

27

M.S. University of Baroda

Twenty Seventh
Annual Report

1975-76

REFERENCE COLLECTION
SMT HANSA MEHTA LIBRARY
BARODA.

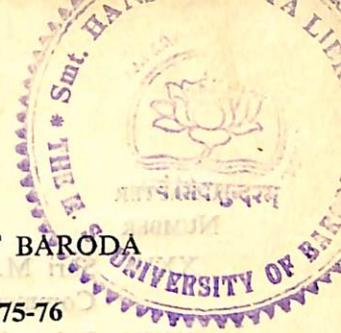
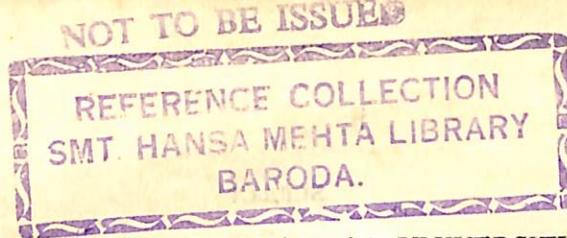
The Maharaja Sayajirao University
of Baroda

TWENTY-SEVENTH ANNUAL REPORT

1975-76



BARODA



THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

TWENTY-SEVENTH ANNUAL REPORT, 1975-76

(1st April, 1975 to 31st March, 1976)

CONTENTS

CHAPTER NUMBER	SUBJECT	PAGES
	Introduction	1
I	General	6
II	Officers of the University	14
III	The Syndicate and the Senate	16
IV	Other Authorities of the University	20
V	Other Boards and Committees	39
VI	Research Work in the University	46
VII	Visiting Lecturers	52
VIII	Faculty of Arts	56
IX	Faculty of Science	73
X	(A) Faculty of Education and Psychology	92
	(B) University Experimental School	105
XI	Faculty of Commerce	109
XII	Faculty of Medicine :	
	(A) Medical College	111
	(B) Sheth Ujamshi Pitambardas Ayurvedic Research Unit	118
XIII	Faculty of Technology and Engineering	119
XIV	Faculty of Fine Arts	129
XV	Faculty of Home Science	137
XVI	Faculty of Social Work	139
XVII	Faculty of Law	144
XVIII	Oriental Institute	146
XIX	College of Indian Music, Dance and Dramatics	153
XX	Baroda Sanskrit Mahavidyalaya	155
XXI	Preparatory Unit—Arts and Commerce	161
XXII	Preparatory Unit—Science	162

CHAPTER NUMBER	SUBJECT	PAGES
XXIII	Shri M. K. Amin Arts and Science College and College of Commerce, Padra.. .. .	163
XXIV	Polytechnic	166
XXV	Centre for Continuing/Adult Education and Community Services	168
XXVI	Shrimati Hansa Mehta Library	169
XXVII	The M. S. University of Baroda Press	173
XXVIII	The Maharaja Sayajirao University Union	176
XXIX	General Education Centre	177
XXX	Students' Welfare Activities	179

Appendices

I	Number of University Students	i
II	Number of Non-University Students	ii
III	List of Degrees and Diploma conferred at the Annual and Supplementary Convocations during the year 1975-76	iii
IV	Number of Teachers	v
V	List of Candidates qualifying for the Ph.D. Degree in 1975-76	vi
VI	Result of University Examinations held in April/May, 1974	x
VII	Results of University Examinations held in October/November, 1975	xx
VIII	Capital Accounts	xxvi
IX	Revenue Accounts	xxix
X	Grants for Development and Research Schemes in 1975-76	xxxvi
XI	Number of Students admitted in various Halls of Residence during 1975-76	xxxiv



His Highness the Maharaja Sir Sayajirao Gaekwad of Baroda

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA



TWENTY-SEVENTH ANNUAL REPORT, 1975-76 INTRODUCTION

Conceived in 1925 by the Baroda University Commission appointed by Maharaja Sayajirao III, the establishment of the M. S. University in 1949 would appear to have been inevitable with the expansion of higher education in Baroda. 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 reorganised 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 1975-76, it had 21,138 University students and 1,604 non-University students. The following table gives the student enrolment figures for the year 1971-72 to 1975-76:

Year	Total enrolment	Percentage increase/decrease
1971-72	16,590	4.0
1972-73	17,986	7.8
1973-74	18,551	3.1
1974-75	23,740	27.9
1975-76	21,138	-10.9

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 1975-76:

	1950-51		1960-61		1970-71		1975-76	
	Men	Women	Men	Women	Men	Women	Men	Women
	%	%	%	%	%	%	%	%
Arts	72.1	27.9	65.7	34.3	47.5	62.5	59.9	40.1
Science	—	—	87.5	12.5	72.2	27.8	70.3	29.7
Education and Psychology	87.2	12.8	63.0	37.0	30.7	60.3	40.4	59.6
Commerce	—	—	82.6	17.4	82.6	17.4	74.6	25.4
Medicine	89.8	10.2	82.6	17.4	84.0	16.0	83.0	17.0
Technology and Engineering	99.6	0.4	99.0	1.0	97.7	2.3	97.0	3.0
Fine Arts	—	—	83.6	16.4	73.0	27.0	72.2	27.8
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	69.7	30.3
Law	—	—	—	—	89.5	10.5	87.5	12.5
College of Indian Music, Dance and Dramatics	80.0	20.0	63.3	36.7	44.1	55.9	53.1	46.9
Baroda Sanskrit Mahavidyalaya	—	—	85.7	14.3	80.0	20.0	88.6	11.4
Preparatory Units	—	—	80.7	19.3	75.2	24.8	99.9	0.1
Polytechnic	—	—	99.6	0.4	99.4	0.6	99.8	0.2
Shri M. K. Amin Arts & Science College and College of Commerce, Padra	—	—	—	—	90.8	9.2	88.6	11.4

Student Enrolment in Post-graduate Courses has shown a steady rise from 1950-51. It was 304 to start with and reached 2,234 in 1975-76.

In 1950-51 there were 2,161 undergraduate students in the different faculties and institutions of the University. The figure for 1975-76 is 16,248.

Percentage of Student Enrolment

Faculty	1971-72	1972-73	1973-74	1974-75	1975-76
Arts	12.9	12.2	12.3	14.7	13.2
Science	9.5	9.0	8.7	8.5	7.7
Education and Psychology	2.7	2.5	2.5	1.8	2.2
Commerce	14.7	15.4	16.0	17.4	17.0
Medicine	4.6	4.4	4.2	3.7	4.2
Technology and Engineering	15.8	14.5	14.4	12.7	13.8
Fine Arts	1.3	1.3	1.3	1.2	1.4
Home Science	4.7	4.6	3.8	3.5	4.5
Social Work	0.6	0.5	0.5	0.4	0.5
Law	4.5	4.9	5.8	8.2	5.5
Preparatory Unit—Arts & Commerce	9.4	8.8	8.6	9.0	10.0
Preparatory Unit—Science	6.4	5.4	5.8	5.0	5.7
M. K. Amin Arts and Science College and College of Commerce, Padra	4.8	8.1	7.4	4.6	4.9
College of Indian Music, Dance and Dramatics	0.5	0.5	0.5	0.4	0.4
Sanskrit Mahavidyalaya	0.3	0.3	0.3	0.3	0.3
Polytechnic	7.3	7.2	7.9	8.6	8.7
	100.00	100.00	100.00	100.00	100.00

University Teachers

University Teachers and the Staff-Student Ratio: The total number of teachers (including Teaching Assistants, Assistant Lecturers, Senior/Junior Instructors, Honorary, Research and Part-time Lecturers) in the Faculties and Institutions of the University during the year under report is 1,012 (including 129 teachers of the Medical College) as against the total student enrolment of 21,138. This gives an over-all teacher-student ratio of 1:20.9. The strength of University teachers and staff-student ratio over the last five years is indicated below:

Year	No. of University Teachers	Students Enrolment	Staff-Student Ratio
1971-72	914	16,590	1:18.1
1972-73	954	17,986	1:18.9
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

Hostel and Health Services

Halls of Residence: With the rapid increase in student enrolment, the pressure of demand from students for residential accommodation in the University Halls of Residence has been on the increase. 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 13 Halls for men and 4 for women students. There were 2,676 men students and 771 women students in different halls. The percentage of students residing in the University hostels works out to 16.3. The corresponding figures for the five years are as under:

	Students residing in Hostels			Percentage of Resident Students to the Total Enrolment		
	Men	Women	Total	Men	Women	Total
1971-72	2,358	871	3,229	14.2	5.2	19.4
1972-73	2,368	844	3,212	13.1	4.7	17.8
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

Health Service: The University staff, their families and the students and 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.

No. of Cases Treated

Year	Staff and their families	%	Students	%	Total Cases	Daily average attendance
1971-72	10,764	33.1	21,807	66.9	32,571	90.2
1972-73	10,638	32.5	22,115	67.5	52,753	89.3
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

Noticing the difficulties of the employees staying outside the Campus area in taking advantage of the Health Centre, the University has provided health facilities to these employees, at two Centres (established in 1973-74)—one near Kothi and the other in Bajawada and Pratapnagar localities. The number of attendance at these centres was 7,620 in 1975-76.

Developments

During the year under report, 3 new courses viz. M.E. in Metallurgical Engineering, Diploma in Production Engineering and Diploma in Industrial Electronics were started.

The development activities during the preceding years are described in the twenty-six Annual Reports that have been published so far. This the twenty-seventh Annual Report covers the period from 1st April, 1975 to 31st March, 1976 and is submitted to the Senate in accordance with Section 24(2) of the Maharaja Sayajirao University of Baroda Act as amended upto date.

CHAPTER I—GENERAL

1. Institutions in the University

Constituent and Recognised Institutions (Under Section 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 21,138 (15,819 men students and 5,319 women students) and that of non-University students was 1,604 (1,015 men students and 589 women students). The details of the students are given in Appendices I and II.

3. Special Features of the year

(1) Convocations :

(i) The twenty-fifth Annual Convocation was held on 6th December, 1975. Shri Fatehsinhrao P. Gaekwad, Chancellor presided and also delivered the Convocation address. 3,440 degrees and diplomas were conferred.

(ii) The sixteenth Supplementary Convocation was held on 28th March, 1976. The Vice-Chancellor presided over the Convocation. 432 degrees and diplomas were conferred.

The details about the award of degrees and diplomas at the above Convocations are given in Appendix III.

(2) New Developments :

The University started the following new Courses:

(i) Two year Course leading to the Post-graduate degree M.E. in Metallurgical Engineering at the Faculty of Technology and Engineering.

(ii) Three Year Diploma Courses in (a) Production Engineering and (b) Industrial Electronics at the Polytechnic.

(3) Fifth Plan Development Schemes (First Priority) :

(a) The University Grants Commission sanctioned the following grants as their share during the Fifth Five Year Plan :

Items	Amount Rs.
(i) Spill over Schemes of the Fourth Plan	9,18,579/-
(ii) Equipment	23,00,000/-
(iii) Books and Journals	20,00,000/-
(iv) Buildings	16,00,000/-
(v) Faculty Development	2,00,000/-
(vi) Research Fund	2,00,000/-
(vii) Visiting Professorship	1,00,000/-
(viii) Publication	1,00,000/-
(ix) Miscellaneous	4,00,000/-

(b) They have also sanctioned the following staff for various Departments of the University:

(i) Professors	10
(ii) Readers	20
(iii) Lecturers	20
(iv) Research Assistants	3
(v) Library Assistant	1
(vi) Technical Assistant	1
(vii) Attendant	1

(c) In addition to the above, they also sanctioned one General Editor, One Assistant Editor, 4 Critical Apparatus Writers and 2 Proof Readers for implementation of the Scheme of Publication of a Critical Edition of *Vishnu Purana*. The Government of Gujarat has agreed to provide its matching share and also to take over the recurring liability when financial assistance from the U.G.C. ceases for *Vishnu Purana* Scheme.

(d) The University has also received U.G.C.'s approval for a total number of 25 Junior Research Fellowships for the Fifth Five Year Plan period.

(4) U.N.D.P. Assistance :

The Department of Bio-Chemistry has been selected for UNDP assistance for the following items:

- (i) Training Fellowships abroad for 2 Junior and 2 Senior Teachers of the Department for 22 man-months
- (ii) Services of UNESCO experts for 6 man-months
- (iii) \$ 30,000 for Non-expendable equipment
- (iv) \$ 5,000 for expendable equipment

(5) *Buildings :*

(a) *Completed :*

- (i) Building for Model Diploma Courses in Petro-Chemicals Engineering at the Polytechnic

(b) *Under Construction :*

- (i) Building under the scheme of 5 year integrated degree courses in Civil, Mechanical, Electrical and Metallurgical Engineering.
- (ii) Library Building for under-graduate students
- (iii) Building for the Department of Bio-Chemistry under Special Assistance Programme
- (iv) Building for Post-graduate Laboratory for the Highway Course and Library
- (v) Building for Pharmacy Department

(6) *Conferences, Seminars, Workshops :*

- (i) National Seminar on Micro-teaching from 28th to 31st July, 1975.
- (ii) Workshop in Psychology from 20th to 22nd November, 1975.
- (iii) Annual Conference of the Gujarat Branch of the Home Science Association from 24th and 25th December, 1975.
- (iv) Orientation Training on Drug Addiction on 1st January, 1976.
- (v) Seminar on "University Departments of Education and Problems of Higher Education," from 1st to 4th March, 1976.
- (vi) Seminar on "Integration of Primary and Pre-School Teacher Education" from 2nd to 5th March, 1976.

(7) *Visiting Committees :*

- (i) A Visiting Committee of the University Grants Commission scrutinized on 2nd March, 1976 the proposal of the Department of History for support under the programme of Centre of Advanced Study and/or Department of Special Assistance.
- (ii) An Expert Committee appointed by the University Grants Commission visited the University on 13th/14th March, 1976 and held discussions with the University authorities regarding the proposal for establishment of a Computer Centre in the M. S. University of Baroda.

(8) *Silver Jubilee Fund :*

The donations received upto 31-3-1975 were Rs. 4,00,009-19. During the year under report, donations of Rs. 6,40,397-72 were received from various Industries, Trusts, Co-operative and other Societies, Faculties and Institutions, etc. The total donations received at the end of the year ending 31-3-1976 were Rs. 10,40,406-91. The University has also decided to continue its efforts for collection of funds in the year 1976-77.

4. *Teaching Staff*

The teaching staff (excluding 129 in Medical College) consisted of 57 Professors, 116 Readers, 579 Lecturers, 65 Teaching Assistants, Assistant Lecturers, Instructors and Ustads, 66 Honorary, Part-time and others, the total being 883 (Appendix IV).

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

(i) The following teachers who were granted facilities for studies, research, training, etc. earlier, returned to the University:

<i>Sr.No.</i>	<i>Name of the Teacher</i>	<i>Qualifications/training or experience acquired</i>
(1)	Dr. K. K. Rao,	Attended long term Post-graduate Course on Lecturer in Microbiology Modern Problems in Biology sponsored by UNESCO and WHO at Prague University, Czechoslovakia.
(2)	Dr. K. V. Thrivikraman,	Worked as a Post-Doctoral Fellow at University of Kansas. Lecturer in Foods and Nutrition
(3)	Shri K. V. Gautam,	Gained experience in Transportation Engineering, U.S.A. Reader in Civil Engineering

(ii) The following teachers were granted facilities for Higher Studies, Research, Visit, etc. in India or abroad:

Sr.No.	Name of the Teacher	Purpose
(1)	Dr. M. N. Dadi, Reader in Economics	For a short visit in U.K. under the U.G.C. and British Council Programme of Exchange of Young Scientists between India and U.K.
(2)	Dr. M. Shreehari, Reader in Statistics	To accept the scholarship under the exchange of Teachers of the British Council at Sheffield University, U.K.
(3)	Dr. A. G. Phatak, Reader in Statistics	To accept Post-Doctoral Fellowship of U.S. Educational Foundation in India and Full-bright travel grant for advanced research in Statistics at the University of Wyoming, U.S.A.
(4)	Dr. P. K. Hiradhar, Lecturer in Zoology	To participate in the VIII International Research Group in Development Biology at the International Institute for Embryology at Habrecht Laboratory, Holland.
(5)	Shri Kamaleshji P. Lulla, Lecturer in Botany	For training in Radiation Biology at B.A.R.C. at Trombay, Bombay-26.
(6)	Shri V. L. Gadgeel, Reader in Metallurgical Engineering	For Studies for the Ph.D. degree at the University of Nebraska-Lincoln, U.S.A.
(7)	Shri A. G. Telpande, Lecturer in Chemical Engineering	For joining Post-graduate Course in Petroleum and Refinery at Bucharest, Rumaniya.
(8)	Shri R. K. Raval, Reader in English	For a short visit in U.K. under U.G.C.'s SMAV Scheme.

6. University Examination Results

Forty candidates were declared qualified for the award of Ph.D. degree of this University during the year 1975-76. A statement showing the names, subjects and titles of the thesis is given in Appendix V.

Statements showing the University examination results of (i) March-April-May-June, 1975 and (ii) October-November, 1975 are given in Appendices VI and VII.

7. Endowments and Donations

The Syndicate accepted the following donations:

Name of the Fund	Amount of Donation Rs.	Purpose
1	2	3
(i) Professor R. S. Dighe Prize Fund donated by Applied Mechanics Department, Faculty of Technology and Engineering contributed by the teaching staff members of the department	2,551/-	For awarding every year a prize in cash, to a candidate who secures the highest number of marks in the subject of Applied Mechanics (Theory, Termwork and Viva) at B.E. II (CME.Ch.Met.) Second Semester Examination of M. S. University of Baroda, provided the candidate passes B.E. II (CME.Ch.Met.) Examination at the first attempt.
(ii) Dr. (Mrs.) Pramila Phatak Scholarship in Child Development Fund donated by Head, Child Development Department, Faculty of Home Science, Baroda	6,000/-	For awarding two scholarships in two equal instalments every semester to the students of Master's Degree in Child Development during the last Semester of their study irrespective of it being the first or second semester of the academic year as under: <ol style="list-style-type: none"> (i) One Scholarship will be awarded for the students appearing in the final examination held in April and the other one will be awarded for the students appearing in the final examination held in October. (ii) The student/s who is/are awarded the above scholarship should have (a) an overall 'A' grade with not more than three credits or 'C' grade in major courses and (b) 'A' grade for the research work completed uptill the end of the semester preceding the semester in which award is made.
(iii) Smt. Surajben Chaturbhai Patel Prize Fund donated by Shri Piyush	3,001/-	For awarding every year a cash prize to a candidate of the regular batch who secures highest number of marks in

1	2	3
Kantilal Patel, 38, Pratapganj, Baroda		aggregate (both Theory and Practical) at the Third M.B.,B.S. Examination, at the first attempt, held by the M. S. University of Baroda in October/November.
(iv) Smt. Taraben Kantilal Patel Prize Fund donated by Shri Niranjan Kantilal Patel, 38, Pratapganj, Baroda.	3,001/-	For awarding every year a cash prize, to a candidate who secures highest number of marks in aggregate (both Theory and Practical) at the main Second M.B.,B.S. Examination, at the first attempt, held by the M. S. University of Baroda in March/April.
(v) Vakil Narhar B. Khidkikar Gold Medal Fund offered by Shri V. G. Upadhya, Managing Director, Synterafine Chemicals of India Pvt. Ltd., Bombay	10,000/- (including cost for die)	For awarding a gold medal at the Annual Convocation, to a student who has passed the 2nd LL.B. (General) Examination held by the M. S. University of Baroda in April/May at first attempt with at least Second Class, obtaining the highest number of marks with a minimum of 55% in the paper of "Legal Theory and Comparative Law" at the said examination.
(vi) Kum. Neela B. Dave Memorial Prize Fund donated by Shri Arvindbhai B. Dave, Limda Pole, Baroda	8,000/-	For awarding a prize in cash to a student who has passed the First and Second Semester Examinations of M.S.W. Course held by the Faculty of Social Work in October/November and March/April respectively at first attempt, standing first in order of merit after computing the results of both semesters together.
(vii) Justice Shri S. M. Shah Prize Fund donated by Justice Shri S. M. Shah, (Retd.) Chowpatty Central, Bombay-7	8,000/-	For awarding a cash prize to a candidate who passes the Second LL.B. (General) Examination of the M. S. University of Baroda held in March/April, with atleast Second Class at first attempt, and obtains the highest number of marks in the paper of "Company Law" with a minimum of 50% of the total number of marks assigned to that paper at the said examination.

