I Sem. of B.Arch. III		8	—	6	2	8	—	—	—	6	6	—	—	—	—	—	2	100.00%	
167	II Sem. of B.Arch. III		38	—	26	12	38	—	1	12	12	25	—	1	9	1	11	36	94.73%	
*168	I Sem. of B.Arch. IV		5	—	5	—	5	—	—	—	5	5	—	—	—	—	—	5	100.00%	
169	II Sem. of B.Arch. IV		45	—	34	11	45	—	2	14	11	27	1	2	4	1	8	35	77.77%	
*170	I Sem. of Final Year B.Arch.		2	—	2	—	2	—	—	—	1	1	—	—	—	—	—	—	1	50.00%
171	II Sem. of Final Year B.Arch.		39	—	28	11	39	1	4	18	1	24	1	2	8	—	—	35	89.74%	
172	B.Arch. (Old Course)		3	—	3	—	3	—	—	—	1	1	—	—	—	—	—	1	33.33%	
173	First LL.B. (General)—Old Course		187	38	144	5	149	—	—	6	74	80	—	—	1	2	3	83	55.70%	
174	Second LL.B. (General)—O. C.		185	45	133	8	141	—	1	39	12	52	—	4	11	5	5	57	40.42%	
175	LL.B. (Special)		104	7	78	19	97	—	—	31	21	52	—	1	10	5	16	68	71.03%	
*176	Diploma in Labour Laws (P.G.)		95	17	70	8	78	1	—	—	24	25	—	—	—	4	4	29	37.15%	
*177	P.G. Diploma in Taxation Laws		123	27	89	7	96	—	—	—	59	59	—	—	—	5	5	64	66.66%	
*178	LL.M.—Part I		39	2	37	—	37	—	—	—	14	14	—	—	—	—	—	14	37.83%	

*No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
*17			4	1	2	1	3	—	—	—	—	—	—	—	—	1	1	1	33.33%
18			255	53	140	62	202	—	1	16	96	113	—	2	4	35	41	154	76.23%
*19			45	15	29	1	30	—	—	—	17	17	—	—	—	1	1	18	60.00%
20			63	15	44	4	48	—	—	11	23	34	—	4	—	—	4	38	79.16%
21			4	1	3	—	3	—	—	—	1	1	—	—	—	—	—	1	33.33%
*22			1	—	1	—	1	—	—	—	1	1	—	—	—	2	2	2	100.00%
*23			3	—	—	3	3	—	—	—	—	—	—	—	—	2	2	2	66.66%
*24			2	—	—	2	2	—	—	—	—	—	—	—	—	2	2	2	100.00%
*25			5	—	5	—	5	—	—	—	2	2	—	—	—	—	—	2	40.00%
*26			12	—	6	6	12	—	—	—	6	6	—	—	5	5	5	11	91.66%
*27			8	2	5	1	6	—	—	—	2	2	—	—	1	1	1	3	50.00%
*28			2	—	1	1	2	—	—	—	1	1	—	—	1	1	1	2	100.00%
*29			1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100.00%
*30			3	—	3	—	3	—	—	—	3	3	—	—	—	—	—	3	100.00%
*31			3	—	3	—	3	—	—	—	2	2	—	—	—	—	—	2	66.66%
*32			1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100.00%
*33			5	—	5	—	5	—	—	—	2	2	—	—	—	—	—	2	40.07%
*34			2	—	2	—	2	—	—	—	1	1	—	—	—	—	—	1	50.00%
*35			7	—	—	7	7	—	—	—	—	—	—	—	7	7	7	7	100.00%
*36			1	—	—	1	1	—	—	—	—	—	—	—	1	1	1	1	100.00%
*37			143	1	119	23	142	—	—	—	103	103	—	—	19	19	19	122	85.92%
*38			14	—	12	2	14	—	—	—	9	9	—	—	2	2	2	11	78.57%
*39			166	1	147	18	165	—	—	—	104	104	—	—	16	16	16	120	72.72%
40			165	7	158	—	158	—	—	—	2	61	63	—	—	—	—	63	41.44%
41			102	4	98	—	98	—	—	—	44	44	—	—	—	—	—	44	44.09%
42			40	6	34	—	34	—	2	5	6	13	—	—	—	—	—	13	38.24%
43			43	6	37	—	37	—	2	2	8	12	—	—	—	—	—	12	38.24%
*44			1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00.00%