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 1975-76 are given in Appendix VIII.

(2) Revenue Accounts:

The receipts and disbursements during the financial year 1975-76 were Rs. 2,92,38,965-83 and Rs. 3,23,89,105-20 respectively leaving a deficit of Rs. 31,50,139-37. Details of the Accounts are given in Appendix IX.

(3) Grants:

The University received grants totalling Rs. 65,88,940-23 on development schemes from the University Grants Commission and Government of Gujarat, and for various research schemes, studies, project etc. from the Central Ministries-State Government Departments, C.S.I.R. United States Department of Agriculture, Ford Foundation and other outside agencies. The details are given in Appendix X.

Construction Division

(1) Capital Works:

The Division supervised the construction of various buildings, extensions, additions and alterations and an amount of Rs. 12,93,252-82 was spent during the year on Capital works.

(2) Ordinary and Special Repairs:

The expenditure on Ordinary Repairs during the year was Rs. 1,58,548-88 and on Special repairs was Rs. 16,344-08.

CHAPTER II—OFFICERS OF THE UNIVERSITY

Officers

- (1) *Chancellor* : Shri Fatesinrao Pratapsinrao Gaekwad.
- (2) *Vice-Chancellor* : Professor P. J. Madan, B.Sc. (Engg.) (Edin.), D.I.C., M.Sc. (Engg.) (London), M.Inst. H.E. (London), F.I.E. (India)
- (3) *Pro-Vice-Chancellor*: Professor S. M. Sethna, M.Sc., Ph.D. (Bom.) He was elected Pro-Vice-Chancellor and assumed office on 12th April, 1975 under Statute 120.
- (4) *Deans* :
- | <i>Faculty</i> | <i>Dean</i> |
|----------------------------------|--|
| (i) Arts | Professor R. N. Mehta
(upto 30-4-1975)
Professor A. G. Jaydekar
(from 1-5-1975) |
| (ii) Science | Professor S. S. Merh |
| (iii) Education and Psychology | Professor D. M. Desai
(upto 30-4-1975)
Professor A. S. Patel
(from 1-5-1975)
Professor H. P. Chokshi |
| (iv) Commerce | Dr. V. P. Bhatt |
| (v) Medicine | Professor S. M. Sen |
| (vi) Technology & Engineering | Shri N. J. Shah |
| (vii) Law | Shri N. B. Joglekar
(upto 30-4-1975)
Dr. Ratan Parimoo
(from 1-5-1975) |
| (viii) Fine Arts | Professor (Kum.) Padma S. Chari |
| (ix) Home Science | Smt. Promila Maitra
(upto 30-6-1975) |
| (x) Social Work | Shri S. R. Yardi
(from 1-7-1975) |

- (5) *Registrar*: Shri K. A. Amin
- (6) *Librarian*: Dr. L. M. Padhya
- (7) *Other Officers*:

<i>Designation</i>	<i>Name</i>
(i) Dean, Medical College	Dr. V. P. Bhatt
(ii) Director, Oriental Institute	Professor B. J. Sandesara (upto 4-4-1975) Professor A. N. Jani (from 5-4-1975)
(iii) Principal, College of Indian Music, Dance & Dramatics	Shri M. J. Bhatt
(iv) Principal, Sanskrit Mahavidyalaya	Professor A. N. Jani (upto 4-4-1975) Dr. P. K. Dongre (from 5-4-1975)
(v) Principal, Polytechnic	Professor K. K. Thakore (upto 30-4-1975) Professor R. C. Patel (from 1-5-1975) Shri M. C. Patel
(vi) Principal, M. K. Amin Arts and Science College and College of Commerce Padra	
(vii) Head, Preparatory Unit—Arts and Science	Shri J. D. Desai
(viii) Head, Preparatory Unit—Science	Dr. S. K. Shah
(ix) Director, Centre for Continuing/Adult Education and Community Service	Dr. B. G. Desai (upto 30-6-1975) In-charge—Dr. (Kum.) Malathi Chakravorty (from 1-7-1975)

CHAPTER III—THE SYNDICATE AND THE SENATE

1. The Syndicate

The Syndicate consisted of 15 members. The following persons were the 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. Professor D. M. Desai
- +7. Dr. S. P. Desai
- @8. Professor R. N. Mehta
9. Dr. C. P. Munshi
10. Shri F. H. Palejwala
11. Shri J. A. Pandya
- *12. Shri N. M. Pandya
- *13. Shri C. M. Parikh
- +14. Dr. C. B. Patel
15. Shri D. K. Patel
16. Dr. T. V. Patel
- +17. Shri U. M. Patel
18. Professor S. M. Sen
- *19. Dr. S. K. Shah
- *20. Shri P. B. Zaveri

During the year the Syndicate held 17 meetings at which they considered and passed resolutions on 856 items. The following statement shows the attendance of the members at the Ordinary and Special meetings of the Syndicate during the year:

£ Became a member from 12th April, 1975.

@ Ceased to be a member from 1st May, 1975

+ Ceased to be a member from 1st November, 1975.

* Became a member from 1st November, 1975.

Name	No. of meetings held	Class of meetings	
		O. = Ordinary	S. = Special
1	2	3	4
Professor P. J. Madan, Vice-Chancellor	17	O. 11 S. 6	O. 10 S. 6
Professor S. M. Sethna, Pro-Vice-Chancellor	17	O. 11 S. 6	O. 11 S. 6
Director of Education or his nominee	17	O. 11 S. 6	O. 2 S. —
Shri Charan Singh Chawla	8	O. 5 S. 3	O. 4 S. 3
Professor H. P. Chokshi	17	O. 11 S. 6	O. 11 S. 5
Professor D. M. Desai	1	O. 1 S. —	O. 1 S. —
Dr. S. P. Desai	9	O. 6 S. 3	O. 5 S. 3
Professor R. N. Mehta	1	O. 1 S. —	O. 1 S. —
Dr. C. P. Munshi	17	O. 11 S. 6	O. 9 S. 6
Shri F. H. Palejwala	17	O. 11 S. 6	O. 10 S. 6
Shri J. A. Pandya	17	O. 11 S. 6	O. 10 S. 6
Shri N. M. Pandya	8	O. 5 S. 3	O. 5 S. 3
Shri C. M. Parikh	8	O. 5 S. 3	O. 5 S. 2
Dr. C. B. Patel	9	O. 6 S. 3	O. 6 S. 3
Shri D. K. Patel	17	O. 11 S. 6	O. 9 S. 5
Dr. T. V. Patel	17	O. 11 S. 6	O. 9 S. 2
Shri U. M. Patel	9	O. 6 S. 3	O. 4 S. 3
Professor S. M. Sen	17	O. 11 S. 6	O. 11 S. 4
Dr. S. K. Shah	8	O. 5 S. 3	O. 5 S. 3
Shri P. B. Zaveri	8	O. 5 S. 3	O. 5 S. 3

2. The Senate

The Senate consisted of 96 members. The changes in the membership during the year were as under:

(i) The following persons ceased to be members of the Senate:

- (1) Shri T. Gangopadhyay
- (2) Professor Ramanla N. Mehta
- (3) Professor D. M. Desai
- (4) Shri N. B. Joglekar
- (5) Shri K. M. Sharma
- (6) Professor K. K. Thakore
- (7) Dr. (Smt.) Leelaben C. Shah
- (8) Dr. V. H. Thakore
- (9) Shri V. T. Motwani

(ii) The following were the new members of the Senate:

- (1) Shri R. R. Joshi
- (2) Dr. D. S. Pathak
- (3) Shri H. J. Parikh
- (4) Dr. N. S. Pandya
- (5) Professor J. D. Birje-Patil
- (6) Shri K. S. Bhatt
- (7) Shri R. M. Patel
- (8) Dr. Ravi Mathai
- (9) Dr. P. M. Luhar
- (10) Justice Shri P. N. Bhagwati
- (11) Shri J. S. Parikh
- (12) Shri S. R. Yardi
- (13) Professor A. G. Javdekar
- (14) Professor A. S. Patel
- (15) Dr. Ratan Parimoo
- (16) Dr. P. K. Dongre
- (17) Professor R. C. Patel
- (18) Dr. N. H. Patel
- (19) Shri L. B. Pandya

The Senate met twice during the year on 26th October, 1975 and 28th March, 1976. Seventy-six members attended the meeting on 26th October, 1975 and fifty-four on 28th March, 1976.

Meeting of October, 1975 :

The election of seven Fellows and two Deans to the Syndicate, one teacher representing the Medical Faculty to the Council of Post-graduate Studies and Research, one member on the Board of Visitors for the Faculty of Medicine and one Fellow on the Board of Extra Mural Studies was held. Ten Fellows were assigned to the Faculties. Lapsed grants amounting to Rs. 3,21,700-00 in the Capital Budget and Supplementary grants amounting to Rs. 16,67,959-00 in the Revised Budget were sanctioned. Ordinances and Rules mentioned in Pamphlet No. 15 of Handbook Part II—1967, Ordinances to examinations, syllabi, standard of passing etc. passed by the Syndicate for the various courses of the Faculty of Science. Handbook Part III—Volume II—1975 and the prescribed text-books for the examinations in Arts, Handbook Part IV—1974, were considered and passed. The Twenty-sixth Annual Report and twenty-sixth Annual Accounts of the University for the year 1974-75 were passed and the excess of expenditure over the revised estimates for the year 1974-75 were also approved. The Report of the Board of Accounts for the year 1974-75 was considered and passed. The proposals for redesignation of posts for the Faculty of Commerce, Faculty of Technology and Engineering and M. K. Amin Arts and Science College and College of Commerce, Padra and Polytechnic were considered and passed. The proposal for institution of a scholarship and a prize was passed,

Meeting of March, 1976:

The election of one member on the Board of Visitors for the Faculty of Commerce was held. Thirteen Fellows were assigned to the Faculties. Annual financial statement comprising the revised estimates for the year 1975-76 and the estimates for the year 1976-77 were considered and passed. Ordinances and Rules mentioned in Pamphlet No. 16 of Handbook Part II—1967 were passed. The proposal for amendment of Statute 200 was considered and passed. The motion of Shri N. J. Mehta regarding the resolution to request the Government of Gujarat to immediately amend the M. S. University of Baroda Act, 1949 on the lines of the recommendations of the Dongerkery Commission and specially keeping in view the medium of instruction—English, as well as the unitary, teaching and residential character of the University was passed after discussion. The proposal for institution of posts for the Faculty of Science, Faculty of Education and Psychology. Faculty of Commerce and Faculty of Technology and Engineering was considered and passed. The proposal for the institution of Prizes 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 22nd April, 1975, 11th October, 1975, and 26th December, 1975. The following are the main items considered and recommended by the Council and approved subsequently by the Syndicate:

- (1) Proposals for the continuation of various research schemes previously approved were considered and recommended for their continuation where necessary. A Committee was appointed with powers of the Council to consider and recommend directly to the Syndicate new research schemes for implementation during 1976-77;
- (2) Panels of names of referees to examine the theses of 63 students for the award of Ph.D. degree in different subjects;
- (3) Recognition of 14 teachers as Post-graduate teachers for guiding students for Ph.D. degree in different subjects for various Post-graduate courses in the Faculty of Medicine;
- (4) Recommended a grant of Rs. 6,000/- each for being sanctioned for the year (i) 1975-76 and (ii) 1976-77 towards the research work done by the Textiles and Applied Industries Research Organisation, Baroda;
- (5) Recommended that the existing Ph.D. Ordinances meant for all Faculties and the Ph.D. Ordinances relating to the Faculties of Home Science and Social Work be amended and approved as recommended with a view to bring about a broad uniformity;
- (6) Recommended that the National Institute of Nutrition, Hyderabad, be recognised as a Post-graduate Research Centre for purposes of carrying on research work for the Ph.D. degree in the field of Nutrition, in the Faculty of Home Science.

2. Faculties

There are ten Faculties in the University. The 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	22-11-1975
2.	Science	22-11-1975
3.	Commerce	21-11-1975
4.	Education and Psychology	21-11-1975
5.	Medicine	(i) 3- 5-1975 (ii) 22-11-1975
6.	Technology and Engineering	22-11-1975
7.	Fine Arts	21-11-1975
8.	Home Science	21-11-1975
9.	Law	27- 3-1976

The following recommendations were made:

- (1) Faculty of Arts:
 - (i) The subordinate papers at M.A. Part I and M.A. Part II in Sanskrit be separated from the principal papers as proposed.
 - (ii) The syllabus, text-books etc. in Hindi for the two additional papers for M.A. (Principal) be approved.
 - (iii) The Department of Hindi be permitted to start the teaching of two more papers, for M.A. (Principal) in addition to the six papers taught at present.
 - (iv) The syllabus in English for the two additional papers for M.A. (Principal) be approved.
 - (v) The Department of English be permitted to start the teaching of two more papers for M.A. (Principal) in addition to the six papers taught at present.
 - (vi) The focus of instruction for the two papers for S.Y. and T.Y. B.A. special English be on remedial and practical work rather than on theoretical discussion. The syllabus/prepared by members of the previous Board and approved by this Board be implemented.
 - (vii) The existing qualifications for admission to the Post-Diploma in German Language course be modified and approved and the same be made effective from admissions of June, 1976.
 - (viii) Whereas the Faculty of Arts considers the system of internal evaluation at F.Y.B.A. desirable academically speaking, in view of the present adverse state of teacher-student ratio in the Faculty which renders testing ineffective, it is recommended that internal evaluation be given up.

- (ix) The proposed changes in courses of study for the F.Y.B.A. World History course be approved and the same be made effective from June, 1976 admissions and the first examination be held in March/April, 1977.
- (x) The proposed changes in the courses of study for the S.Y.B.A. (Minor) course in History be approved and the same be made effective from June, 1976 admissions and the first examination be held in March/April, 1977.
- (xi) The proposed nomenclature of papers for T.Y.B.A. Archaeology and revision in syllabi for some of these papers be approved and the same be made effective from June, 1976 admissions and the first examination be held in March/April, 1977.
- (xii) The proposed revision in syllabi for M.A. (Archaeology) course be approved and the same be made effective from June 1976 admissions and the first examination be held in March/April, 1977.
- (xiii) The existing O. A 22 regarding M.A. degree examination be amended by adding the words "and other Sciences" in the last para after the words "Geography or Chemistry or Botany or Zoology or Physics" and before the words "as a principal or subsidiary subject".
- (xiv) The syllabus for the two additional papers for M.A. (Principal) in Linguistics be approved.
- (xv) The existing course in Political Science for S.Y.B.A. (Major) Paper II with World Order in Twentieth Century be replaced by the course as proposed.
- (xvi) The title of M.A. Part II; Paper V in Political Science be changed from "Empirical Political Theory" to "Advanced Political Theory".
- (xvii) The title of the Paper I at M.A. Part I in Political Science be changed from "Modern Political Thought Western and Indian" to "Modern Political Thought—Western and Eastern".
- (xviii) The proposal to introduce the T.Y.B.Sc. (Principal) Eight papers course in Mathematics and the T.Y.B.A. (Major) six papers course in Mathematics be approved with the clear understanding that there will be no financial implications either recurring or non-recurring on the part of the University in its implementation.
- (xix) The details of syllabi etc. for the purposed courses in S.Y.B.A. (Major)/T.Y.B.A. (Major) + Mathematics be approved.
- (xx) The number of marks for each paper for the proposed course in T.Y.B.A. Mathematics be reduced to 75 marks with a view to retain the maximum number of marks.

- (xxi) The above provisions be made effective from June, 1976 and the examinations in respective papers at T.Y.B.A. Mathematics be conducted as stated at the top in the details of syllabi prescribed for each paper.
- (xxii) The Faculty should allow Mathematics as minor subject to be offered at the S.Y.B.A. with any major subject.
- (xxiii) A paper on Mathematics—Statistics be introduced at the F.Y.B.A. course in place of Mathematics as at present and those students who have passed the Preparatory Arts examination of this University or an examination recognised as equivalent thereto with Mathematics as one of the subjects be permitted to offer the said paper at the F.Y.B.A. Course.
- (xxiv) The details of syllabi for the above paper for F.Y.B.A. be approved and the same be implemented from June, 1976 and the first examination be held in April/May, 1977.

2. Faculty of Science

- (i) The existing syllabus for M.Sc. (Previous) Paper II and III in the subject of Physics be revised and approved as proposed.
- (ii) The existing syllabi for M.Sc. (Final) Inorganic, Organic and Physical Chemistry be revised and approved as recommended.
- (iii) The present scheme of papers, practicals etc. for the M.Sc. examination in Botany be revised and approved as proposed.
- (iv) The existing syllabi in Botany for (a) F.Y.B.Sc., (b) B.Sc. (Subsidiary) and B.Sc. (Principal) examinations be revised and approved as proposed.
- (v) The present syllabi for Biology Paper I (Botany) for the Pre-medical examination be revised and approved as proposed.
- (vi) At the M.Sc. (Previous-Botany) or M.Sc. (Final-Botany) examinations upto 50% of the marks may be allotted to internal year-round evaluation of the candidates; the Head of the Department concerned shall decide if and when and to what extent (from zero to fifty percent) the internal evaluation is to be introduced.
- (vii) The existing syllabi for Pre-medical Biology Paper II and Zoology part of Biology practicals be revised and approved as proposed.
- (viii) The Board of Studies in Zoology accepts in principle the idea of introduction of internal evaluation at M.Sc. (Previous) and M.Sc. (Final) examinations in the subject of Zoology.
- (ix) The weightage for internal assessment at the M.Sc. (Previous) and M.Sc. (Final) examinations in Bio-chemistry be raised from the present 30% to 50%.

- (x) There shall be 100 marks for practicals and 100 marks for project at the M.Sc. (Final) examination in Bio-chemistry out of a total of 200 marks allotted for practicals.
- (xi) The submission of the project should be a pre-requisite for the Final examination in Bio-chemistry.
- (xii) The existing percentage of marks of the internal assessment be increased at the M.Sc. (Micro-biology) Examination to 50% and the same be made effective progressively from March/April 1977 examinations.
- (xiii) The proposal to introduce the T.Y.B.Sc. (Principal) eight papers course in Mathematics from June, 1976 be approved with the clear understanding that there will be no financial implications on the part of the University in its implementation.
- (xiv) The details of syllabi etc. for the proposed T.Y.B.Sc. (Principal) eight papers course in Mathematics be approved.
- (xv) Thirty percent marks shall be reserved for internal assessment at the M.Sc. (Previous) and M.Sc. (Final) examinations in Statistics and the same be made effective from March/April, 1977 examinations.
- (xvi) The proposed certificate course in Computer Programming and Applications be introduced in the Department of Statistics from June, 1976 and the details regarding eligibility for admission, mode of admission, scheme of examinations, syllabi etc. for the above certificate course be approved as proposed.
- (xvii) Twenty percent marks be reserved for internal assessment for M.Sc. (Previous) and M.Sc. (Final) examinations in the subject of Geography and the same be made effective from March/April 1976 examinations.
- (xviii) Such candidates who either fail at the M.Sc. (Previous) examination held in April or do not appear at that examination after keeping two terms be allowed to join the M.Sc. (Final) class in the next year and the same be made effective from June 1976 and O. Sc. 48 be amended as proposed.
- (xix) Candidates who have passed the M.Sc. (Final) examination prior to their passing the M.Sc. (Previous) examination be awarded class on clearing the M.Sc. (Previous) examination and the same be made effective from June 1976 and O. Sc. 54 be amended as proposed.
- (xx) The present viva-voce examination of 100 marks prescribed at the M.Sc. (Final) examination be split-up into two viva-voce examinations of 50 marks each at the M.Sc. (Previous) and M.Sc. (Final)

examinations; in order to pass in the viva-voce examination, a candidate will be required to obtain 25% marks in each viva-voce examination, and the existing O. Sc. 51 and O. Sc. 52 be amended as proposed.

(xxi) The existing O. Sc. 50 be amended as proposed.

3. Faculty of Commerce

- (i) The existing title of the paper "Industry and Labour with special reference to India" prescribed for the M.Com. Part I examination be retitled as "Industrial Economics" and the existing syllabi for the said paper be revised and approved as proposed.
- (ii) The existing title of the paper "International Trade" prescribed for the M.Com. Part II examination be retitled as "International Economics" and the existing syllabi for the said paper be revised and approved as proposed.
- (iii) The present pattern of the three papers Accounting and Auditing at S.Y.B.Com. and T.Y.B.Com. be revised and approved as proposed.
- (iv) The Preparatory Science and Preparatory Arts passed students of this University be not considered eligible for admission to the F.Y.B.Com. class of this University and the existing O. Com. 8 be amended by deleting the provision contained in the 2nd para of the said Ordinance.
- (v) The existing O. Com. 26 and O. Com. 27 relating to admission to the B.Com. course after passing the B.A. Examination with Economics as a major subject be amended as proposed.

4 Faculty of Education and Psychology

- (i) Recommended amendments of O. B.Ed. 1, O. M.Ed. 4, O. M.Ed. 6(a) and O. M.Ed. 8.
- (ii) The syllabi for Paper V—Advanced Social Psychology of M.A. (Psychology) be revised and approved as proposed.
- (iii) Amendments of O. B.Ed. 3, B.Ed. 4, O. B.Ed. 6 and O. B.Ed. 7 be made as proposed by the Sub-committee.

5. Faculty of Medicine

- (i) The details syllabus, scheme of examinations etc. for instituting the M.D. Dermatology including V. D. Leprosy degree course in the Faculty of Medicine be approved academically.
- (ii) Post-graduate Diploma in "Industrial Health" be started after the said course is evaluated by the Medical Council of India, New Delhi.

- (iii) The Draft of Ordinances, Scheme of Examination, detailed syllabus etc. for instituting the Post-graduate Diploma in Industrial Health (D.I.H.) be approved.
- (iv) The Statute 199 be amended suitably in order to institute the Post-graduate Diploma in Industrial Health (D.I.H.) under the Faculty of Medicine.
- (v) The existing O. M. 4 be amended in order to introduce Internal Evaluation in the subject of Preventive and Social Medicine at the III M.B.B.S. Examination.
- (vi) The existing O.M. 26 regarding appearing at the third M.B.B.S. examination be amended by inserting "at least one academic term" in place of "at least six months".
- (vii) The provisions regarding the requirement of doing six months training in allied subject contained in the existing O. M. 44(g(1)) for M.D. Branch VI (Pediatrics), O. M. 51(e) for M.S. Branches III (Orthopaedics) and IV (ENT) and from the provisions contained in the (b) of the Enclosure 1 for M.D. (Radio-Diagnosis) and M.D. (Radio Therapy) approved vide S.R. No. 6(1) dated 15-7-1972, be deleted.
- (viii) The Faculty would like to watch the experiment conducted by universities of Marathawada and Madras regarding the introduction of the Semester System. The report and detailed working of the scheme of the Semester System may be obtained from these Universities. At present it is not possible to introduce Semester System in the Faculty of Medicine.
- (ix) The existing scheme of T.Y.B. Physio. Examination be revised and approved as proposed. The Government be approached to fill up the two vacant posts in the School of Physiotherapy so that standard of teaching and teaching work is continued as the W.H.O. scheme has been discontinued from December, 1975. It may be brought to the notice of the Government that at present qualified teachers are available in the school itself for appointment as Lecturers.
- (x) The existing O.M. 84 be amended by adding the proposed new para at the end of the said Ordinance.
- (xi) Approved that more stress in teaching of English should be given at the B.Physio. course.
- (xii) The status can be maintained regarding proposal that M.Sc. (Medical) Part I be changed to B.Sc. (Medical) and M.Sc. (Medical) Part II to M.Sc. (Medical).
- (xiii) The request of Shri J. H. Sheth to register as a Post-graduate student for the degree of M.D. in the subject of Dermatology, Venereology and Leprosy as a third student be not accepted.

- (xiv) The Government of Gujarat be requested to sanction the post of Tutor and Assistant Professor in the Department of Skin and V.D. Medical College, Baroda as recommended by the Medical Council of India; and the Secretary, Medical Council of India, New Delhi be requested to arrange to send the inspectors for inspecting the Department of Skin and V.D. after the sanction of the post. Till then no registration be done for M.D. (Dermatology including V.D. Leprosy) degree course.
 - (xv) The Ordinances for the benefit of the diploma-holders as recommended by the Medical Council of India, New Delhi, be approved.
 - (xvi) The provision contained in the existing O.M. 1 (iii) of the Handbook Part III 1969 of the Faculty of Medicine of this University regarding the eligibility of the B.Sc. passed students under certain conditions for admission to the first M.B.B.S. Class of the Medical College, Baroda under this University be deleted and the said O.M. 1 be amended accordingly.
 - (xvii) The request of Miss Mira J. Mistry (now Smt. Mira A. Damania) to allow her to do the remaining period of Internship at Luthern General Hospital, Chicago, U.S.A. be accepted as a very special case in view of the circumstances mentioned by her in her letter dated 10-7-1975.
 - (xviii) The guiding principles for permitting students for doing Internship in foreign countries for purposes of award of M.B.B.S. degree by this University, be approved.
 - (xix) The existing O.M. 38 regarding posting of internees in the District Hospital be amended as proposed.
 - (xx) The first M.B.B.S. and second M.B.B.S. examinations be held in March/April and in October/November every year as per directive of the Medical Council of India and the same be made effective for students of—
 - (a) I M.B.B.S. Class to be admitted from June, 1976 and onwards and this be also made applicable to,
 - (b) II M.B.B.S. Class students to be admitted from November/December, 1976 and onwards and
 - (c) the students who have failed at I M.B.B.S. examination to be held in September/December, 1976 and II M.B.B.S. examination to be held in April/July, 1977.
6. Faculty of Technology and Engineering
- (i) The scheme of examinations be revised for Degree examination in B.Text (Tech. and Engg.) as mentioned below:

Name of the Paper	Semester	Semester
I T.Text (Engg. and Tech.) Spg II	Sem. I to	Sem. II
II T.Text. (Tech. and Engg.) Wvg. II	Sem. II to	Sem. I
III B.Text. (Tech.) Adv. Wvg.	Sem. II to	Sem. I
IV B.Text. (Engg.) Th. M.C.	Sem. II to	Sem. I
V B.Text. Eco.	Sem. I to	Sem. II

- (ii) The existing syllabus of the subject of Building Construction at the Ist Semester of B.E. III (Civil) be revised as proposed and be made effective from October/November, 1976 examinations.
- (iii) The existing syllabus of the subject of Civil Engineering II at the 2nd Semester of B.E. III (Civil) be revised as proposed and be made effective from March/April 1977 examinations.
- (iv) The existing elective of High Way Engineering (Group III) *i.e.* (1) Advanced Highway Design, (2) Fundamentals of Transportation Engineering and (3) Asphalt Paving Technology *be replaced* by (1) Pavement Design, (2) Traffic Transportation, and (3) Highway Construction, and the syllabus for the same be approved as proposed and be made effective from March/April, 1977 examinations.
- (v) The existing title of Irrigation Storages *be renamed* as Water Resources Engineering and the proposed syllabus for the same be approved and be made effective from October/November, 1976 examinations.
- (vi) The existing scheme of examination and working for M.E. (Civil) course in Highway Engineering *be modified* and approved (including the syllabus), and be made effective from March/April, 1977 examinations.
- (vii) The existing scheme of examination and working for M.E. (Civil) course in Hydraulic Structures *be modified* and approved (including the syllabus) and renamed as Water Resources Engineering and be made effective from March/April, 1977 examination.
- (viii) The scheme of examination and working for M.E. (Civil) course in Public Health Engineering *be modified* and approved (including the syllabus) and be made effective from March/April, 1977 examinations.

- (ix) The proposal to increase the marks in Termwork and Viva examination in the subject of Soil Mechanics and Foundation Engineering for First Semester of B.E. IV (Civil) from 25 marks to 50 marks be approved and be made effective from October/November, 1976 examinations.
- (x) The proposal of modifying the syllabus of quantity surveying and costing and renaming the subject as " Estimation and Valuation " of the Second Semester of B.E. IV (Civil) be approved and be made effective from March/April, 1977 examinations.
- (xi) The proposal of modifying the existing syllabus of ' Bridge Engineering ' at First Semester of B.E. IV (Civil) be approved and be made effective from October/November, 1976 examinations.
- (xii) The existing syllabus of Material Structures II at the B.E. IV (Mechanical) First Semester be revised and approved and be made effective from October/November, 1976 examinations.
- (xiii) The proposal of revising the existing scheme of examination by increasing Termwork including Viva-voce marks in Hydraulics Machinery and Water Power Engineering at First Semester B.E. IV (Electrical) and Second B.E. IV (Mechanical) Examinations from 25 to 50 marks *be revised* and approved and the same be made effective from October/November, 1976 examinations.
- (xiv) The Scheme of Teaching and Examination of Thermal Engineering II at IInd Semester of B.E. (IV) be altered to introduce practical examination of 50 marks and Termwork examination of 25 marks in place of Term work including oral of 50 and be made effective from March/April, 1977 examinations.
- (xv) The proposal to change the existing syllabi in the subject (i) Advanced Physical Metallurgy, (ii) Structural Metallurgy, (iii) Mechanical Metallurgy II, (iv) Physical Metallurgy II in B.E. V (Met. Engg.) and (v) Physical Metallurgy I in B.E. IV and Introductory Metallurgy, (vi) Fuel Technology, (vii) Metallurgical Thermodynamics in B.E. III (Met. Engg.) be revised and approved and be made effective from October/November, 1976 examinations.
- (xvi) The proposal to introduce Mathematics V course in B.E. III (Met. Engg.) at the I Semester be approved and be made effective from October/November, 1976 examinations. The course content for Mathematics V be the same for Mathematics and for B.E. III (CME).
- (xvii) The draft syllabus for the paper on Modern Physics at B.E. III (Electrical) Second Semester be approved and be made effective from the academic year commencing from June, 1976.
- (xviii) The existing requirements for admission and standard of passing for M.Sc. (Applied Physics) be revised and approved. The admission

standard be made effective from the academic year commencing from June 1976 and passing standard be made progressively effective for those admitted in June, 1976.

- (xix) The existing syllabus for M.Sc. Applied Mathematics course be revised and approved and be made effective from October/November, 1976 examinations.
- (xx) The existing syllabus of Mathematics for M.E. (C.M.E.) Part I course be revised and approved and be made effective from March/April, 1977 examinations.
- (xxi) The existing O.T.E.I.-7 governing the provision for the mode of award of class from First Year to Fourth Year in Civil, Mechanical, Electrical, Metallurgical and Chemical Engineering degree courses be amended and approved.
- (xxii) The present practice of inviting 50% external examiners be discontinued and examinations for all classes of the Undergraduate degree examinations viz. B.E. (Civil, Mechanical, Electrical, Chemical, Metallurgical, Electronics), B.Arch., B.Text. (Engg.) and B.Text. (Tech.), B.Pharm. be conducted by the internal teachers except the Final Year examinations, and be made effective from the examinations to be conducted for the first half of 1976 and onwards. The above provision be made applicable to the examinations of Polytechnic also.

7. Faculty of Fine Arts:

- (i) The admission committee may decide admission to the First Year specialization class in Painting, Sculpture, Applied Arts, Art History of the Faculty of Fine Arts taking into consideration the capacity of the respective Departments and the special aptitude of students as shown in their performance in the second year preparatory class.
- (ii) The existing paper No. 608/708: (a) 'Psychology' prescribed for M.A. (Fine) Art Criticism course as a full and independent paper be substituted by a full paper entitled "Modern Indian Arts and Art Criticism." (b) A full paper entitled "Modern Indian Art" 602/708 which is also prescribed for M.A. (Fine) Arts History course be called as "Modern Indian Arts".
- (iii) The paper in Modern Art paper No. 603/703 for M.A. (Fine), Painting, Sculpture, Applied Arts and Graphic Arts should consist of two sections viz. (i) Modern Western Arts, (ii) Modern Indian Arts.
- (iv) Certain topics of the paper in Psychology be incorporated in the paper "History of Art Criticism (Western)" 612/712.

(v) (a) One more Graphic Arts subject—2 credits 200 marks be introduced at the first year specialization degree course in Applied Arts.

(b) The existing credits and marks in the major practical subjects at the first year specialization degree course in Applied Arts be increased as under:

	Exam.	H.C. Work	Marks
Advertising Design—7 Credits	420	280	700
Foundation Arts—7 Credits	420	280	700
			Total 1,400

(vi) The contents of the existing para given under 'Graphic Arts and Crafts' on page 17 of the prospectus of the Faculty of Fine Arts of 1975-76 be revised as under:

"Students taking Applied Arts as the main subject have to choose any two of the courses 351, 352, 353, 354 and the credit distribution be 2 credits for each of these courses (instead of 4). No. 351 be 'Lithography or Cerigraphy'".

(vii) The existing titles of the courses viz. (a) Interior Decoration 475 of the 2nd year specialization Applied Arts (Subsidiary) and (b) Interior Decoration 575 of the 3rd year specialization Applied Arts (Subsidiary) be revised as under:

(a) Interior Design—475. (b) Interior Design—575.

(viii) The existing provisions viz. (a) "Any one of the 471, 472 and one of 474, 475" relating to 2nd year specialization Applied Arts (Subsidiary) and (b) Students have to choose any one of 571, 572, 573 or 575" relating to 3rd year specialization Applied Arts (Subsidiary) be revised respectively as under:

(a) On page 18—Applied Arts Subsidiary any two of 471, 472, 473, 474, 475 and

(b) On page 19—Applied Arts Subsidiary any one of the 571, 572, 573, 574, 575.

(ix) The Board did not consider it advisable to change the present structure of the 5 year degree course. However, it has recommended that teaching programme in the 2nd Preparatory year may be restructured purposefully and put up for information at the next meeting of the Board.

(x) The existing details of (a) course No. 101 Story of Arts and (b) Course 201 Cultural History of India prescribed for the 1st year Preparatory and 2nd year Preparatory courses respectively be reframed and it should comprise of two sections of a continuous Story of Arts Course (Nos. 101 and 201) introducing the preparatory

- students to various art objects, media and styles of India and the rest of the world, and explaining their functional background.
- (xi) Arrangements to teach the subject of Indian Aesthetics to the students of Music College according to their needs, is an administrative matter. The Dean, Faculty of Fine Arts and the Principal, College of Indian Music, Dance and Dramatics should settle the matter in mutual consultation without any additional recurring and non-recurring financial implications.
 - (xii) The existing details of course No. 231 of Sculpture of 2nd year preparatory course be revised by adding the words "using different materials" at the end, and the same be made effective from June, 1976.
 - (xiii) The existing course No. 333 of 1st year specialization in Sculpture viz. "Moulding and Casting" be replaced by "Terra-Cott and Glazed Sculpture" and the same be made effective from June, 1976.
 - (xiv) The existing course No. 25/Pottery, prescribed for the 2nd year preparatory be reworded as (1) Wheel Pottery and (2) Non-Wheel Pottery and the same be made effective from June, 1976.
 - (xv) The Pottery should be compulsory subject for 1st year pre-course and it should be an optional subject for specialization students in Sculpture be not approved and statusquo be maintained in the matter.
 - (xvi) The statusquo be maintained in the matter of specifying the details in the subject of Photography as it is an administrative matter.
 - (xvii) The course No. 602/702 in the paper "History of Painting" be deleted from M.A. (Fine) Graphic Arts course and the same be made effective from March/April, 1977 examinations.
 - (xviii) In the respect of M.A. (Fine) Graphic Arts (Book Design) the paper "History of Arts" (Course No. 607/707) be deleted and replaced by the paper "Modern Arts" (Course No. 603/703).
 - (xix) The existing foot-note on "Instrumental Music" for the B.Mus. and M.Mus. courses appearing on the Page Nos. 46, 52, 60, 65 and 70 in the prospectus of the College of Indian Music, Dance and Dramatics for the year 1975-76 be revised and approved as proposed and the same be made effective from June, 1976.
 - (xx) The notes as proposed be added at the respective B.Mus. courses suitably on page Nos. 55, 63, 67, and 68 in the prospectus of the College of Indian Music, Dance and Dramatics for the year 1975-76 and the said provision be made effective from June, 1976.
 - (xxi) The ragas for Instrumental Music in Practical I and II for the M.Mus. degree course in Sitar and Violin be prescribed and approved as proposed and the same be made effective from academic year June, 1976.