*No Class is awarded.

xx

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
*45			33	4	29	—	29	—	—	2	8	10	—	—	—	—	—	10	34.48%	
*46			2	—	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	00.00%
47			17	3	14	—	14	—	—	—	7	7	—	—	—	—	—	7	50.00%	
48			6	1	5	—	5	—	—	—	3	3	—	—	—	—	—	3	60.00%	
*49			176	21	155	—	155	—	—	—	58	58	—	—	—	—	—	58	37.42%	
50			41	7	34	—	34	—	—	—	11	11	—	—	—	—	—	11	32.35%	
*51			15	1	14	—	14	—	—	—	8	8	—	—	—	—	—	8	57.14%	
*52			36	5	31	—	31	—	—	—	17	17	—	—	—	—	—	17	56.66%	
*53			33	11	22	—	22	—	—	—	8	8	—	—	—	—	—	8	36.36%	
54			4	—	4	—	4	—	—	—	1	1	—	—	—	—	—	1	25.00%	
55			8	3	5	—	5	—	1	2	3	3	—	—	—	—	—	3	60.00%	
56			18	8	10	—	10	—	—	5	5	5	—	—	—	—	—	5	50.00%	
*57			49	3	46	—	46	—	—	—	31	31	—	—	—	—	—	31	67.39%	
58			8	—	8	—	8	—	—	—	6	6	—	—	—	—	—	6	75.00%	
*59			36	—	36	—	36	—	—	—	33	33	—	—	—	—	—	33	91.66%	
*60			7	1	6	—	6	—	—	—	5	5	—	—	—	—	—	5	83.33%	
*61			33	—	33	—	33	—	—	—	32	32	—	—	—	—	—	32	96.67%	
*62			1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00.00%	
*63			33	1	32	—	32	—	—	—	32	32	—	—	—	—	—	32	100.00%	
*64			7	—	7	—	7	—	—	—	6	6	—	—	—	—	—	6	85.71%	
65			1	—	1	—	1	—	1	—	—	—	—	—	—	—	—	—	100.00%	
*66			53	—	53	—	53	—	—	—	49	49	—	—	—	—	—	49	92.45%	
*67			36	2	34	—	34	—	—	—	32	32	—	—	—	—	—	32	96.97%	
*68			365	7	346	12	358	—	—	—	287	287	—	—	12	12	12	299	83.51%	

*No Class is awarded.