- (xxii) The existing syllabus for the practical papers in Degree and Diploma in Vocal Music and in M.Mus. Dramatics be revised and approved as proposed and the same be made effective from June, 1976.
 - (xxiii) The present 5 years' Diploma course in Dance be changed to Post-S.S.C. Diploma course in Dance of 3 years duration and the present five years Diploma course in Music be modified to Post-S.S.C. Courses with 5 years' duration with the same curriculum as at present.
 - (xxiv) The proposed courses in (a) Film and T.V. Acting and (b) Film and T.V. Script Writing be instituted under the Department of Dramatics of the College of Indian Music, Dance and Dramatics and the same be approved only academically. Before actual implementation even at First Year level, where certain optionals to the present Dramatics Diploma course are recommended the details regarding financial implications by way of recurring and non-recurring expenditure both present and future, be worked out by the Committee appointed for the purpose and submitted by the principal of the College of Indian Music, Dance and Dramatics and the same be got approved by the competent authorities. The estimates for recurring and non-recurring expenditure of every type should be included for both the years of studies of these new courses.
 - (xxv) The present College of Indian Music, Dance and Dramatics be given the status of an Independent Faculty and it be named as the Faculty of Performing Arts as proposed.
8. *Faculty of Home Science:*
- (i) The vacant post of Reader in Bio-metrics and Psychometric be filled up subject to the approval of the State Government for filling up the post.
 - (ii) The revised outlines and new outlines of various courses of B.Sc. (Home), M.Sc. (Home), Post-graduate Diploma in Pre-School Education and P.G. Diploma in Dietetics, be approved.
 - (iii) The CD 231, CD 230 be prescribed as pre-requisites for CD 332 and CD 333 respectively for the B.Sc. (Home) Child Development Course.
 - (iv) The proposed change for course Nos. CD 532 and CD 553 with the modified title of CD 532—Theories of Development and Behaviour of Child, be approved.
 - (v) The CD 532—Theories of Development and Behaviour of Child CD 537—Field Work be prescribed as pre-requisites for CD 533—Advanced Child Development and CD 539—Organisation, Administration and Supervision of Children's Institutions respectively at the M.Sc. (Home) Child Development Course.

- (vi) The number of the following existing courses be changed as shown against each of them:
- General Science 511—Introduction to Statistics—3 Credits.
 General Science 513—Research Methods—3 Credits.
 General Science 612—Statistics for Research—3 Credits.
- (vii) The requirements for the dissertation work of M.Sc. (Home)—Child Development Programme be fulfilled either through theoretical research, empirical research or action research.
- (viii) The Viva examination be dropped from the existing scheme of B.Sc. (Home)—Foods and Nutrition examination and the said scheme be revised as under and be made effective from March/April, 1976 examination.
- Paper I—Applied Nutrition, Infant Nutrition.
 Paper II—Diet Therapy, Physiology.
 Paper III—Bio-chemistry, Food Science.
 Paper IV—Nutrition, Microbiology.
- (ix) The status quo be maintained on the proposal that practical course work at all levels. viz. B.Sc. (Home) Foods and Nutrition, M.Sc. (Home) Foods and Nutrition and Ph.D.—Foods and Nutrition and Post-graduate Diploma in Dietetics courses would be conducted in groups as demonstrations and as discussions.
- (x) FN 664 Seminar—4 Credits course at M.Sc.—Foods and Nutrition Programme be a zero Credit required course and be judged as P for passing, INC for incomplete and F for failure. The student will not earn credit. This change be made effective from June, 1976 admissions.
- (xi) FN 568—Advanced Physiology—3 Credits course be instituted at M.Sc. (Home)—Foods and Nutrition Programme.
- (xii) One Credit be added to FN 666—Advanced Nutrition course of M.Sc. (Home)—Foods and Nutrition Programme, raising it to 5 Credits.
- (xiii) The existing FN 661 and 662—Advanced Bio-chemistry—10 credits course of M.Sc. (Home)—Foods and Nutrition Programme be split-up as under with effect from June, 1976 admissions:
 F.N. 661—Bio Physics—3 credits.
 F.N. 662—Advanced Biochemistry—7 credits.
- (xiv) The existing F.N. 563 and 564—Institution Management—8 Credits course of M.Sc. (Home)—Foods and Nutrition Programme be split-up as proposed and the detailed outline for the same be approved with effect from June, 1976 admissions.

- (xv) Two courses viz. Clinical Nutrition—3 Credits and Bio-Physics—3 Credits be instituted in the Post-graduate Diploma in Dietetics Programme with effect from June, 1976 admissions.
- (xvi) The existing Internship—6 Credits course of Post-graduate Diploma course in Dietetics be now considered as six week compulsory Internship of 36 hours per week and it be judged as P for passing, INC for incomplete and F for failure. The student will not earn credit.
- (xvii) The 6 credits of Internship course of Post-graduate Diploma in Dietetics be utilised by offering Food Science 6 Credits course with effect from June 1976 admissions.
- (xviii) No grade should be given for evaluating the Ph.D. Thesis (30 credits) but it should be evaluated in term of "accepted or rejected" as the case may be.
- (xix) The 30 Credits of course work in Ph.D. Foods and Nutrition degree be given in the following three areas:
- Advanced reading in Nutrition
 Advanced reading in Food
 Advanced reading in Institution Management.
- (xx) The following clarification be approved in respect of Papers I, II, and Practical I, II of B.Sc. (Home)—Clothing and Textiles as under:
- (i) *One paper (3 hrs.) and One Practical (4 hrs.)*
 Courses: CT 446—Advanced Clothing Construction
 CT 447A—Draping and Costumes Designing
 CT 447B—Socio-Psyco—Aspects of Clothing
 CT 449A—Historic Costumes.
- (ii) *One Paper (3 hrs.) and one Practical (4 hrs.)*
 Courses: 445A—Advanced Textiles
 445B—Textile Testing
 444A—Woven Textiles
 OR
 444 B—Printing of Textiles
 449 A—Indian Embroidery
 449 B—Retailing and Merchandising of Textiles.
- (xxi) The revised Ph.D. Programme in Home Science Education and Extension be approved.
- (xxii) The existing scheme for B.Sc. (Home)—Home Science Education and Extension be modified and approved as proposed and the duration of time in Paper III of the said scheme be reduced from 3 hours to 2 hours.
- (xxiii) The students who have passed the B.A. or B.Sc. Examination with Home Science as one of the subjects as regular students from

Statutory Universities or Institutions in India be considered eligible for admission to the M.Sc. (Home) Home Science Education and Extension course of the Faculty of Home Science of this University subject to the condition that they shall have to do the under-graduate courses which are pre-requisites for M.Sc. (Home)—Home Science Education and Extension Course before they are permitted to take the said Post-graduate course.

- (xxiv) Those students who have passed the B.A. Examination with Home Science with Principal or Main subject from Statutory Universities in India as regular students only be considered eligible for admission to the M.Sc. (Home)—Home Management course of this University.
- (xxv) Those students who have passed the B.A. examination with Home Science as one of the subject from the Statutory Universities/Institutions in India *be not considered eligible* for admission to the M.Sc. (Home) Home Management course of this University.
- (xxvi) The one year Post-graduate Diploma course in " House Keeping Management " be introduced and be approved academically.
- (xxvii) A course either in Advanced English or English Literature equivalent to the lower level language courses required for the First Year Home Science Class be introduced for the benefit of foreign students who are unable to take up any Indian Language at the Faculty of Home Science with a view to make up the total required credits for the B.Sc. (Home) degree.
- (xxviii) The obvious changes duly approved by the Boards of Studies concerned, Faculty and Syndicate be incorporated in the M.S.S. of the Handbook Part III of the Faculty of Home Science.
- (xxix) The existing O.H.S. 7 (now renumbered as O. H 58) be amended by deleting the references of General Home Science course etc.

9. Faculty of Law:

- (i) The subjects of Trade Marks, Patents and Copy Right be dropped from the paper on Law of Property at the First LL.B. Course and the same be made effective from June, 1976 admissions.
- (ii) A candidate who is eligible for admission to the 1st LL.B. Course be considered eligible for admission to the D.T.P. and D.L.P. courses.
- (iii) The Semester System in Law course be introduced progressively from the academic year 1976-77 commencing from June, 1976.
- (iv) (a) A candidate who obtains at least 40% marks at the qualifying examination may be admitted to the 1st LL.B. Course.

- (b) Those students who obtain more than 55% marks at the qualifying examination will be entitled to be considered for admission without a viva-voce test. If the number of vacancies available for the First LL.B. Class is more than the number of students entitled to be so considered, then, those who have got between 50% and 55% marks will also be entitled to be considered for admission without a viva-voce test to the extent to which vacancies are available for them. But, in any event students who have secured less than 50% marks will be considered only after viva-voce test by a Board appointed for the purpose and the decision of the Board in this respect shall be final.
- (v) The Revised Scheme for Practical Training in Law be approved in two parts as under:
- Part I:—(a) Legal Method, (b) Conveyancing, (c) Pleadings, (d) Professional Ethics, (e) Moot Courts.
- Part II:—The scheme of Practical Training which is at present in vogue be followed.

3. Board of Studies

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

Sr.No.	Name of the Board	Date of the meeting
1.	Sanskrit, Pali and Prakrit Language and Literature	16- 9-1975
2.	Persian, Urdu and other Asian Language and Literature	16- 9-1975
3.	Hindi Language and Literature	22- 9-1975
4.	Gujarati Language and Literature	13- 9-1975
5.	Marathi Language and Literature	17- 9-1975
6.	English Language and Literature	18- 9-1975
7.	Modern and Ancient European Language and Literature	23- 9-1975
8.	Sociology	3-10-1975
9.	History, Archaeology and Ancient Indian Culture	3-10-1975
10.	Philosophy	23- 9-1975
11.	Linguistics	20- 9-1975
12.	Library Science	19- 9-1975
13.	Political Science	4-10-1975
14.	Economics	22- 9-1975
15.	Physics and Meteorology	18- 9-1975
16.	Chemistry	10-10-1975
17.	Botany	20- 9-1975
18.	Zoology	25- 9-1975

Sr.No.	Name of the Board	Date of the meeting
19.	Bio-chemistry	17- 9-1975
20.	Microbiology	23- 9-1975
21.	Geology	19- 9-1975
22.	Mathematics	11- 9-1975
23.	Statistics and Actuarial Science	6-10-1975
24.	Geography	1-10-1975
25.	Education and Educational Administration	27- 9-1975
26.	Psychology	19- 9-1975
27.	Banking and Business Finance	16-10-1975
28.	Accounts	22- 9-1975
29.	Commerce including Business Administration	15- 9-1975
30.	Co-operation	15- 9-1975
31.	Business Economics	13- 9-1975
32.	Anatomy and Physiology	6-10-1975
33.	Pathological Sciences, Pharmacology and Foreign Medicine	6-10-1975
34.	Medicine, Surgery, Midwifery etc.	4-10-1975
35.	Physiotherapy	{ 1- 5-1975 6-10-1975
36.	Technology (Textile)	8-10-1975
37.	Civil Engineering and Applied Mechanics	3-10-1975
38.	Mechanical Engineering	15-10-1975
39.	Metallurgical Engineering	8-10-1975
40.	Electrical Engineering and Electronics	15- 9-1975
41.	Chemical Engineering	16-10-1975
42.	Architecture	10-10-1975
43.	Applied Chemistry	29- 9-1975
44.	Applied Physics	30- 9-1975
45.	Applied Mathematics	22- 9-1975
46.	Law	27- 9-1975
47.	Painting, Sculpture, Applied Arts, Arts History and Graphic Arts	8-10-1975
48.	Music, Dance and Dramatics	30- 9-1975
49.	Museology	20- 9-1975
50.	Child Development	25- 9-1975
51.	Foods and Nutrition	25- 9-1975
52.	Home Science Education and Extension	26- 9-1975
53.	Clothing and Textile	26- 9-1975
54.	Home Management	26- 9-1975
55.	Social Work	15-10-1975

Important recommendations made by the Boards have been included in the recommendations of the Faculties mentioned in the preceding part of this chapter.

CHAPTER V—BOARDS AND COMMITTEES

General

A summary of business transacted by various Boards and Committees during the year is given below:

1. University Board of Sports

Three meetings of the Board of Sports were held during the year. The Board appointed a Committee to select teams to represent the University at tournaments. The Board recommended (i) to prepare a Cricket pitch at Padra College and (ii) to award a crest to the captains of the University teams for various Sports and Games irrespective of their membership of previous years.

2. Publication Board

The Board met four times during the year on 9th April, 29th August, 16th December 1975 and 11th March, 1976. It considered and recommended publication of the works viz. (i) two Journals of the Department of Zoology—Animal Morphology and Physiology and 'PAVO' (Ornithology) for the year 1975-76 (ii) report entitled "Economic Benefits of Rural Electrification in Gujarat," (iii) report entitled "Economic Profiles of Scheduled Castes in Gujarat" and (iv) technical booklet on 'Mechanical Behaviour of Soil Material.'

3. Library Committee

The Committee met on 4th August, 1975 and carried out the routine business.

4. University Building and Planning Committee

The works of Special Repairs and the Capital Works approved for the year 1975-76 could not be executed for want of approval from the State Government.

The Committee met in December, 1975 to consider the building work to be executed in the year 1976-77. It recommended the maintenance grant @ 1% of the Capital value of buildings of Rs. 3,75,27,504/- for Ordinary Repairs and @ 1% for Special Repairs to University buildings subject to the condition that prior approval as required of the State Government be obtained.

The break up of the amount for Ordinary and Special Repairs recommended was as under:

(1) Ordinary Repairs	Rs. 3,75,275/-
(2) Special Repairs	Rs. 3,75,275/-

The Committee also recommended the Capital Works estimated at Rs. 2,49,500/- and the works for Water Supply Scheme in University Campus esti-

mated at Rs. 2,97,600/- subject to the condition that prior approval of the State Government be obtained.

5. Standing Committee on Equivalence of Examinations

The Committee met on 2nd February, 1976. It considered a number of items regarding equivalence of various examinations. The following are the important equivalence granted to foreign examinations for purposes of admission to available higher courses of studies in this University and other important decisions taken are as under:

- (1) The Certificate of Secondary Education awarded by the Middlesex Regional Examining Board, Middlesex, U.K. with grade I in five subjects be recognised as equivalent to the S.S.C. examination of the Gujarat State, provided it is passed with the required subjects and fulfils all other requirements laid down by the University.
- (2) The Certificate of Secondary Education awarded by the Southern Regional Examinations Board, Southampton, U.K. with Grade I in five subjects be recognised as equivalent to the S.S.C. examination of the Gujarat State, provided it is passed with the required subjects and fulfils all other requirements laid down by the University.
- (3) The East African Advanced Certificate of Education conducted by the University of Cambridge Local Examinations Syndicate in collaboration with the East African Examinations Council be recognised as equivalent to the Preparatory Arts/Science/Commerce examinations of this University, provided it is passed with five subjects including English and other three respective stream subjects in Arts/Science/Commerce as the case may be and fulfils other requirements laid down by the University.
- (4) The National Form VI Examination conducted by the Ministry of National Education, United Republic of Tanzania Darassalam be recognised as equivalent to the Preparatory Arts/Science/Commerce Examinations of this University, provided it is passed with five subjects including 'English' and other three respective stream subjects in Arts/Science/Commerce as the case may be and fulfils other requirements laid down by the University.
- (5) The Joint Examination for the School Certificate and G.C.E. conducted in Sierra Leone by the West African Examinations Council be recognised as equivalent to the Preparatory Arts/Science/Commerce examinations of this University, provided it is passed with five subjects including 'English' and other three respective stream subjects in Arts/Science/Commerce and fulfils other requirements laid down by the University.

- (6) The B.A. (Pass), B.Sc. (Pass), B.A. (Hons.) and B.Sc. (Hons.) degrees awarded by the University of Kent at Canterbury, England be recognised as equivalent to the corresponding B.A. and B.Sc. degrees of this University, provided the candidate concerned fulfils other requirement laid down by the University.
- (7) The Engineering Degree Courses Examination conducted by the Army and Naval Engineering Colleges in India be recognised as equivalent to the corresponding B.E. degrees of this University, provided the candidate concerned fulfils all other requirements laid down by the University.
- (8) The M.Sc. degree examination in Physics awarded by the Trinity College, Hartford, Connecticut, U.S.A. be recognised as equivalent to the M.Sc. degree in Physics of this University, provided the candidate concerned fulfils all other requirements laid down by the University.
- (9) The M.Ed. degree examination conducted by the Birmingham, U.K. be recognised as equivalent to M.Ed. degree examination of this University, provided the candidate concerned fulfils all other requirements laid down by the University.
- (10) The Sixth (VIth) year certificate of Secondary Schools conducted by the Ministry of Education and Training, Iran be recognised as equivalent to Preparatory Arts/Science/Commerce examinations of this University, provided the candidate concerned has passed the said examination with five subjects including 'English' and other three respective stream subjects in Arts/Science/Commerce as the case may be and fulfils all other requirements laid down by the University.
- (11) The two year Pre-University examination conducted by the Board of Pre-University Education, Bangalore be recognised as equivalent to Preparatory Arts/Science/Commerce examinations of this University, provided the candidate concerned has passed the S.S.C. or its equivalent examination with 'English' as one of the subjects and other required subjects prior to his/her joining the University/Institution concerned and fulfils all other requirements laid down by the University.
- (12) The School Certificate Examination conducted in Fiji by the Newzealand Department of Education be recognised as equivalent to the Preparatory Arts/Science/Commerce examinations of this University, provided the candidate concerned has passed the said examination with five subjects including 'English' and other three respective stream subjects in Arts/Science/Commerce as the case may be and fulfils all other requirements laid down by the University.

(13) The B.A. degree in Linguistics examination conducted by the Mahamakut Buddhist University, Bangkok, Thailand be recognised as equivalent to B.A. degree in Linguistics of this University, provided the candidate concerned fulfills all other requirements laid down by the University.

(14) Due to the introduction of 10 + 2 + 3 New Pattern the following two important decisions are taken:

(i) The students passing the Matriculation/High School/S.S.L.C./S.S.C./Secondary School Final/Secondary School examination conducted by the Statutory Boards or examining bodies in India after undergoing ten years of schooling or similar examinations conducted by the foreign examining bodies after undergoing ten years of schooling be not considered eligible for admission to the Preparatory courses in Arts/Science/Commerce and other available higher courses of studies in other Faculties/Institutions of this University with effect from the next academic year commencing from June, 1976 and onwards in view of the introduction of the 10 + 2 + 3 pattern in Gujarat State.

(ii) the following provision be deleted from the O. 167 (A) III in view of the introduction of the 10 + 2 + 3 New Pattern in Gujarat State and be made effective from the next academic year commencing from June, 1976:

“The Matriculation/High School/S.S.L.C./S.S.C. examination conducted by the Statutory Board or examining bodies in India on the basis of at least ten years study scheme be deemed recognised as equivalent to the S.S.C. Examination of the Gujarat State for purposes of admission to the various available higher courses of studies in this University, provided the said examination is passed with the required subject/s as laid down in the relevant Ordinance of this University. However; actual admission of such students should be decided by the Dean/Head concerned”.

6. Preparatory Courses Committee

The General Education and the Preparatory Courses Committee met on 11th April, 26th November, 1975 and 2nd February, 1976 and transacted the following business:

(1) Recommended the setting up of a Central Admission Committee for deciding admission policies for the Preparatory Courses in Arts, Science and Commerce for the years 1975-76 and 1976-77.

(2) Recommended that the Sub-Committees for the General Education Programme and Preparatory Courses in Arts, Science and Commerce be appointed upto 30th June, 1978.