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
69		II Sem. of B.E. I (CME., Chem., Met.)	70	4	66	—	66	—	—	—	35	35	—	—	—	—	—	35	53.03%
*70		I Sem. of B.E. II (CME., Chem., Met.)	436	4	425	7	432	—	—	—	364	364	—	—	7	7	7	371	85.88%
71		II Sem. of B.E. II (CME., Chem., Met.)	60	2	58	—	58	—	—	—	29	29	—	—	—	—	—	29	50.00%
*72		I Sem. of B.E. III (CME., Chem., Met.)	404	4	392	8	400	—	—	—	279	279	—	—	6	6	6	285	71.25%
73		II Sem. of B.E. III (CME., Chem., Met.)	41	1	40	—	40	—	—	—	17	17	—	—	—	—	—	17	42.50%
*74		I Sem. of B.E. IV (CME., Chem., Met, Electro.)	324	4	316	4	320	—	—	—	291	291	—	—	3	3	3	294	91.87%
75		II Sem. of B.E. IV (CME., Chem., Met., Electro.)	31	1	30	—	30	—	—	—	18	18	—	—	—	—	—	18	60.00%
*76		I Sem. of B.E. V (Civil)	132	1	131	—	131	—	—	—	125	125	—	—	—	—	—	125	95.41%
*77		I Sem. of B.E. V (Mech.)	89	—	89	—	89	—	—	—	89	89	—	—	—	—	—	89	100.00%
*78		I Sem. of B.E. V (Elect.)	53	—	53	—	53	—	—	—	50	50	—	—	—	—	—	50	94.33%
*79		I Sem. of B.E. V (Chem.)	36	3	33	—	33	—	—	—	32	32	—	—	—	—	—	32	96.96%
*80		I Sem. of B.E. V (Met.)	26	1	25	—	25	—	—	—	24	24	—	—	—	—	—	24	96.00%
*81		I Sem. of B.E. V (Electro.)	25	—	24	1	25	—	—	—	24	24	—	1	1	1	1	25	100.00%
82		II Sem. of B.E. V (Civil)	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100.00%
83		II Sem. of B.E. V (Elect.)	4	—	4	—	4	—	—	—	2	1	3	—	—	—	—	3	75.00%
*84		I Sem. of Final B.E. (Civil)—P.T.D.	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100.00%
85		II Sem. of Final B.E. (Civil)—P.T.D.	24	—	24	—	24	8	10	6	—	24	—	—	—	—	—	24	100.00%
86		II Sem. of Final B.E. (Mech.)—P.T.D.	3	—	3	—	3	1	2	—	—	3	—	—	—	—	—	3	100.00%
87		II Sem. of Final B.E. (Elect.)—P.T.D.	3	—	3	—	3	3	—	—	—	3	—	—	—	—	—	3	100.00%
*88		I Sem. of B.E. I (Electronics)	21	—	21	—	21	—	—	—	20	20	—	—	—	—	—	20	95.24%
*89		I Sem. of B.E. II (Electronics)	12	—	12	—	12	—	—	—	7	7	—	—	—	—	—	7	58.33%
90		II Sem. of B.E. II (Electronics)	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	2	100.00%
*91		I Sem. of B.E. III (Electronics)	23	—	22	1	23	—	—	—	17	17	—	—	—	1	1	18	78.26%
92		II Sem. of B.E. III (Electronics)	6	—	6	—	6	—	2	2	1	5	—	—	—	—	—	5	83.33%

*No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
*93		M.E. (Civil)—Part I	33	—	33	—	33	—	—	—	—	13	13	—	—	—	—	13	39.39%
*94		M.E. (Mech.)—Part I	11	—	11	—	11	—	—	—	—	10	10	—	—	—	—	10	98.19%
*95		M.E. (Elect.)—Part I	13	1	12	—	12	—	—	—	9	9	—	—	—	—	—	9	75.00%
*96		M.E. (Met.)—Part I	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100.00%
*97		M.E. (Civil)—Part II	15	1	14	—	14	—	—	—	12	12	—	—	—	—	—	12	85.71%
*98		M.E. (Mech.)—Part II	9	—	9	—	9	—	—	—	9	9	—	—	—	—	—	9	100.00%
*99		M.E. (Elect.)—Part II	6	2	4	—	4	—	—	—	1	1	—	—	—	—	—	1	25.00%
*100		M.E. (Met.)—Part II	3	—	3	—	3	—	—	—	3	3	—	—	—	—	—	3	100.00%
*101		M.E. (Civil)—Part III	3	—	3	—	3	—	—	—	3	3	—	—	—	—	—	3	100.00%
*102		M.E. (Elect.)—Part III	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00.00%
103		M.E. (Civil)—Part IV	13	5	8	—	8	2	4	2	—	8	—	—	—	—	—	8	100.00%
104		M.E. (Mech.)—Part IV	4	—	4	—	4	1	2	1	—	4	—	—	—	—	—	4	100.00%
*105		I Sem. of F.Text. (Engg. & Tech.)	98	2	96	—	96	—	—	—	65	65	—	—	—	—	65	67.70%	
106		II Sem. of F.Text. (Engg. & Tech.)	11	3	8	—	8	—	—	—	8	8	—	—	—	—	—	8	100.00%
*107		I Sem. of S.Text. (Engg. & Tech.)	86	8	78	—	78	—	—	—	59	59	—	—	—	—	—	59	75.64%
108		II Sem. of S.Text. (Engg. & Tech.)	37	5	32	—	32	—	—	—	19	19	—	—	—	—	—	19	59.29%
109		I Sem. of T.Text. (Engg.)	38	1	37	—	37	—	—	—	32	32	—	—	—	—	—	32	86.48%
*110		I Sem. of T.Text. (Tech.)	40	—	40	—	40	—	—	—	29	29	—	—	—	—	—	29	72.05%
111		II Sem. of T.Text. (Tech.)	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00.00%
*112		I Sem. of B.Text. (Engg.)	19	—	19	—	19	—	—	—	16	16	—	—	—	—	—	16	85.25%
*113		I Sem. of B.Text. (Tech.)	36	—	36	—	36	—	—	—	29	29	—	—	—	—	—	29	80.50%
114		II Sem. of B.Text. (Engg.)	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100%
115		II Sem. of B.Text. (Tech.)	3	—	3	—	3	—	—	—	2	2	—	—	—	—	—	2	66.66%