(3) Recommended that statusquo be maintained and the procedure as mentioned in S.R. No. 44(1) dated 24-1-1974 be followed in the matter of regulating admissions to the Pre-medical as well as various degree courses in the Faculty of Technology and Engineering for the academic year 1976-77.

(4) Recommended that the admissions to the Pre-medical and Engineering B.E. I (Civil, Mechanical and Electrical) classes of 1976-77 for the seats reserved for this University be based only on 70% theory marks obtained at the Annual Examination of April, 1976 where there will be a system of giving code numbers as usual and that the internal test marks and practical marks should not be counted towards these admissions. The class and eligibility for appearance at the Pre-Medical and Engineering Selection Tests be however based on the whole examination as at present.

7. Committee of Deans and Heads of Institutions

The Committee held three meetings during the year. The Committee recommended that M.A., M.Sc., M.Com. and LL.M. Examinations be held twice in a year. The Committee considered the following:

- (i) Examination Reforms.
- (ii) Implementation of Faculty Improvement Programme pertaining to teachers in Universities and affiliated Colleges.
- (iii) Question of proper supervision and conduct of the University Examination.
- (iv) Drafting of a code of conduct for University teachers keeping in view the recommendations made by the Sen Committee.

8. 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 equipments, approval of plans, estimates and tenders for construction work, contracts for various items and requests from staff members regarding study leave, etc. The recommendations of the Committee were placed before the Syndicate.

The Committee met as the Budget Committee on 29th January, 1976. It submitted to the Syndicate the revised estimates for the year 1975-76 and the estimates for the year 1976-77 after scrutinising various proposals received from Faculties, Institutions and Offices of the University.

9. Investment Committee

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

10. Press Supervisory Committee

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

11. Sir Sayajirao III Memorial Research Prize Fund Committee

The Committee met on 20th October, 1975 for scrutinizing the essays on "શુભરાતમાં છેલ્લાં પચાસ વર્ષમાં થયેલાં સામાજિક પરિવર્તનો" for the year 1974-75. The prize was awarded to Shri Himatlal Vadilal Shah for writing the best essay for 1974-75. The Committee also recommended to invite essays on the subject "વિજ્ઞાન અને ગ્રામ પુનર્ઘટના" for the year 1975-76.

12. Wardens' Committee

Two meetings of the Committee were held during the year.

13. Advisory Committee for NSS

One meeting of the Advisory Committee for NSS was held during the year. It approved the reports of (i) NSS Activities and (ii) Youth Against Dirt and Diseases and Youth for Afforestation and Tree Plantation Camps. The Committee recommended that the question of increasing honorarium of the Programme Officers be taken up with the State Advisory Committee. The State Advisory Committee may be moved to recognise the work done by the students and teachers and express its opinion. They should further move the Government to encourage the students and teachers by giving appropriate incentives.

14. Selection Committees

There were 13 meetings of the Selection Committees appointed under Section 48 (2) of the act and they recommended 13 candidates for appointment to the posts of Professors and Readers in various Faculties and Institutions of the University. There were 24 meetings of the Standing Selection Committee for Junior posts and 36 meeting of the Standing Selection Committee for Class III posts and they recommended 32 and 58 candidates respectively for appointment to various posts in the University.

15. Committee to Select Wardens

The Committee met on 26th May, 1975 and recommended a panel of two teachers for appointment as Wardens.

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

The Committee met on 2nd December, 1975 and 12th February, 1976. The total amount of help given to students by way of tuition fees, examination fees, books, educational materials, loans, etc. during the year 1975-76 was Rs. 52,362.

17. Board of Extra Mural Studies

The Board met on 29th August, 1975 and recommended a programme of extension lectures by University teachers and outside experts. An amount of Rs. 10,450/- was sanctioned for the purpose.

18. Advisory Committee for the University Health Centre

The Committee met on 21st January, 1976 and recommended guidelines for purchase of drugs for the Health Centre.

19. Sheth U.P.A.R. Unit Committee

The Committee met on 29th August, 1975 and recommended qualifications for the post of a Research Assistant.

CHAPTER VI—RESEARCH WORK IN THE UNIVERSITY

During the year under report 99 new students (28 in Faculty of Arts, 20 in Faculty of Science, 32 in Faculty of Education and Psychology, 2 in Faculty of Commerce, 5 in Faculty of Medicine, 9 in Faculty of Technology and Engineering and 3 in Faculty of Fine Arts) were registered for the Ph.D. Degree.

During the year 1975-76 the number of old students actively pursuing the Ph.D. research work in various Faculties was as under:

Sr.No.	Faculty	Number
(1)	Faculty of Arts	61
(2)	Faculty of Science	93
(3)	Faculty of Commerce	8
(4)	Faculty of Education and Psychology	102
(5)	Faculty of Home Science	5
(6)	Faculty of Medicine	15
(7)	Faculty of Technology and Engineering	11
(8)	Faculty of Law	3
(9)	Faculty of Fine Arts (including Music College)	7
(10)	Faculty of Social Work	2
Total		307

2. Research Schemes Financed by the University

Sr.No.	Name of the Teacher	Research Scheme
Faculty of Arts		
(1)	Dr. K. N. Reddy	(i) Trend of Government Activity in India since Independence. (ii) Analysis of M. S. University Finances.
Faculty of Science		
(2)	Prof. C. H. Pathak	Investigations on the effects of magnetic fields on life processes.
(3)	Dr. P. K. Bhattacharya	Reactivity of co-ordinated ligands in metallic complexes.
(4)	Prof. K. N. Trivedi	Nitrogen Mustards from 9-Chloromethyl-Phenanthrene derivatives as anti-cancer agents.
(5)	Dr. V. P. Bhatt	Microtopography of crystal surfaces.
(6)	Dr. J. S. Bandukwala	Study of the Quantum field theory of Tachyons.
(7)	Prof. S. S. Merh and Shri D. M. Shringarpure	Paleoecology in relation to the depositional environments of the Mesozoic of Kutch.
(8)	Prof. S. S. Merh	Metamorphic and structured studies of the rocks laying between Balaram and Kanpur area, N.E. of Palanpur, North Gujarat.

Sr. No.	Name of the Teacher	Research Scheme
(9)	Dr. P. M. Ambedkar	Studies in Reproductive Physiology.
(10)	Dr. R. M. Naik	Experimental Studies on the behaviour of the House swift <i>Apus Affinis</i> .
Faculty of Medicine		
(11)	Dr. P. T. Acharya	Serum protein, immunoglobulins and haemoglobin studies in the Neonatal infants.
(12)	Dr. S. N. Sharma	Study of the electrolyte content of normal skin sears and Keloids in Gujarat.
Faculty of Technology and Engineering		
(13)	Prof. A. M. Talati	Exchange Polymers.
(14)	Dr. S. K. Damle	Dynamics responses of highway bridges using finite elements.
(15)	Prof. V. Seshadri	Influence of Carsil-9 on CO ₂ /Silicate process of mold and coremaking.
Faculty of Social Work		
(16)	Prof. (Miss) I. M Patel	A proposal for Library Research compilation of case records in Social Work.
College of Indian Music, Dance and Dramatics		
(17)	Prof. C. C. Mehta	Bibliography of Drama project.

3. Research Schemes Sponsored by the Outside Agencies

The following Schemes in progress have been sponsored by the University Grants Commission, Ministries of Central Government, Department of the Government of Gujarat and other agencies:

Name of the Teacher	Title	Name of the Financing Agencies
(1) Prof. V. N. Kothari	(i) Economic profiles of Scheduled Castes in Gujarat (ii) A Study of Economic Benefits of Rural Electrification in Gujarat	I.C.S.S.R. G.E.B. Baroda.
(2) Dr. Thomas Panthom	Party Organization and Party behaviours in Baroda City	I.C.S.S.R.
(3) Dr. (Smt.) R. Rajalakshmi	Research Scheme No. N000-14-71-C-0445. Effect of Nutritional deficiency on Psychological performance and selected aspects of brain biochemistry	U.S. Naval Research Department, U.S.A.
(4) Prof. C. V. Ramkrishnan	(i) Project No. UR-A7-(4)-248 Grant No. FG-In-491. Study of Indian foods from legumes and the fermented foods from U.S. Soyabeans	AM-PL-480

Department	Title	Name of the Financing Agencies
	S (ii) Project No. UR-A7-(40)-261 Grant No. FG-In-529. Nutritional and Physiological studies on soyabean hemagglutinins to provide information basic to increasing the utilisation of soyabeans in food and feed products	AM-PL-480
(5) Dr. L. J. Parekh	S Studies on citrus vesicle callus maintained <i>in vitro</i> with special reference in biosynthesis of citric acid	U.G.C.
(6) Dr. S. K. Srivastava	Regulatory Relationship between Arginine and Nucleic acid metabolism in Plant Tumour Tissues	U.G.C.
(7) Dr. A. R. Mehta	S In vitro nutritional and enzymatic studies on biosynthesis of selected secondary Plant products	U.G.C.
(8) Prof. J. S. Dave	S Studies in Liquid Crystalline State	C.S.I.R.
(9) Prof. V. V. Modi	S (i) Post-harvest Physiology of mango—FG-In-506	AM-PL-480
	S (ii) Studies on carotene biosynthesis by <i>P. Blackesleanus B. trispora</i> . FG-In-509	AM-PL-480
	S (iii) Genetic transfer in Rhizobium	I.C.A.R.
	S (iv) Studies on Riboflavin formation in <i>E. ashbyii</i> .	C.S.I.R.
(10) Dr. K. K. Rao and A. K. Mattoo	S Fermentative production of cellulases from Fungi and their characterization	C.S.I.R.
(11) Prof. R. V. Shah	S Histophysiological Studies on wound healing and repair in certain peripheral and visceral organs of diabetic animals	S.I.R.C. Gujarat Government
(12) Dr. (Miss) T. S. Saraswathi	H (i) Development of moral judgement of Indian Children 10-15 years	I.C.S.S.R.
	H (ii) Production and Mediation efficiency in children's free recall	N.C.E.R.T.

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 :

Humanities and Social Sciences

Sr.No.	Name of the Teacher	Scheme
(1)	Kumari M. S. Padma	E Effect of feedback on Pupil's achievement.
(2)	Smt. P. M. Buch	E Perception of high school students and their attitudes towards vocational courses.
(3)	Shri S. D. Joshi	E Graduates—Social expectation and University Education.
(4)	Dr. M. Mukhopadhyay	E Predictors of success in the first degree examination of the M. S. University of Baroda.
(5)	Dr. D. C. Joshi	E A survey of University teaching method.
(6)	Dr. (Kumari) M. M. Shah	E A comparative study in scholastic achievement of the students who have taken their Primary Education in Corporation Schools or in Privately managed Primary School.
(7)	Shri P. K. Desai	A Hindi Novels written after 1960—plot and formation.
(8)	Dr. K. M. Shah	A Premchand's influence on Hindi Novels—writing and criticism.
(9)	Shri I. P. Vyas	A An analytical study of executive organisation relationship in some Industrial Units in Baroda District.
(10)	Shri N. K. Sant	A Survey of 28th century graphic designs and their success of Influence and comprehensive study of the outstanding contributors' work.
(11)	Shri Gulam Mohammad Shaikh	A Analytical and stylistic study of cave paintings of Ajanta from Aesthetic and Social points of views.
(12)	Dr. Ratan Parimoo	A Comprehensive study of Gupta Sculpture in Western Indian Caves.
(13)	Dr. Anil Bhatt	A An administrative study of Baroda's experiment in Urban Decentralisation.

Sr.No.	Name of the Teacher	Scheme
(14)	Dr. Thomas Pantham	The Vocation of the Political Theorist.
(15)	Shri O. P. Joneja	Colonial consciousness in recent Black American, African and Indian Fiction.
Sciences and Home Science		
(1)	Dr. (Miss) M. K. Kshirsagar	Trees ferns in test tubes.
(2)	Shri Kamleshjee Lulla	Salt Tolerance of some crop plants in natural habitat (habital ecology).
(3)	Dr. V. P. Fadia	Screening of local imomoea species for their alcholoids contains.
(4)	Dr. K. H. Mehta	Mannich-reaction of some hydroxyeoymarins.
(5)	Dr. M. N. Mani	Chemical studies on medicinal plants of Gujarat.
(6)	Dr. R. N. Kapadia	Pyrolysis of Co-ordination Polymers.
(7)	Dr. (Smt.) K. D. Kanitkar	Innovations and changes in undergraduate Chemistry curricula.
(8)	Dr. S. G. Patel	Geochronological studies of the Granite rocks of Central and South Gujarat.
(9)	Dr. N. M. Vashi and Dr. A. N. Shah	Geological studies in the Crystalline rocks of Western Kumaon with a special reference to their structure, metamorphism and granitisation.
(10)	Dr. S. S. Sail	Studies on Kwashiorkar and marasmus Children.
(11)	Dr. (Kumari) S. D. Telang	Effect of nutritional deficiencies on glutamate metabolism in rat brain.
(12)	Shri Hiralal Nakhashi	Effect of nutritional deficiencies on the lipid composition of different regions of the brain.
(13)	Shri S. R. Agarwal	Conversion of Fourier Bessel Services.
(14)	Shri V. R. Fadnis	Study of electrical conductivity of pure and doped alkali halide crystals.
(15)	Dr. N. L. Kekan	Luminiscent properties of pure and doped materials.
(16)	Dr. (Miss) R. V. Nene	Histochemical studies on certain vertebrate and invertibrate muscles.
(17)	Dr. A. K. Desai	Studies on the generation in insects.
(18)	Dr. G. K. Memon	Histoenzymological studies on endocrine, control of Avian integumentary derivatives.
(19)	Dr. A. V. Ramchandran	Certain experimental aspects of regeneration.
(20)	Dr. P. K. Hiradhar	Indocrine involvement in the regeneration of vertebrate appendages.

Sr.No.	Name of the Teacher	Scheme
(21)	(Smt.) Mrunalini A. Paur and Dr. Sunder Gujaral	The effect of liver amoebiosis on the nutritional status of hamsters.
(22)	(Smt.) Ninaz T. Ankleshvariya	Nutritional status of hamsters quantitative and qualitative estimation of essential amino acids from the raw and processed foods by paper chromatography method.
(23)	(Mrs.) Subathra Seshadri	Role of iron in brain metabolism.
(24)	Dr. Veena Mistry and (Smt.) P. Mohite	H 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 loading.
(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 heating.
(7)	Shri A. A. Patel	Effects of vibrations on convective heat transfer.
(8)	Shri Satish Mishra	Resistometric studies of solute vacancy interactions and clustering kinetics in Aluminium, magnesiium, Cromium, Alloys.
(9)	Prof. S. K. Benerjee	Phyto-chemical Investigations of medicinal plants having anticancer activity amberboa ramosakntze.
(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)	Sarvashri A. J. Shah & W. P. Bhagat	Electrical conductivity of mineral crystals and synthetic ionic crystals.
(12)	Shri V. S. Parmar	System of proportion used in ancient Architecture,

CHAPTER VII—VISITING LECTURERS

Lectures

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

(A) Lectures under University Grants Commission Scheme of Exchange of Teachers

Sr. No.	Name of the Lecturer	Date	Subject
Faculty of Arts			
(1)	Professor P. N. Mathur	25 8-1975 26-8-1975	An Accounting Framework for Economic Analysis
Faculty of Science			
(1)	Professor M. M. Taquikhan	29-8-1975	Homogeneous Catalysts
(2)	Dr. A. Banerji	28-11-1975	Chemical Ecology
(3)	Dr. V. P. Vaishnav	9th, 11th, 12th, 18th and 19th December, 1975	Histopathology
(4)	Shri V. J. Amin	22nd, 26th, 29th December, 1975 and 1st January, 1976	(i) Reaction Kinetics (ii) Continuous Fermentation (iii) Aeration-Agitation (iv) Scale-up
(5)	Professor S. B. Bhati	19-2-1976 20-2-1976 21-2-1976	Introduction to Micro-paleontology different groups, role of micro-paleontology Foraminifera Ostracoda Conodonts and charophyta
(6)	Dr. S. M. Sirsat	7-2-1976	Viruses and human cancer

Sr. No.	Name of the Lecturer	Date	Subject
(7)	Dr. A. S. Aiyer	15-3-1976	(i) Some aspects of radiation effects on rat liver mitochondria (ii) Nutritional and technological aspects of augmenting food supply from plant sources
(8)	Dr. R. D. Aiyar	13-3-1976	Haploid Plants
(9)	Professor R. S. Amin	29-3-1976	Horticulture as a career
(10)	Dr. B. G. Jaisani	29-3-1976	Plant Breeding Methodology and Strategy
Faculty of Technology and Engineering			
(1)	Shri M. R. Shah	1-10-1975	Non-ferrous foundry practice
(2)	Shri R. H. Patel	21-10-1975 22-10-1975	Reactor Design
(3)	Dr. M. L. Vaidya	16-12-1975 17-12-1975	Failure analysis of metals
(4)	Shri J. F. Mistry	25-2-1976	Foundation Treatments
(5)	Shri D. Seth	25-2-1976	Wrong diseases and Soil
(6)	Shri Munshi	6-3-1976	Cast Iron Foundry Practices
(7)	Shri Jain Sen	10-3-1976	(i) Rehabilitation of hastings squatters in Calcutta (ii) Problems of street hawkers in Calcutta
(8)	Dr. D. H. Trivedi	12-3-1976	Cross Infection in Hospitals
(9)	Dr. R. N. Vakil	13-3-1976	Structural engineering in professional activities and practice

Sr. No.	Name of the Lecturer	Date	Subject
Faculty of Home Science			
(1)	Dr. (Mrs.) Promila Kapur	25-1-1976	The predicament of the middle class Indian working women
(2)	Smt. B. Tarabai	25-1-1976	The role of Education of women in influencing their status
Faculty of Law			
(1)	Principal D. D. Desai	6th and 7th March, 1976	Negotiable Instruments Act and other Topics
(B) Lectures under Extra Mural Grant or other Schemes			
Faculty of Arts			
(1)	Professor H. C. Bhayani	17-1-1976	वर्तमान युवराती विवेचनानां केवलिक वल्ले
(2)	Dr. B H. Dholakia	5-2-1976	Technical Progress
(3)	Dr. C. L. Prabhat	6-2-1976	
(4)	Dr. M. A. Mehendale	13-8-1976	सुर का विद्रोह
(5)	Shri K. C. Mahapatra	August, 1975	Method of Internal Reconstruction
(6)	Prof. (Mrs.) Kamal Wood	23-12-1975	Baroda's Planning Department—An Administrator's view.
(6)	Prof. (Mrs.) Kamal Wood	January 1976	Milton's Paradise Lost
Faculty of Science			
(1)	Prof. Carl Goren Heden	8-10-1975	Future impact of enzyme engineering
(2)	Dr. M. D. Karkhanawala	10-10-1957	Some new peaceful uses of Atomic energy
(3)	Prof. Jiro Yonakupa	29-11-1975	Settlement Patterns in Japan and in Ancient India in the field of Lothal
(4)	Dr. K. Gopalan	2-12-1975	Isotope Geology
(5)	Prof. S. R. Patil	2-12-1975	Some abnormal acid base reactions in Organic media

Sr. No.	Name of the Lecturer	Date	Subject
(6)	Prof. P. T. Narsimhan	16-12-1975	Magnetic resonance and its applications in different fields
(7)	Dr. S. S. Pakwasa	31-12-1975	Some recent developments in Particle Physics
(8)	Dr. A. R. Prasanna	2-2-1976	Einstein-Carons Theory
Faculty of Commerce			
(1)	Dr. N. R. Sheth	19-1-1976	The Business of Human Relation
(2)	Dr. B. J. Bhandutia	20-1-1976	Co-operative Marketing in India
(3)	Dr. T. S. Papola	3-2-1976	Indian Wage Policy
(4)	Shri R. J. Mody	5-3-1976	Recent Trends in India's Monetary Policy
(5)	Shri I. J. Desai	14-2-1976	Income-tax and you
(6)	Shri H. B. Parikh	10-3-1976	New Dimension on Working Capital Management
(7)	Shri J. P. Pandya	23-3-1976	Innovations in Bank Lending
Faculty of Fine Arts			
(1)	Shri Shridhar Andhare	22-12-1975	Mewar Paintings
(2)	Shri Udailal	23-12-1975	Thikama Paintings (Badnore)
(3)	Shri Somnath Sheth	5-1-1976	Folk Sculpture
(4)	Dr. G. M. Rege	6-1-1976	Ceramic Industry in Gujarat
		9-1-1976	(i) Advertising Campaign (ii) Business Organisation
Faculty of Home Science			
(1)	Smt. Sharda Deshmukh	25-1-1976	The Prèdicament of the Middle class Indian working women
College of Indian Music, Dance and Dramatics			
(1)	Shri Mukund Goswami	5-2-1976	Been Recital
Baroda Sanskrit Mahavidyalaya, Baroda			
(1)	Pandit Batuknath Shastri Khiste	15-12-1975	ध्वनिस्वरूपं—रसविमर्शः ।
(2)	Pandit Narendra Natwarlal Upadhyaya	22-12-1975	प्राच्यरतीच्यज्यौतिषविषयोः तुलनात्मकाध्ययनम्
(3)	Pandit Biharilal Chaturvedi	16-2-1976	व्याकरणाध्ययनस्य प्रयोजनानि ।

CHAPTER VIII—FACULTY OF ARTS

1. Courses of Studies

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

In M.A. Part I in Entire Archaeology, a paper on 'History of India from 7th Century A.D.' and at M.A. in Economics, a paper on 'Classical Economics' have been introduced from June, 1975. In Political Science a paper on 'Political Sociology' has been introduced at M.A. Part II.