*No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
£116 M.Text. (Engg.)—Part I	4	1	3	—	3	—	3	—	—	—	3	3	—	—	—	—	—	3	100.00%
£117 M.Text. (Engg.)—Part II	4	—	4	—	4	—	4	—	—	—	4	4	—	—	—	—	—	4	100.00%
118 M.Text. (Engg.)—Part IV	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	00.00%
£119 I Sem. of M.Sc. (Applied Physics)	11	1	8	2	10	—	10	—	—	—	8	8	—	—	2	2	10	100.00%	
£120 II Sem. of M.Sc. (Applied Physics)	2	—	2	—	—	—	2	—	—	—	2	2	—	—	—	—	—	2	100.00%
£121 III Sem. of M.Sc. (Applied Physics)	8	1	7	—	—	—	7	—	—	—	5	5	—	—	—	—	—	5	71.40%
£122 II Sem. of M.Sc. (Applied Maths.)	4	—	3	1	4	—	4	—	—	—	1	1	—	—	1	1	—	2	50.00%
123 IV Sem. of M.Sc. (Applied Maths.)	1	—	1	—	—	—	1	—	—	—	1	1	—	—	—	—	—	1	100.00%
£124 I Sem. of F.Y.B.Sc. (Tech.)— Text. Chemistry	8	—	8	—	8	—	8	—	—	—	8	8	—	—	—	—	—	8	100.00%
£125 I Sem. of S.Y.B.Sc. (Tech.)— Text. Chemistry	9	—	9	—	9	—	9	—	—	—	9	9	—	—	—	—	—	9	100.00%
£126 I Sem. of B.Pharm. I	33	—	18	15	33	—	33	—	—	—	18	18	—	—	14	14	—	32	97.00%
127 II Sem. of B.Pharm. I	2	—	1	1	2	—	2	—	—	—	1	1	—	—	1	1	—	2	100.00%
£128 I Sem. of B.Pharm. II	30	—	17	13	30	—	30	—	—	—	17	17	—	—	13	13	—	30	100.00%
£129 I Sem. of B.Pharm. III	32	—	25	7	32	—	32	—	—	—	25	25	—	—	7	7	—	32	100.00%
130 II Sem. of B.Pharm. III	1	—	—	1	1	—	1	—	—	—	—	—	—	—	1	1	—	1	100.00%
£131 I Sem. of Final B.Pharm.	33	—	26	7	33	—	33	—	—	—	24	24	—	—	7	7	—	31	93.93%
£132 I Sem. of B.Arch. I	36	—	29	7	36	—	36	—	—	—	26	26	—	—	6	6	—	32	88.88%
133 II Sem. of B.Arch. I	4	—	2	2	4	—	4	—	—	—	—	—	—	—	2	2	—	2	50.50%
£134 I Sem. of B.Arch. II	40	—	27	13	40	—	40	—	—	—	23	23	—	—	13	13	—	36	90.00%
135 II Sem. of B.Arch. II	10	—	8	2	10	—	10	—	—	—	4	4	—	—	1	1	—	5	50.00%
£136 I Sem. of B.Arch. III	36	—	25	11	36	—	36	—	—	—	19	19	—	—	10	10	—	29	80.55%

£No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
137 II Sem. of B.Arch. III	2	—	1	1	2	—	2	—	—	—	—	—	—	—	—	1	1	1	50.00%
£138 I Sem. of B.Arch. IV	35	—	23	12	35	—	35	—	—	—	18	18	—	—	11	11	29	82.85%	
139 II Sem. of B.Arch. IV	10	—	7	3	10	—	10	—	—	—	5	5	—	—	—	1	1	6	60.00%
£140 I Sem. of Final Year B.Arch.	42	—	32	10	42	—	42	—	—	—	27	27	—	—	9	9	36	85.71%	
141 II Sem. of Final Year B.Arch.	2	1	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100.00%
£142 Second LL.B. (General)	117	23	92	2	94	—	94	—	—	—	15	24	39	—	—	1	1	40	43.00%
143 LL.B. (Special)	36	12	21	3	24	—	24	—	—	—	4	8	12	—	1	1	2	14	58.33%
£144 Diploma in Labour Laws	33	8	24	1	25	—	25	—	—	—	6	6	—	—	—	—	—	6	24.00%
£145 Diploma in Taxation Laws	36	11	24	1	25	1	25	1	—	—	9	10	—	—	—	—	—	10	40.00%
£146 LL.M.—Part I	19	8	11	—	11	—	11	—	—	—	2	2	—	—	—	—	—	2	18.18%
147 LL.M.—Part II	9	1	8	—	8	—	8	—	—	—	1	1	—	—	—	—	—	1	12.05%
£148 M.Sc. (Home)	5	—	—	5	5	—	5	—	—	—	—	—	—	—	—	—	—	5	100.00%
149 B.Sc. (Home)	10	—	—	10	9	—	9	—	—	—	—	—	—	—	—	—	—	9	90.00%
£150 P.G. Dip. in Pre-School Education	1	—	—	1	1	—	1	—	—	—	—	—	—	—	—	—	—	1	100.00%
£151 P.G. Diploma in Dietetics	1	—	—	1	1	—	1	—	—	—	—	—	—	—	—	—	—	1	100.00%
152 M.S.W.	5	1	4	—	4	—	4	—	—	—	4	4	—	—	—	—	—	4	100.00%
£153 Dip. in Industrial Relations and Personnel Management	16	—	16	—	16	—	16	—	—	—	—	—	—	—	—	—	—	16	100.00%
£154 Ph.D. (Arts)	2	—	2	—	2	—	2	—	—	—	—	—	—	—	—	—	—	2	—
£155 Ph.D. (Science)	14	—	8	6	14	—	14	—	—	—	—	—	—	—	—	—	—	6	14
£156 Ph.D. (Education and Psychology)	3	—	2	1	3	—	3	—	—	—	—	—	—	—	—	—	—	1	3
£157 Ph.D. (Commerce)	2	—	1	1	2	—	2	—	—	—	—	—	—	—	—	—	—	1	2

For Ph.D. Theses—Information given from 1-10-1977 to 31-1-1978.

£No Class is awarded. §Passed with A Grade. †Passed with B Grade. ‡Passed with C Grade.

CAPITAL ACCOUNTS

I—University General Fund

(Subject to Audit)

1977-78

Receipts	Rs. P.		Payments		Rs. P.	
Opening Balance as on 1-4-1977	9,83,648-99		Building Works		5,25,523-95	
Interest			Advance to Press		—	
Loan for construction of Buildings from Government of India, Ministry of Education and Youth Services, New Delhi for the construction of a Students' Hostel for 140 students under the Scheme of Introduction of Post-graduate courses in Technology and Engineering	3,50,000-00		Purchase of Furniture, Equipment etc.		512-64	
Grant from the State Government for Water Supply Scheme in the University Campus	—		Closing Balance		8,85,538-54	
Grant from the State Government towards works of original nature approved by the Government	—					
Total	14,11,575-13				14,11,575-13	

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II—Ayurvedic Research Fund

(Subject to Audit)