2. Number of Students

The number of students enrolled in various classes during the year 1975-76 was as under :

Class	Men	Women	Total
(1) Certificate Course in German	130	19	149
(2) Certificate Course in Russian	13	1	14
(3) Certificate Course in French	39	2	41
Total :	182	22	204
(4) Diploma in Russian	4	1	5
(5) Advance Course in Russian	—	—	—
(6) Diploma in German	15	5	20
(7) Advance Course in German	—	—	—
Total :	19	6	25
(8) F.Y.B.A.	396	279	675
(9) S.Y.B.A.	364	301	665
(10) T.Y.B.A.	596	314	910
(11) Library Science	8	40	48
Total :	1,364	934	2,298
(12) M.A. Part I	157	93	250
(13) M.A. Part II	127	84	211
Total :	284	177	461
(14) Ph.D.	8	5	13
Grand Total :	1,857	1,144	3,001

3. Staff

(a) Present Position :

During the year, the staff consisted of 11 Professors (three of whom are in the senior scale), 19 Readers, 62 Lecturers, 1 Part-time Lecturer, 3 Honorary Lecturers, 21 Class III Staff including Technicians and 23 Class IV employees.

(b) New Appointments :

- (i) Shri Y. O. Parikh, Lecturer in Economics
- (ii) Shri R. H. Dholakia, Teaching Assistant in Economics

(c) Teachers appointed to higher positions :

Dr. R. M. Patel, Reader in Gujarati was appointed Professor of Gujarati

(d) Teachers who left :

- (i) Dr. (Smt.) Savita Jha, Lecturer in Sociology
- (ii) Shri R. H. Dholakia, Teaching Assistant in Economics

4. Professional Growth of the Staff

(a) Publication of articles/papers :

Name	Title of the Paper	Journal in which published
(1) Dr. R. N. Mehta	(i) Kalesvari	Journal of the Oriental Institute Vol. XXIV No. 3 and 4.
	(ii) કાલેશ્વરી પત્રિકા	Journal of the Oriental Institute Vol. XXIV No. 3 and 4.
	(iii) શુભાં પેસા ચાર— એક દર્શનગ્રંથ	વિદ્યાપીઠ, મે. ૧૯૭૫.
	(iv) Patala-Vivara Myth in the Prabhasa-khanda	Journal of the Oriental Institute Vol. XXV No. 2 December, 1975.
	(v) 'Ain' Timber Trees Existed in Western India	Journal of the Oriental Institute Vol. XXV No. 2 December, 1975.
	(vi) Role of Museums in Research, Education and Community Participation	Studies in Museology, M. S. University, Baroda.

Name	Title of the paper	Journal in which published
(2) Dr. K. T. M. Hegde	(i) The painted Grey Ware of India—An inquiry into the Technique of its Manufacture (ii) Use of Caliche as a Chronological and Environmental Tool in the Study of Late Quaternary formations in Gujarat and Rajasthan	ANTIQUITY, Vol. XLIX No. 8, 1976. PURATATTVA, No. 8, 1976.
(3) Dr. B. S. Suryavanshi	(i) Paleography in Museums (ii) Bharatiya Shastriya Sangita-Ke Atmika Tatva	Studies in Museology, M.S. University Baroda, 1976. SMARIKA, Calcutta issue (Hindi)
(4) Shri V. S. Parekh	(i) Masanakelatinika Shilpo (ii) Virala Dvimukhi Ganesa (iii) Some Sculptures from Masara (iv) Kavi Pradosvia Katataka matraka Silpo	Svadyaya (Gujarati) Vol. 12, No. 4. Svadyaya, Vol. 13, No. 1. Journal of the Oriental Institute, Baroda, Vol. XXX, No. 1 Svadyaya (Gujarati) Vol. 13, No. 1
(5) Shri K. N. Momin	(i) Chalcolithic settlement in Kaira District, Gujarat	M.S. University Journal, 1975
(6) Prof. M. B. Desai and S. K. Verma	(i) Gujarat: Contours and Characteristics	Golden Jubilee Commemoration Volume of Syndicate Bank, October, 1975

Name	Title of the Paper	Journal in which published
(7) Prof. M. B. Desai	(i) Agrarian Issues in the Prime Minister's 20 Point Programme (ii) Agrarian Gujarat	Vyapar, Annual Number, November, 1975 'Times of India' Supplement, February 23, 1976
(8) Dr. S. G. Kantawala	(i) The Fiery Pillar in the Puranas (ii) Purana (In Gujarati) (iii) Kavyalankarsara Samgraha (In Gujarati) (iv) A Note on two child-characters of Bhava-Bhuti (v) Girvana-Bhasha (In Sanskrit) (vi) Indraduti-Sarama (In Gujarati)	Acharya Dr. Vishvabandhu Commomoration Volume, Hoshiarpur, Punjab Sahityadarshana, Bharatiya-Vol. II Jnanagangotri Granthashreni Vol. 17, Sardar Patel University Anthology of Indian Literary Criticism Vol. I, University Grantha Nirmana Board, Ahmedabad Journal of the Oriental Institute Baroda Vol. XXIV No. 3-4, March-June, 1975 Surabharati, 1975 Samarpana, June, 1975
(9) Dr. (Kum.) S. A. Nachane	Eleven articles on the authors etc. in Advaita Vedanta	Marathi Encyclopaedia of Philosophy, 1975
(10) Prof. V. N. Kothari	(i) Economic Factors underlying Growth of Cities in India (ii) On the Relevance of the Lewis Model of India	Vishleshan, Vol. I, No. 3 September, 1975 In (ed.) J. C. Sandesara, <i>The Indian Economy Performance and Prospectus</i> University of Bombay, 1974

Name	Title of the Paper	Journal in which published
(11) Dr. K. N. Reddy	(i) Tax Pattern of States in India	<i>Vishleshan</i> , Vol. I, No. 2 June, 1975
	(ii) Foreign Assistance and its consequences	<i>The Journal of the M. S. University of Baroda</i> Vol. XXII No. 2, June, 1973
	(iii) Inter-State Tax Effort	<i>Economic and Political Weekly</i> , December 13, 1975
	(iv) Report of the Resources Panel. (Jointly with others)	Government of Gujarat
(12) Smt. M. N. Shah	An Analysis of Stability and Variation in Labour Force Participation-Underenumeration of Unemployment	<i>Journal of the M. S. University of Baroda</i> , Vol. XII, No. 2, June, 1973
(13) Shri R. H. Dholakia	(i) District Worker Rates in Gujarat—A Factor Analysis	<i>Journal of Gujarat Research Society</i> July, 1975
	(ii) Shape of the Price Consumption Curve and Behaviour of the Elasticity of Demand (Jointly with Dr. B. H. Dholakia)	<i>Vishleshan</i> , Vol. I, No. 3, September 1975
	(iii) Empirical Test of The Marginal Productivity Theory of Wages-The Case of Indian Industries (Jointly with B. H. Dholakia).	<i>The Indian Economic Journal</i> , Vol. 23, Conference Number, 1975
(14) Prof. J. Birje-Patil	(i) The Boast in the Jungle, and Portrait of a Lady	<i>The Literary Criterion</i> , Summer, 1975
	(ii) Cobwebs in the Sun	<i>Sun Quest</i> , November, 1975

Name	Title of the Paper	Journal in which published
(15) Shri. R. K. Raval	Phonomenology and Robba Grillet's Labyrinth	<i>Indian Journal of English Studies</i> December, 1975
(16) Prof. R. M. Patel	(i) शाभणः व्यक्तिये अने साहित्य	"सुद्धिप्रकाश", जून, १९७५
	(ii) सोदागर डंसाथ	"स्रीलवन", दीपोत्सवी अंक
	(iii) प्रेमभक्ति	"अभंग आनंद", दीपोत्सवी अंक
	(iv) पद	"स्वाध्याय"-पु. १२, अंक-३
(17) Dr. S. H. Joshi	(i) स्वातन्त्र्योत्तर विवेचन	"क्षणस" त्रैमासिक, जून, १९७५
	(ii) नवी कवितानुं लावणगत	"क्षणस" त्रैमासिक, अगस्त, १९७५.
	(iii) नवी कवितानी पानी	"कंकवरी" सप्टेम्बर, १९७५
(18) Dr. M. G. Gupta	पंत के काव्य का सांस्कृतिक मूल्यांकन	Published in the book edited by Dr. A. F. Dixit published by सेतु प्रकाशन, अंसी, मार्च १९७६
(19) Dr. (Kum.) P. R. Bafna	पंत के काव्य रूपक	Published in the book edited by Dr. A. P. Dixit Published by सेतु प्रकाशन, अंसी, मार्च, १९७६
(20) Dr. D. S. Shukla	आचार्य श्रीपतिमिश्र और उनका अनुपास ग्रंथ	हिन्दुस्तानी त्रैमासिक अप्रैल-जून, १९७५
(21) Shri J. K. Vyas.	उपेन्द्राचार्य और उनकी हिन्दी कविता	वीणा मासिक, जनवरी, १९७६
(22) Prof. A G. Javadekar	Philosophy of Ecology	Address in the inaugural session as Chairman of the Executive Committee, Indian Philosophical Congress, which invited the World Conference of Philosophers at Delhi, 28th December, 1975 to 3rd January, 1976. Published independently and

Name	Title of the Paper	Journal in which published
		distributed to the delegates as a part of the Proceedings of the Golden Jubilee Session held in the University of Delhi
(23) Dr. (Kum.) S. H. Divetia	Analytic Synthetic	Abstract published in the Proceedings of the Indian Philosophical Congress Session at Delhi, December-January, 1975-76
(24) Prof. A. P. Rana	Detente and Noalignment: A Conceptual Study	M. S. Agwani, ed., Detente: Perspectives and Repercussions, Delhi: Vikas Publishing House, July, 1975
(25) Dr. Thomas Pantham	The Social Basis of Party Recruitment—A Study of Party Organizational Activities in an Indian City	Journal of Commonwealth and Comparative Politics (U.K.) Kl. 13(2) July, 1975

(b) Publication of Books/Brochures :

Name	Title	Publisher
(1) Prof. R. N. Mehta, Dr. K. T. M. Hegde, Dr. S. N. Chowdhary and Dr. (Smt.) D. R. Shah	Excavation at Dhatva	M. S. University of Baroda, 1975
(2) Dr. S. H. Joshi	(i) Parakiya (परकीया) (ii) અવલોકન (Critical essays)	Butala, Baroda November, 1975 Butale, Baroda March, 1976

Name	Title	Publisher
	(iii) અલોકનાત કિમાશ્ચર્ચન (Literary essays)	Butala, Baroda July, 1975
(3) Prof. J. Birje-Patil	Ducklings in Glass Troughs A collection of Essays on A Passage to India Ed. V. A. Shahane	Orient Longmans, December, 1975
(4) Prof. S. C. Misra	Qissa-i-Ghamghin	M. S. University, September, 1975
(5) Dr. Anil Bhatt	Caste, Class and Politics : An Empirical Profile of Social Stratification in Modern India	Delhi: Manohar Book Services, August, 1975
(6) Staff of Persian Department	(i) Maqalamne-Lataife Ashrafi (ii) Hayate Saiyed Ashraf Jahangir	M. S. University of Baroda, March, 1976 U.P. Urdu Academy, January, 1976
(7) Shri P. J. Patel	Robert Merton's Formulations in Sociology of Science	Sociological Bulletin, Vol. 24, No. 1, pp. 55-57, March, 1975
(8) Dr. A. G. Javadekar,	Member Editorial Board Marathi Tattvajnane Mahakosh Vol. I, II & III	

The following articles have been contributed to this Encyclopaedia of Philosophy published in August, 1975 at Pune, Maharashtra.

- (i) Kanada, (ii) Carvakamata, (iii) Javadekar A. G. (Thinker), (iv) Jnanasastra Vaisesikamata, (v) Tattvajnana—Vaisesikamata, (vi) Tarkasatra—Vaisesikamata, (vii) Dharma Tattvajnana—Vaisesikamata, (viii) Niti-astra—Vaisesikamata, (ix) Prasastapada, (x) Meilyasastra, (xi) Sattasastra—Vaisesikamata.

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

Name of the Teacher	Name, Place & Dates of the Conference/Seminar	Title of the Paper presented
(1) Dr. R. N. Menta	ગુજરાત ઇતિહાસ પરિષદ, પાટણ	पुरावस्तु અને પ્રભુલિકાઓ
(2) Dr. K. T. M. Hegde	(1) Congress of Archaeological and Anthropological Sciences at Chandigarh, 21st to 24th December, 1975 (2) Workshop on Palaeoclimate and Archaeology of Rajasthan and Gujarat at Ahmedabad, 22-26 February, 1976	Identification of Pigments used in the Decoration of Ancient Indian Pottery The Late Quaternary Environments in Gujarat and Rajasthan
(3) Dr. S. G. Kantawala	Seminar on "The teaching of the Sanskrit Grammar" at Ahmedabad, 26, 27, 28th October, 1975,	Some remarks on the teaching of the Sanskrit Grammar.
(4) Dr. (Kum.) S. A. Nachane	Seminar on "The teaching of the Sanskrit Grammar" at Ahmedabad, 26, 27, 28th October, 1975	Bhavabhuti,—A Criticism
(5) Prof. V. N. Kothari	(i) XV Annual Conference of the Indian Association for the Advancement at Kanpur, 11-13, January, 1976 (ii) U.G.C. Workshop on Modernizing the syllabi in Economics, held at Sardar Patel University, Vallabh Vidyanagar 19-21, January, 1976	Economic Aspects of Health Care Delivery Patterns The Teaching of Economics in Indian Universities

Name of the Teacher	Name, Place & Dates of the Conference/Seminar	Title of the paper presented
(6) Dr. M. M. Dadi	U.G.C. Workshop on Modernizing the syllabi in Economics, held at Sardar Patel University, Vallabh Vidyanagar 19-21, January, 1976	Place of Quantitative Economics in Modernizing the Economics Syllabus
(7) Shri R. H. Dholakia	(i) Gujarat Economic Conference, Valsad in November, 1975 (ii) All IIM Conference, Ahmedabad, October, 1975	Determinants of Urban-Rural Income Inequalities—A Suggested Model and its application to Gujarat Empirical Test of the Marginal Productivity Theory of Wages—The Case of Indian Industries
(8) Prof. J. Birje-Patil	(i) All India Seminar on American Literature at Hyderabad in June, 1975	(i) American Theatre in Search of Meaning (ii) Plays of Arthus Miller (iii) Symbolism in Tennessee Williams (iv) Albee and the Theatre of the Absurd
(9) Dr. A. G. Javadekar	Indian Philosophical Congress, Delhi, 28th December 1975-3rd January, 1976	Philosophy of Ecology
(10) Dr. (Kum.) S. H. Divatia	Indian Philosophical Congress, Delhi, 28th December, 1975-3rd January 1976	Analytic Synthetic (Abstract published)

Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the paper presented
(11) Kum. Yogini G. Nighoskar	Indian Philosophical Congress, Delhi, 28th December 1975-3rd January, 1976	Infinity—A Contextual Analysis (Abstract published)
(12) Shri Nitin J. Vyas	Indian Philosophical Congress, Delhi, 28th December, 1975-3rd January, 1976	The Origin of Evil—Jainism and Buddhism (Abstract published)
(13) Shri R. A. Vakil	86th Course on Rural Development (Focussing on Weaker Sections and Social Justice), National Institute of Community Development, Hyderabad, 27th January to 6th February, 1976	Educational Opportunities for Scheduled Castes and Scheduled Tribes (Paper presented in conjunction with S. Chaterjee, IAS and Dr. A. N. Sadhu, Kashmir University)
(14) Prof. S. C. Misra	Indian Institute of Advanced Study, Simla	(i) Protest and Reform Movement (ii) Ismaili Movement as a Protest Movement

(d) Talks given at different Universities :

Name of the Teacher	Institution	Subject
(1) Prof. R. N. Mchta	Department of History, Sardar Patel University	Archaeology
(2) Prof. R. M. Patel	(i) Sardar Vallabhbhai University, Vallabh Vidyanagar, 27-9-1975 (ii) Narayan Hostel, Baroda 2-10-1975 (iii) S. P. University, Vallabh Vidyanagar 4-10-1975 (iv) सागर प्रकाशन ट्रस्ट, चंडीदास 7-2-1976	आधुनिक गुजराती कविता (१९६५ थी १९७५) गांधीजी : वर्तमान संदर्भों में सरदार मारी नजरे अभ्यास : अंक रचयिता