1977-78

Receipts	Rs. P.		Payments		Rs. P.	
Opening Balance as on 1-4-1973	11,51,692-80		Amount transferred towards the excess recurring expenditure over the State Government grant for Sheth U.P.A.R. Unit		61,172-14	
Interest	1,11,065-94		Closing Balance		12,01,586-60	
Total	12,62,758-74				12,62,758-74	

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III—Post-graduate Instruction and Research Fund

(Subject to Audit)

1977-78

Receipts	Rs.	P.	Payment	Rs.	P.
Opening Balance as on 1-4-1977	40,56,175	46	(i) Expenditure on Research Schemes (including Research Assistants)	52,458	32
Interest	4,04,711	94	(ii) Two Post-Doctoral Fellowships @Rs. 400/- p.m. each and contingency grant @Rs. 1,000/- p.a. each	3,661	40
			(iii) 12 Scholarships of Rs. 250/- p.m. each and contingent grants of Rs. 500/- p.a. per scholar	19,689	98
			(iv) Amount transferred towards the expenditure on the introduction of Post-graduate courses in Technology and Engineering	—	—
			(v) Closing Balance	43,85,077	70
Total	44,60,887	40	Total	44,60,887	40

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REVENUE ACCOUNTS

(Subject to Audit)

1977-78

Appendix IX

Sr. No.	Particulars	Receipts			Particulars	Disbursements	
		Rs.	P.	No.		Rs.	P.
1	2	3	1	2	3		
I (A)	Grants from the State Government			I Administration	10,66,623	63	
	(1 to 2)	2,20,57,190	00	II Examination Charges (1 to 13)	10,42,632	11	
(1)	Block Grant from the State Government	1,34,15,000	00	III Publications	62,246	46	
(2)	Additional Block Grants from the State Government	86,42,190	00	IV Remuneration to Lecturers	—		
(a)	Towards the expenditure on Development Plan Schemes which have completed five years or stipulated period and hence become 100% liability of the State Government			V Travelling Allowance	70,368	72	
(b)	100% Grants towards the additional expenditure on the increase in rates of Dearness Allowance, House Rent Allowance and Compensatory Local Allowance during the currency of the triennium			VI Printing, Stationery and Postage	1,53,194	39	
				VII Interest on Bank Overdraft and Loans and Repayment of Loans	7,18,112	99	
				VIII Maintenance of Buildings and Roads (including Residential Quarters and N.C.C. Buildings)	5,41,386	62	
				IX Maintenance of Gardens	92,751	20	
				X Games, Sports and Students' Welfare and Other Activities	7,60,910	89	
				XI Miscellaneous (A, B and C)	2,66,721	72	

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1	2	3	1	2	3
(c)	3½% Grant on the Wage Bill of the preceding year on a cumulative basis during each year of the triennium for annual increments etc.	6,42,190-00	(A) Memberships and Contributions		18,966-88
(d)	Towards Insurance Charges on Insurance of Buildings, Equipment and Books	—	(B) Office Equipment		47,922-80
(e)	Towards filling up of vacant posts (Subject to State Government's approval)	—	(C) Other Items		1,99,831-95
(f)	Towards the approved works of Special Repairs to University Buildings	—	XII Faculties and Institutions		3,05,87,162-09
(g)	Towards the revision of salary University Teachers from 1-1-1973 under Fifth Five Year Plan and increase in the rates of Dearness Allowance and other Allowances	80,00,000-00	Faculties :		
(B)	Grant from the University Grants Commission towards the Grants Commission Unit in the University	14,000-00	(a) Faculty of Arts		33,26,073-86
(A)	Academic :		(b) Faculty of Science		65,88,527-37
(i)	<i>Tuition Fees and Miscellaneous Income from Faculties and Institutions</i>	83,81,118-29	(c) Faculty of Edu. and Psy.		15,78,533-12
			(d) Faculty of Commerce		14,32,076-92
			(e) Faculty of Tech. and Engg.		80,86,445-83
			(f) Faculty of Law		3,79,779-30
			(g) Faculty of Fine Arts		12,35,561-51
			(h) Faculty of Home Science		18,98,186-84
			(i) Faculty of Social Work		5,39,763-29
			Institutions :		
			(j) Oriental Institute		3,36,242-04
			(k) College of Indian Music, Dance and Dramatics		12,45,112-82
			(l) Preparatory Unit—Arts and Commerce		1,12,407-25
			(m) Preparatory Unit—Science		62,703-07
			(n) Sanskrit Mahavidyalaya		2,16,536-98

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1	2	3	1	2	3
(a)	Faculty of Arts	11,07,751-75	(o) Shri M. K. Amin Arts and Science College and College of Commerce, Padra		8,42,911-64
(b)	Faculty of Science	9,15,196-12	(p) Polytechnic		
(c)	Faculty of Education and Psychology	3,68,919-00	(q) (Diploma Courses in Civil, Mechanical and Electrical Engineering and Petro-chemicals)		24,23,445-03
(d)	Faculty of Commerce	11,23,009-00	(r) Extended Diploma Courses in Civil, Mechanical and Electrical Engineering		97,761-00
(e)	Faculty of Technology and Engg.	13,96,771-69	(r) Centre of Advanced Study in Education		1,85,094-22
(f)	Faculty of Law	4,33,692-00	XIII (a) Smt. Hansa Mehta (University) Library		9,34,255-83
(g)	Faculty of Fine Arts	97,582-28	XIV University Guest House		32,075-64
(h)	Faculty of Home Science	4,44,046-23	XV University Auxiliary Services		11,30,008-61
(i)	Faculty of Social Work	71,683-46	(a) M. S. University of Baroda Press (Sadhana Press)		7,58,134-00
			(b) M. S. University Stationery Unit		3,30,475-74
			(c) M. S. University Publication Sales Unit		41,398-87
(j)	College of Indian Music, Dance and Dramatics	80,253-25	XVI Halls of Residence for Students		18,05,317-16
(k)	Sanskrit Mahavidyalaya	63-45			
(l)	Shri M. K. Amin Arts and Science College and College of Commerce, Padra	3,07,712-00			
(m)	Polytechnic				
(n)	(Diploma courses in Civil, Mechanical and Electrical Engineering and Model Diploma Courses in Petro-chemicals)				
	Extended Diploma Courses in Civil, Mechanical and Electrical Engg.				

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1	2	3	1	2	3
			XVII	Sheth U. P. Ayurvedic Research Unit	93,472-09
(ii)	Fees for Enrolment etc.:		XVIII	Net Expenditure on Development Scheme which have completed the Matching Share Period	—
(a)	For Enrolment Certificates	18,690-00			
(b)	For Post-graduate Registration	4,930-00			
(B)	Examination Fees	12,12,112-11			
(C)	Other Fees	4,01,818-00			
III	Income from Halls of Residence for Students	8,66,208-82			
IV	Income from Buildings, Lands and Other Properties	7,44,305-95			
V	Health Services—University Health Centre	13,754-20			
VI	University Auxiliary Services (a+b+c)	10,73,908-37			
(a)	Income from M. S. University of Baroda Press (Sadhana Press)	5,95,726-25			
(b)	Income from M. S. University Stationery Unit	3,40,362-40			
(c)	Income from Publications	1,37,819-72			
VII	Miscellaneous Receipts	3,02,577-69			
VIII	Seeth U. P. Ayurvedic Research Unit	93,472-09			
(1)	State Government Grant	30,000-00			
(2)	Income from Out-patient Ward	2,299-95			

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1	2	3	1	2	3
(3)	Excess Recurring Expenditure met from Ayurvedic Research Fund	61,172-14			
IX	Refunded of Insurance Premium of insurance of Buildings, Equipments, Books etc,	39,881-14			
	Total	3,35,86,416-55			
Add : Excess of Disbursements over Receipts i.e. DEFICIT		57,70,823-60			

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Grand Total 3,93,57,240-15Grand Total 3,93,57,240-15