Name of the Teacher	Institution	Subject
(3) Dr. S. H. Joshi	(i) Mahudha Arts and Commerce College, December, 1975 (ii) Shri P. T. Arts and Science College, Godhara, January, 1976 (iii) Ratilal Gosalia Mahila College, Bhavnagar, January, 1976 (iv) S.N.D.T. University, Bombay, November, 1975 (v) Saurashtra University, Rajkot, March, 1976	उच्च शिक्षणनां प्रश्नो दूकी वार्ता-नवी धारा दूकी वार्ताना आस्वाद कव्येना आस्वाद डी. एस. अेलियटनु कव्य विवेचन
(4) Shri N. C. Desai	Premananda Sahitya Sabha, Baroda, 1-10-1975	कवि गिरधर-कवन अने कवन
(5) Shri M. M. Desai	(i) अयस सा. वर्ग- वडे.दरा २३-७-१९७५ (ii) Premananda Sahitya Sabha, Baroda, 3-10-1975 (iii) श्री नृसिंहाश्रम, वडे.दरा २-१२-१९७५	योगिनी कुमारी (नवलकथा) श्रीयोगेश्वरनी साहित्यसेवा ज्ञानदृष्टिअे भक्तिभीमांसा
(6) Dr. M. G. Gupta	(i) Samaldas P. G. College, Saurashtra University, 25th and 26th February, 1976 (ii) M. G. Mahila College of S.N D.T. University, Bhavnagar, 21st February, 1976	काव्य के उदात्त भाव २१-२-१९७६ काव्य का अभिव्यंजनावाद गद्यकार्लिन काव्यका वैशिष्ट्य
(7) Dr D. D. Mahulkar	Tata Institute of Social Sciences, Bombay.	(i) Linguistics and the Study of the Individual (ii) Linguistics and the Study of the Society

Name of the Teachers	Institution	Subject
(8) Prof. A. P. Rana	(i) Department of Political Science, Rajasthan University, Jaipur, 29-10-1975	Studying Foreign Policies : A Comparative Overview
	(ii) Gujarat Rajyashastra Mandal, Indian Institute of Public Administration (Vallabh Vidyanagar Branch) and T. V. Patel Arts College, Sardar Patel University, 22-12 1975	International Politics-- Problems and Prospects
	(iii) U.G.C. Lectures under the Exchange of Teachers Scheme, School of Social Sciences, Gujarat University, 18th and 19th February, 1976	The Detente and the Future of India's Foreign Policy
(9) Dr. Thomas Pantham	University School of Social Science, Gujarat University, 1-10-1975	Democracy and Political Parties
(10) Dr. Anil Bhatt	Sardar Patel University, 18-10-1975	Caste and Politics : Evaluation of Teachers by Students
(11) Prof. J. Birje Patil	(i) Osmania University, Hyderabad	T.S. Eliot
	(ii) Vikram University, Ujjain	(i) Shakespeare (ii) Emily Dickinson (iii) Milton December, 1975
	(iii) Poona University	(i) Shakespeare (ii) Indo-Anglian Poetry (iii) T. S. Eliot (iv) Marlowe
	(iv) H.P.T. College, Nasik	(i) Marlowe (ii) Shakespeare (iii) T.S. Eliot

Name of the Teachers	Institution	Subject
	(v) South Gujarat University, Surat	(i) Shakespeare (ii) The Theatre of the Absurd
	(vi) All India English Teachers' Conference, Madurai,	The Treatment of Time in Shakespeare and Marlowe (Open lecture)
	(vii) North American MLA, Nontieal, Canada	Conrad and Naipaul
(12) Prof. R. N. Mehta	St. Xaviers College, Ahmedabad	Modern English Fiction
(e) Participation in Inservice Programmes :		
Name	Programme	Capacity
(1) Dr. S. G. Kantawala	(i) Vishnu in the Rgveda at the Veda-sammelan, Atmajyotiashrama, Baroda, 18-4-1975	Speaker
	(ii) Sanskrit Language Sanskrit day, Sanskrit Vidvatsabha Baroda, 22-8-1975	Speaker
	(iii) Indrism and Krishnaism in Bhagavata Purana Janmashtami Celebrations, Atmajyoti Ashrama, Baroda 30-8-19.5	Speaker
	(iv) Maru Priya Pustaka New Year get-together programme, Premananda Sahitya Sabha Baroda, 9-11-1975	Speaker
(2) Prof. V. N. Kothari	(i) Ford Foundation Group Meeting on the Present State of Economic Training, Research and Planning in Indian Uni-	Participant

Name	Programme	Capacity
	versities etc., New Delhi 16th July, 1975	
	(ii) XV Annual Conference of the Indian Association for the Advancement of Medical Education, Kanpur, 11th to 13th January, 1976	Social Scientist
	(iii) UGC Workshop on Modernizing the Syllabi in Economics held at Sardar Patel University 19-21, January, 1976	Participant
(3) Dr. K. N. Reddy	(i) UGC Workshop on Modernizing the Syllabi in Economics held at Sardar Patel University 19-21, January, 1976	Participant
	(ii) Panel to study Financial Resources of the State under the State Planning Board, Gujarat Government, Gandhinagar, 28-31 January, 1976	Member
(4) Dr. M. M. Dadi	(i) University College of Wales September-December, 1975 Exchange of Youth Scientists Programme of British Council	British Council Fellow
	(ii) UGC Workshop on Modernising the Syllabi in Economics held at Sardar Patel University 19-21, January, 1976	Participant
(5) Prof. J. Birje Patil and Prof. R. N. Mehta	All Indian Research Guides Conference sponsored by U S E F. I. at Hyderabad in June, 1975	Participants

Name	Programme	Capacity
(6) Prof. Birje Patil	Seminar on Immigration Bicentennial Celebration USIS, Bombay in November, 1975	Participant
(7) Dr. A. G. Javadekar	UGC Workshop for Modernization of Syllabi in Philosophy, Poona University, 28th February to 2nd March, 1975	Participant
(8) Prof. S. C. Misra	(i) USEFI Seminar 'Democracy, Social Inequality', Gopalpur, January, 1976	Participant
	(ii) U.G.C. History Workshops in Eastern Zone, Gauhati, Northern Zone, Amritsar and Western Zone, Baroda	Participant (at Gauhati & Amritsar) and Director (at Baroda)

(f) Awards :

(1) Professor S C. Misra, Professor and Head, History Department was selected by the University Grants Commission as a National Lecturer in History for the year 1975-76. Under this scheme he gave lectures at Mysore University, Vishwabharati, Shanti Niketan, Himachal Pradesh University, Simla and the Jawaharlal Nehru University, New Delhi.

(2) Professor J. D. Birje-Patil, Professor and Head, Department of English has been selected as a National Lecturer in English for the year 1976-77

5. Faculty Union Activities

(1) The Sociology Students' Association maintains a departmental library. There is a Students Gift Book Section having books, reprints of articles, typed articles and typed chapters.

(2) The Shakespeare Society produced two plays during the year. They were (i) 'Look Back in Anger' by John Osborne (ii) 'You Never Can Tell' by Barnard Shaw and donated Rs. 5000/- to the M. S. University Silver Jubilee Fund.

6. Faculty Publications

The following Journals were published :

- (i) Amateur Economist 1975-76 March, 1976
- (ii) Journal of the English Literary Society March, 1976

7. Visitors

Name	Date and Month	Subject of the Lecture
(1) Prof. P. N. Mathur, Prof. of Economics, University College of South Wales, Abberstywth	25th and 26th August, 1975	'An Accounting Frame Work for Economic Ana- lysis'.
(2) Prof. John Drew Cambridge University	September, 1975	Influence of India on Western Literature
(3) Prof. Shiv Kumar Head, Department of English, Osmania University	October, 1975	Keat's Letters
(4) Prof. V. Y. Kantak C.I.E.F.L. Hyderabad	November, 1975	Shakespearean Tragedy
(5) Prof. Fitzsimmons American Poet	November, 1975	Poetry Reading arranged by U.S.I.S., Bombay.
(6) Prof. Vern Wagner A.S.R.C., Hyderabad	January, 1976	Mark Twain
(7) Prof. Nissim Ezekiel	January, 1976	Reading from his Poetry
(8) Prof. Geoff Ray Hill University of Reeds, U.K.	February, 1976	Modern English Poetry arranged by British Council, Bombay
(9) Prof. Jiro Yonekura, Hiroshima University, Japan	28-11-1975	Some Aspects of Historical Geography of Japan
	29-11-1975	Settlement Pattern in Japan and Ancient India in the field of Lothal
(10) Dr. Jay A. Weinstein	12-12-1975	(i) Comparative Urbanization
	13-12-1975	(ii) Modernizing and a 'Convergence' of Urban Ecological Structure in India

CHAPTER IX—FACULTY OF SCIENCE

1. Courses of Studies

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

2. Some new experiments

It has been decided to introduce 30% continuous internal evaluation for the M.Sc. classes from the academic year 1976-77. On an experimental basis a comprehensive evaluation test has been tried in the M.Sc. classes.

3. Number of Students

Class	Boys	Girls	Total
(1) Diploma in Laboratory Techniques			
1st year	10	—	10
2nd year	6	2	8
(2) Diploma in Military Science			
1st year	6	—	6
2nd year	25	—	25
Total:	47	2	49
(3) Pre-Medical	123	21	144
(4) F.Y.B.Sc.	181	94	275
(5) S.Y.B.Sc.	233	153	386
(6) T.Y.B.Sc.	293	114	407
Total :	830	382	1212
(7) M.Sc. (Previous)	123	50	173
(8) M.Sc. (Final)	100	39	139
(9) M.Sc. (Appl. Geol.)	3	—	3
(10) Ph.D.	42	10	52
Total :	268	99	367
Grand Total :	1145	483	1628

4. Staff

(a) Present Position :

The staff consisted of 11 Professors, (3 of whom are in the senior scale), 21 Readers, 137 Lecturers, one Teaching Assistant, 120 Class III and 82 Class IV employees.

(b) New appointments :

Kum. S. D. Telang and Shri H. L. Nakhasi as Lecturers in Bio-Chemistry.

(c) Teachers appointed to higher positions :

Dr. K. N. Trivedi, Reader in Chemistry was appointed Professor of Chemistry from 27-12-1975.

(d) Teachers who left :

- (1) Shri S. P. Prajapati, Lecturer in Chemistry,
- (2) Dr. M. V. Chidambaram, Lecturer in Chemistry,
- (3) Shri A. B. Kulkarni, Research Associate in Bio-Chemistry,
- (4) Shri S. N. Date, Lecturer in Physics (expired)

5. Professional Growth of the Staff*(a) Publication of Articles/Papers*

<i>Sr. No.</i>	<i>Author</i>	<i>Title</i>	<i>Journal</i>
(1)	Rajalakshmi R. & Nakhasi H. L.	Effects of neonatal pantothenic acid deficiency on brain lipid composition in rats	J. Neurochem. 24, 979, 1975
(2)	Nakhasi H. L., Toews A.D., and Horrocks L.A.	Effects of postnatal protein deficiency on the content and composition of myelin from brains of weaning rats	Brain Res., 83, 176, 1975
(3)	Rajalakshmi R., and Telang S. D.	Effects of postweaning deficiencies and subsequent rehabilitation on brain enzymes in neonatally undernourished rats	Baroda Journal of Nutrition No. 2, 37, 1975
(4)	Nakhasi H. L., Bhandari S. D. and Bhatnagar D. K.	Effects of diet and feeding pattern on serum and liver cholesterol in rats	Baroda J. of Nutrition, 2, 9, 1975
(5)	Rajalakshmi R., and Maliwal B. P.	Effects of different supplements on the nutritive value of maize and jowar to Albino rats	Baroda J. of Nutrition, 2, 21, 1975

<i>Sr. No.</i>	<i>Author</i>	<i>Title</i>	<i>Journal</i>
(6)	Rajalakshmi R., Chari K. V., Advani M., Cary I. M., Patel M. A., Mutalik A. M., Bhat J. K., and Vyas A. D.	Comparative availability of B-carotene in different vegetables as compared to that of pure B-carotene and vitamin A	Baroda J. of Nutrition, 2, 103, 1975
(7)	Ramakrishnan C.V., Sail S., Ramachandran K., Patel S., Gupta D. and Techchandani S., Chary K., Shantha Bhaduri J. N., Saxena J. D. and Banerjee R. N.	Effects of care lunch programme on the physical, biochemical and psychological status of school children in Gujarat, Madras and Uttar Pradesh	Baroda J. of Nutrition 2, 130, 1975
(8)	Rajalakshmi R., and Rao N. V.	The magnitude and duration of post prandial thermogenesis in adult men and women in relation to the composition of the meal	Baroda J. of Nutrition, 2, 121, 1975
(9)	Bhatt R. P. and Sanjappa M.	Karyomorphological studies in the genus Indigofera Linn.	The Nucleus, 18 (3) December, 1975
(10)	Chokshi S. J. and Mehta A. R.	Growth and Alkaloid production in suspension cultures of Datura metel L. Anther	Ind. J., Pharm. 38 (1): 13, 1976
(11)	Fadia V. P. and Mehta A. R.	Tissue culture studies on Cucurbits : VI : Factors limiting growth of Cucumis melo L. Tissue grown as batch cultures	Ind. J., Exp. Biol. 13 (6) : 590, (Nov.), 1975

Sr. No.	Author	Title	Journal
(12)	Vajranabhaiah S. N., and Mehta A. R.	Studies on nucleic acid of Cucumis melo L.	Ann. Bot. 40 (66), 1976
(13)	S. L. Bafna, K. V. Masarani, H. S. Rama	Ultraviolet Absorption Spectra: Some substituted coumarins	J. Appl. Chem. and Biotechnol, 24, 331, 1974
(14)	R. N. Kapadia	Nickel chelates of 5-substituted salicylaldehyde and 5-substituted salicylaldehyde oxime ligands	Curr. Sci., 44, 658-659 (1975)
(15)	P. K. Bhattacharya and P. C. Parikh	Studies in mixed ligand complexes Part XI	Ind. J. Chem. 13 (2), 190, 1975
(16)	P. K. Bhattacharya, P. C. Parikh and D. C. Patel	Templat reaction in some mixed ligand complexes	J. Inorg. Nucl. Chem. 37, 1381, 1975
(17)	P. K. Bhattacharya and Uma Doraswamy	Studies in some mixed ligand complexes containing B-dicarboxyls	J. Inorg. Nucl. Chem. 37, 1665, 1975
(18)	P. K. Bhattacharya and C. R. Jeurkar	An improved method for the determination of formation constants of mixed ligand chelates	Ind. J. Chem., 13, 622, 1975
(19)	P. K. Bhattacharya and P. C. Parikh	Studies in some mixed ligand complexes Part XII	Bull. Acad. Polon. Sci., 23 (4), 289, 1975
(20)	P. K. Bhattacharya and B. T. Thakar	Studies in the formation of schiff base complexes Part I	Ind. Chem. Sec. 52 (5), 454, 1975
(21)	P. K. Bhattacharya and V. B. Mohankumar	Formation of schiff base complexes Part II	Ind. J. Chem., 13 (9), 928, 1975
(22)	P. K. Bhattacharya and Uma Doraswamy	Studies in some mixed ligand complexes Part X	Ind. J. Chem., 13 (10), 1069, 1975

Sr. No.	Author	Title	Journal
(23)	P. K. Bhattacharya and V. B. Mohankumar	Studies on some mixed schiff base complexes Part III	J. Ind. Chem. Soc., 52 (11), 1041, 1975
(24)	J. S. Dave and G. Kurian	Low melting thermotropic liquid crystals-p, p-disubstituted phenyl benzoates: (a) p, (p'-N-Alkoxy benzoylacetophenons and p (p'-n alkoxy benzoyloxy) benzaldehydes	J. Phys. (Paris) 36 Cl, 403, 1975
(25)	J. S. Dave and A. P. Prajapati	Mesomorphic behaviour of some schiff base compounds comprising naphthalene	Anyl. Curr. Sci., 45, 95, 1976
(26)	K. N. Trivedi, N. H. Pardanani and Y. A. Shaikh	Studies in synthesis of coumarino-pyrones and Furocoumarin Part XIX	J. Indian Chem. Soc., 52, 45, 1975
(27)	K. N. Trivedi and K. R. Shah	Studies in synthesis of coumarino-pyrones and Furocoumarins Part XXI	J. Indian Chem. Soc., 52, 224, 1975
(28)	K. N. Trivedi and K. R. Shah	Studies in the synthesis of coumarino-pyrones and Furocoumarins Part XXII	J. Indian Chem. Soc., 52, 436, 1975
(29)	K. N. Trivedi and D. O. Shah	Mannich Base derived from substituted Halogenomethyl coumarins	Indian J. Chem., 13, 1096, 1975
(30)	K. N. Trivedi and D. O. Shah	Nitrogen Mustards from coumarin derivatives	Indian J. Chem., 13, 1103, 1975
(31)	K. N. Trivedi and D. O. Shah	Studies in Anti-Cancer Agents Part I—Nitrogen Mustards from 9-Chloromethyl-phenanthrene derivatives	Indian J. Chem., 13, 1271, 1975

Sr. No.	Author	Title	Journal
(32)	Suresh Sethua and T. C. Thomas	Synthesis of Oxygen heterocyclics from 2-Hydroxy fluorene and 2-Hydroxy fluorenone	Journal of the Indian Chemical Society, 52, 609, 1975
(33)	Suresh Sethua and S. P. Prajapati	Studies in Chromones and Flavones Part XI, Synthesis of some Bichromonyls	Journal of the Indian Chemical Society, 53, 300, 1976
(34)	Smt. V. A. Janaki	Sea Power and the Law of the Sea	Faculty of Science Magazine, 1975-76 No. 23 March, 1976
(35)	Devendra Pal and S. S. Merh	Geomorphic Evolution of Nainital area, Kumaon, Himalayan	Himalayan Geology, Vol. V, 1975
(36)	Geeta Desai, D. M. Shrinagarpure and S. S. Merh	Western Wagad Mesozoic Sediments and their depositional Environment	Proc. of Sym. on Sediments, Sedimentation and Sedimentary Environment held at Delhi, pp 311, 322, September, 1975
(37)	S. D. Desai	Airphoto Interpretation Engineering Geology and Hydrologic Studies	Jl. of Tech. Engg., M. S. University of Baroda, 1975
(38)	M. V. Muley and S. D. Desai	Industrial Application of Natural Graphite	"
(39)	N. D. Desai and S. D. Desai	Properties of Rock and their Application in Engineering Practice	"
(40)	D. M. Shrinagarpure and Geeta Desai	On the occurrence of some Nodosariod Foraminifera from the Manfara Dome Section of Wagad Hill Block, Kutch	Curr. Sc., Vol, 44, No. 4, 123
(41)	S. R. Agrawal	On the convergence of Fourier-Bessel series	Bull. Acad. Polon. des Sci. Ser. Sci. Math. Astronom Phys. XXIII, 1975