THE MAHARAJA SAYAJIRAO
Statement of Students residents

Faculty/Institution	Shri K. M. Munshi Hall	Shri Manubhai Mehta Hall	Shri Maharshi Arvind Hall	Shri Sardar Patel Hall	Professor T. K. Gajjar Hall	Dr. Jivraj Mehta Hall	Lal Bahadur Shastri Hall
1	2	3	4	5	6	7	8
Preparatory Science	4	1	7	2	2	1	5
Preparatory Arts and Commerce	1	—	—	—	—	—	—
Arts	1	9	2	4	11	6	18
Commerce	12	13	11	11	17	15	7
Science	22	12	58	30	22	19	17
Education and Psychology	—	2	—	—	4	—	3
Technology and Engineering	70	110	76	95	112	89	54
Polytechnic	6	12	5	17	13	6	12
Medicine	31	5	13	9	10	30	6
Social Work	2	1	—	—	—	1	—
Fine Arts	9	4	6	13	9	12	10
Music	—	—	—	—	1	—	—
Law	1	4	1	4	5	2	5
Padra College	1	8	5	2	—	9	4
I.A.S.	—	—	—	—	—	—	—
Home Science	—	—	—	—	—	—	—
Grand Total	160	181	184	187	206	190	141

UNIVERSITY OF BARODA

during 1977-78

Shri Narsaranji Vakil Hall	Shri Rabindranath Tagore Hall	Shri M. Vishvesaraya Hall	Siddharaj Jayasinh Hall	V. S. Hall	Boys Total	Smt. Sarojini Devi Hall	Smt. Hansa Mehta Hall	Pandita Gargi Hall	Kasturba Gandhi Hall	Girls Total	Grand Total
9	10	11	12	13	14	15	16	17	18	19	20
3	6	9	5	—	45	—	—	2	—	2	47
—	4	1	3	—	9	1	—	—	3	4	13
11	4	18	6	17	107	14	24	19	12	69	176
12	22	18	26	5	169	8	6	18	3	35	204
20	33	31	29	53	346	33	33	32	14	112	458
1	1	2	2	13	28	10	17	4	1	32	60
74	152	101	132	23	1088	6	7	7	—	20	1108
17	62	68	84	—	302	—	—	—	—	—	302
6	18	12	11	4	155	24	16	8	2	50	205
—	—	—	3	9	16	9	—	3	—	12	28
9	2	11	12	8	105	20	12	15	8	55	160
—	—	2	5	—	8	6	2	—	—	8	16
7	12	1	7	—	49	2	3	4	—	9	58
—	6	1	2	—	38	—	—	—	1	1	39
—	—	—	—	—	8	—	—	—	—	—	8
—	—	—	—	—	—	95	77	88	57	317	317
160	322	275	327	140	2473	228	197	200	101	726	3199

Grants for Development and Research Scheme—1977-78

Sr. No.	Name of the Agency	Grant	
		Rs.	P.
1.	University Grants Commission	29,29,567	85
2.	Ministry of Education, Government of India	4,29,081	17
3.	Council of Scientific and Industrial Research	10,733	21
4.	Indian Council of Social Science Research	17,984	51
5.	Government of Gujarat (Matching Grant)	7,86,232	40
6.	Government of Gujarat (Research and Other Schemes)	2,58,323	98
7.	United States Departments of Agriculture (AM-PL-480 Programmes)	1,68,422	00
8.	Gujarat Electricity Board	7,000	00
9.	Central Social Welfare Board	1,08,828	40
10.	National Council of Educational Research and Training	40,000	00
11.	Indian Council of Agricultural Research	6,000	00
12.	Ministry of Defence Research and Development Organisation	1,145	60
13.	Indian Council of Historical Research	3,500	00
14.	Ministry of Health	1,36,200	00
15.	Jyoti Limited, Baroda	25,000	00
16.	Indian Council of Cultural Relations	1,000	00
17.	Inter-University Board National Sports Organisation Scholarship N.S.O. Programme	1,000	00
18.	Grant from Sardar Patel University	4,000	00
19.	Grant from Government of India Space Applications Centre	21,490	00
20.	Indian Council of Medical Research	4,810	00
Total		49,60,319	12

NOT TO BE ISSUED

REFERENCE COLLECTION
Smt. Hansa Mehta Library
BARODA