Sr. No.	Author	Title	Journal
(42)	S. R. Agrawal	On a Fourier-Bessel series of special kind	Matematicki Vesnik, 13 (28), 3-8, 1976
(43)	S. R. Agrawal	On the degree of approximation of the generating function by the partial sums of its Fourier-Bessel series	Matematicki Glasnik, 11 No. 1, 1976
(44)	J. R. Patadia	On the absolute convergence of lacunary Fourier series	Jour. of the London Mathematical Society, (2) 13, 1976
(45)	K. K. Rao and A. R. Gupta	Inhibition of Tryptophan synthetase by phosphate in Alkaloid producing culture of <i>A. fumigatus</i>	Naturwissenschaften 62, 394, 1975
(46)	H. G. Desai, J. D. Desai and V. V. Modi	Involvement of Biotin in carotene formation in <i>P. blakesleeanus</i> and <i>B. trispora</i>	Curr. Sci. 44, 619, 1975
(47)	H. S. Chhatpar, V. V. Modi and V. B. Pandit	Studies on Control of Blackspot formation on mangoes	Curr. Sci. 44, 674, 1975
(48)	K. K. Rao and Satya Rao	Effect of Tweens on the production of Ergot Alkaloids by <i>A. fumigatus</i>	Folia Microbiol 20, 418, 1975
(49)	A. K. Matto and V. V. Modi	Palmitic acid activation peroxidase and its possible significance in mango ripening	Biochim. Biophys. Acta. 397, 518, 1975
(50)	F. Doctor and V. V. Modi	Genetic transformation in <i>R. japonicum</i>	Proc. Synbiotic Nitrogen fixation in Plants IBP, 7, 69, 1975
(51)	A. N. Kachhy and V. V. Modi	Catechol metabolism in <i>P. aeruginosa</i> : Regulation of metaission pathway	Indian J. Expt. Biol. 14, 163, 1976

Sr. No.	Author	Title	Journal
(52)	J. D. Desai and V. V. Modi	Nitrate utilization and growth in biotin deficient <i>A. nidulans</i>	Can. J. Microbiol. 21, 867, 1975
(53)	H. S. Desai and M. P. Maru	Effect of short range force in the scattering of slow Electron by polar Molecule	J. Phys. B. Atom. Mole. Phys. Vol. 8, No. 11, 1975
(54)	A. B. Darji and S. G. Shah	The B-system of CaCl molecule	Ind. J. of Pure and Applied Physics, Vol. 13, 187-190, March, 1975
(55)	M. N. Kamlasanan and S. G. Shah	New Ban System of CaI Molecule in the Region 4600-4950 A	Curr. Sci. Vo. 44, 805, 1975
(56)	V. P. N. Nampoori, M. N. Kamalasanan and M. M. Patel	Rotational Analysis of System of Indium Monofluoride Molecule	J. Phys. (B) Atom., Mole. Phys. 8, 2841, 1975
(57)	V. P. Bhatt, A. R. Vyas and G. R. Pandya	Dendritic Growth of Bi-Sb crystals	J. of Crystal Growth, 28, 392-394, 1975
(58)	S. B. Trivedi and V. P. Bhatt	Growth of Se-Te whisker crystals from the vapour phase	J. of Crystals Growth, 32, 227, 1975
(59)	V. P. Bhatt, A. R. Vyas and G. R. Pandya	Etching of Bismuth-Antimony crystals in a magnetic field	J. of Applied Crystallography, 9, 1976
(60)	S. W. Dharmadhikari and M. Sreehari	Convergence in r-mean of Normalized partial sums	Ann. Prob. (3), 1023-1024, 1975
(61)	A. G. Phatak and D. K. Shah	The ASN of the Curtailed Sampling Plans under the Hypergeometric Probability Law	Estadistics, Vol. XXIX, No. 3, 1975
(62)	M. Sreehari and D. N. Shanbag	On some self-decomposable distributions (Abstract)	I.M.S. Bulletin, 1976

Sr. No.	Author	Title	Journal
(63)	A. G. Phatak and D. K. Shah	Misclassification under Fully Curtailed Double Sampling Plans by Attributes	M. S. University Journal, Vol. XXIV, No. 3
(64)	Shah R. V. and Hiradhar P. K.	Glycosaminoglycans during tail regeneration in the house lizard, <i>Hemidactylus flaviviridis</i> (Lacertilla: Gekkonidae)	J. Anim. Morphol. Physiol. 22:1 pp. 43-50, 1975
(65)	Shah R. V., Yadav P. L., Asnani M. V. and Pilo B.	Comparative histochemical studies on avian liver 3, the relationship of dietary preferences of various representative birds with the distribution of adenosine triphosphatase in their livers	J. Anim. Morphol. Physiol. 22:1, pp. 60-64, 1975
(66)	George J. C and Shah R. V.	Cardiovascular system of the Indian pond turtle <i>lissemys punctata</i>	J. Anim. Morphol. Physiol. 22:1, pp. 66-86, 1975

(d) *Publication of Books and Brochures :*

Sr. No.	Name	Title	Name of the Publisher
(1)	Rajalakshmi R.	Pre-School child nutrition, pattern prevalence and prevention	M. S. University of Baroda, Baroda
(2)	Shah V. M.	Introductory Calculus	Acharya Book Depot, Baroda, May, 1975

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

Sr. No.	Name	Seminar/Conference	Title
(1)	Rajalakshmi R.	S.B.C. Symposium University of Calcutta, Calcutta, 27-10-1975 to 5-11-1975	Nutrition and Brain function
(2)	L. J. Parekh	Symposium, Botany Department, S. P. University, Vallabh Vidyanagar, 27-10-1975 to 29-10-1975	Studies on fruit tissues of citrus acid, cultivated in vitro
(3)	H. L. Nakhasi	S.B.C. Symposium, University of Calcutta, Calcutta, 27-10-1975 to 5-11-1975	Effects of neonatal under-nutrition on lipid composition of spinal cord
(4)	S. D. Telang	"	Effects of nutritional deficiencies on glutamate decarboxylase in rat brain
(5)	J. R. Dave	"	Effects of post-weaning deficiencies of food energy, protein and vitamin A on bone composition in rats
(6)	S. D. Bhandari	"	Effects of prenatal and post-natal deficiencies on rat intestinal phytase
(7)	I. R. Dudhwala	"	Effects of crude extract of soyabean on intestinal lactase
(8)	S. Kuriakose	Symposiums, Botany Department, S. P. University, Vallabh Vidyanagar, 27-10-1975 to 29-10-1975	Histological studies on fruit tissues of citrus acid and the calli obtained from them

Sr. No.	Name	Seminar/Conference	Title
(9)	Bhatt P. H. and Mehta A. R.	All India Symposium on "Form, Structure and Function in Plants", S. P. University, Vallabh Vidyanagar, 27-29, October 1975	Unorganised and organised growth from the Mechanically isolated Mesochyll cells of Ipomoea
(10)	Raval S. K. and Mehta A.R.	"	In Vitro propagation of selected varieties of Tobacco
(11)	Kshirsagar M. K. and Mehta A. R.	"	Growth and Morphogenesis in Excised Roots of Fern
(12)	Dave J. J. and G. Prathapasanan	"	Role of GA ₃ in the Growth of Epicotyl of Cotton (Gossypium herbaceum L. var. Digvijay)
(13)	D. Kamalavalli and C. H. Pathak	"	The metabolism of sorghum seeds as effected by their pre-sowing soaking in water or gibberellic acid
(14)	Kamleshjee P. Lulla	All Asia Conference on "Environmental Studies" organised by Indian Environmental Society, Delhi, 21st May to 10th June, 1975	Pollution problems of a growing city
(15)	Fadia V. P. and Mehta A. R.	63rd Session, Ind. Sc. Congress, Waltair, January, 1976	Growth and Pigmentation in Cucumis melo L. callus tissues cultured in vitro

Sr. No.	Name	Seminar/Conference	Title
(16)	Raval S. K. and Mehta A. R.	63rd Session, Ind. Sc. Congress, Waltair, January, 1976	In vitro Regeneration of Plants from Tobacco Tissue and Organ Culture
(17)	Shah R. R., Rao Shailaja and Mehta A. R.	"	Polyphenol Biosynthesis during Germination in <i>Crotalaria</i>
(18)	Kshirsagar M. K.	"	Morphogenesis in Fern
(19)	Mehta A. R.	C.S.I.R. sponsored Tissue Culture Conference, Poona, 18-21, March 1976	Search for an Ideal system to examine Physiological and Biochemical parameters associated with Differentiation in Higher Plants
(20)	P. K. Bhattacharya	Annual Convention of Chemistry, Roorkee, December, 1975	1. Studies on some mixed schiff base complexes Part V 2. Studies in some mixed ligand complexes containing B-dicarboxyls
(21)	Smt. V. A. Janaki	Indian Council of Social Science Research, JNU-ICSSR Centre, at 35, Firozshah Road, New Delhi-1 on 20-2-1976 to 21-2-1976	Discussion on Geographical Research in India—Problems and Perspectives
(22)	Geeta Desai, D. M. Shringarpure and S. S. Merh	Symposium on Sediments, Sedimentation and Sedimentary Environment held at New Delhi	Western Wagad Mesozoic Sediments and their depositional environments
(23)	N. M. Vashi and S. S. Merh	Seminar held at Wadia Institute of Himalayan Geology, Dehradun	Problem of South Almora Thrust in Kumaon Himalaya

Sr. No.	Name	Seminar/Conference	Title
(24)	O K. Shah and S. S. Merh	Seminar held at Wadia Institute of Himalayan Geology, Dehradun	Spilites of Bhimtal-Bhowali area, Dist. Nainital, U. P.
(25)	S J. Desai, S G. Patel and S. S. Merh	"	Spilite-Keratophyer Sodalite granite association of Ranibag-Amritpur area, Dist. Nainital
(26)	R. V. Karanth and A. N. Shah	"	An interpretation of origin and tectonic setting of the granitic rocks of Almora in Kumaon Himalaya
(27)	J. P. Singhal	41th Annual Conference of the Indian Mathematical Society held at Kanpur from 24-12-1975 to 26-12-1975	Hypergeometric functions on variables
(28)	G. B. Patel, and J. R. Patadia	"	On the absolute convergence of lacunary Fourier series
(29)	J. R. Patadia	"	On the order of magnitude of Fourier Coefficients
(30)	V. M. Shah	12th Annual Conference of the Gujarat Ganit Mandal held at Rajkot during 26th, 27th, 28th October, 1975	Conducted a Discussion on 'Function'
(31)	V. D. Pathak	"	Generalized Analytic Functions
(32)	H. G. Desai, Savita Samsi and V. V. Modi	16th Annual Conference of AMI at Virbhadra during 18-20 October, 1975	Effect of penicillin on carotenogenesis in <i>Blakeslea trispora</i>

Sr. No.	Name	Seminar/Conference	Title
(33)	A. M. Modia, Gira Amin and V. V. Modi	16th Annual Conference of AMI at Virbhadra during 18-20 October, 1975	Effects of Sulphanili acid and aminopterin on growth and flavinogenesis in <i>Eremothecium ashbyii</i>
(34)	H. C. Vaidya, A. N. Kachhy and V. V. Modi	"	Induction of β galactosidase in <i>Lactobacillus</i> Spp.
(35)	Sujata Patel, and P. J. Dave	"	Role of pigment in the Adsorption of Kappa Phages of <i>Serratia marcescens</i>
(36)	Anjana J. Desai, Shaila P. Patel and V. V. Modi	"	Studies on α -aminolevulinic acid synthetase and Haem synthesis in <i>Rhizobium japonicum</i>
(37)	Anupam Wali, A. K. Mattoo and V. V. Modi	"	Purification and Properties of malate dehydrogenase from thermophilic <i>Humicola lanuginosa</i>
(38)	Jyotsana Misra, J. D. Desai and V. V. Modi	"	Phosphorous uptake by <i>Aspergillus nidulans</i> and evidence for the involvement of binding protein in this process
(39)	A. A. Bhagwat and P. J. Dave	"	Effect of lactic Streptococci and Lactobacilli on the growth of artificial contaminants during mould formation

Sr. No.	Name	Seminar/Conference	Title
(40)	K. R. Rao and P. J. Dave	16th Annual Conference of AMI at Virbhadra during 18-20 October, 1975	Studies on inhibition of spore germination in <i>Bacillus Cereus</i> T. by some aliphatic alcohols
(41)	H. S. Chhatpar, V. V. Modi and N. N. Rao	National Seminar on mango and its utilisation held at Calcutta on 14th March, 1976	Problems and perspectives of mango storage
(42)	V. V. Modi	Seminar on Form, Structure and function of plants, held at Anand in October, 1975	Ripening of fruits
(43)	K. K. Rao	Seminar on Enzymatic methodology in Mycology organized by Czechoslavakian Society for Microbiology at BRNG during 19 and 20 June, 1975	Studies on the regulatory aspects of Alkaloid synthesis by tryptophan in <i>fumigatus</i>
(44)	H. S. Desai, and S. R. Pandya	International Conference in Quantum Chemistry, Norway, September, 1970	Calculations of binding energy on electron in dipole field
(45)	S. W. Dharmadhikari	Meeting of IMS at Santa Barbara, California, U.S.A. on 25th March, 1976	Linear Invariate Estimators in Survey Sampling

(d) Talks given at Universities/Institutions

Name	University/Institution	Subject
(1) A. R. Mehta	Botany Department, Poona University	Morphogenesis in Plant Tissue Cultures
(2) C. H. Pathak	M.R. College, Rajpipla, South Gujarat University	Modern Biology and its Social, Political implications
(3) J. S. Dave	Annual Convention of Chemistry, Roorkee	Mesomorphic behaviour of schiff base compounds, Part VIII

Name	University/Institution	Subject
(4) V. M. Shah	(1) South Gujarat University, Surat	Two lectures on 'Banach Spaces'
	(2) R.P.T.P. Science College, S.P. University, Vallabh Vidyanagar	Two lectures on Sets and Functions
(5) V. V. Modi	Botany Department, Delhi University	Professor Maheswari Memorial lectures on (i) Mechanism of Fruit ripening (ii) Importance of genetics in Industrial Microbiology
(6) S. W. Dharmadhikari	(1) University of New Mexico (2) University of Chicago, U.S.A. (3) University of Illinois, U.S.A. (4) Michigan State University (5) Purdue University (6) University of California (Riverside) (7) University of Arizona (8) University of Texas (Elpao)	Statistical Inference, Survey Sampling, Infinitely Divisible Distributions
(7) A. G. Phatak	University of Wyoming, Laramie	Significance Level and size of a Statistical Test
(8) M. Sreehari	University of Sheffield	Limit Theorems for Normalized Sums

(e) Participation in Inservice Programme :

Name of the Teacher	Programme, Place and Dates	Capacity in which participated
H. S. Desai	Workshop in Physics held at Rajkot on 23rd and 24th March, 1976	Expert

5. Activities of newly established and special type of Centres/Units in the Faculty

(1) A Research unit has been established in collaboration with Professors of Paediatrics and Neurosurgery, Medical College, Trivandrum, for the nutritional and bio-chemical studies in Kwashiorkor and Marasmas children in the Bio-chemistry Department.

(2) A research exposition on 'Fourier Analysis' and a short term course on 'New Mathematics for Parents' were arranged by the Department of Mathematics.

(3) The Statistical Service Unit of the Department of Statistics published the Statistical Summary of the Medical Examination Reports of the students of 1971-72, 1972-73 of the M. S. University of Baroda. The total income of the Unit was Rs. 2,350/-. The Unit trained 17 Punch Operators.

(4) The Demographic Research Centre carried out the following research projects:

(i) Factors Influencing Sema-Natal Mortality: An Analysis by Binary Variables Regression Method

(ii) Fetal Wastage in Indian Women.

(iii) Economic Structure of Cities and Towns and their Impact on Urban growth of Gujarat State.

(iv) Fertility Differentials amongst Contraceptors and Non-Contraceptors in India.

(v) Age at Menarche in an Indian Community.

(vi) Some Basic Age Patterns of Indian Women in a Family Planning Programme.

(vii) Current Life Table for Gujarat, 1970.

(viii) Values Attached to Children in Indian Society and Family Size Norms: The Changes and Impact,

(ix) On the Estimation of Sampling Error in Certain Fertility Indices. The Demographic Research Centre published the following:

(1) I. V. Bhanot and Family Planning in Edited proceedings of an All India Seminar on Family Planning in India organised by Demographic Research Centre, Baroda, 1975

(2) Narayan Das An Indirect Approach to Study Inter-Relationship between Infant Mortality and Fertility Demography India, Vol. IV, No. 2, 1975

- (3) Narayan Das and Divya Pandey Baroda Reporter Issue 8, August, 1975. Annual Publication of Demographic Research Centre, Baroda.

6. Faculty Students' Association

Dr. N. S. Pandya Trophy debate was organised on 16th October, 1975 and the trophy was bagged by the Chemistry Department. A running Trophy debate for the School Students of Baroda was instituted by the Faculty Students' Association. The debate was held on 16th February, 1976. The Fertilizer Nagar School Team won the Trophy.

7. Faculty Publications

Sr.No.	Name of Journal	Managing Editor	Month of Publication
(1)	Journal of Animal Morphology Physiology	Professor R. V. Shah	June and December.
(2)	"PAVO" the Indian Journal of Ornithology	Professor R. V. Shah	March and September.
(3)	Baroda Journal of Nutrition	Dr. R. Rajalakshmi	July and December.

8. Distinguished Visitors

Name and Designation	Date of the Visit
(1) Professor H. Y. Mohan Ram, Head, Department of Botany, University of Delhi.	30-10-1975
(2) Professor R. N. Kapil, Editor, Phytomorphology, Department of Botany, University of Delhi.	30-10-1975
(3) Dr. V. N. Gadgil, Scientist, Bose Institute, Calcutta.	17-12-1975
(4) Dr. Banerji, Scientist, B.A.R.C., Trombay, Bombay.	24- 1-1976

Name and Designation	Date of Visit
(5) Dr. R. K. Gupta, Chief Co-ordinator, All India Project on Medicinal and Aromatic Plants, I.A.R.I., New Delhi	25- 3-1976
(6) Professor R. S. Amin, Professor of Horticulture, Gujarat Agricultural University, Anand	29- 3-1976
(7) Dr. R. D. Iyer, Geneticist, I.A.R.I., New Delhi	13- 3-1976
(8) Professor Jiro Yonekura, Professor Emeritus, Hiroshima University, Japan	28-11-1975
(9) Professor A. Jarrett, University of London, U.K.	21- 1-1976
(10) Professor Ram Kumar, Professor and Head, Department of Mathematics, Udaipur University, Udaipur	11- 9-1975
(11) Dr. D. B. Keech, Bio-chemistry Department, Adelaide University, Australia	22- 9-1975
(12) Dr. C. G. Heden, Sweden	8-10-1975
(13) Dr. W. Feldhein, West-Germany	13-10-1975
(14) Dr. C. W. Hasseltine, U.S. Department of Agriculture, U.S.A.	14-10-1975

9. Important Events

(1) Professor S. S. Merh, Head, Geology Department and Dean, Faculty of Science, visited U.S.S.R. and attended the Second Indo-Soviet Symposium on 'Comparative Study of Geology of Caucasus and Himalaya, held at Tbilisi, U.S.S.R. from 31-5-1975 to 15-6-1975.

(2) Dr. B. D. Tilak, Director, National Chemical Laboratory, Poona delivered Dr. C. S. Patel Lectures on 19th and 20th January, 1976, on the following topics:

- (i) Synthesis of novel heterocyclic quinonoid chromophoric systems
- (ii) Synthesis of thiacyclobutadiene derivatives and related heterocyclic compounds

(3) Professor R. N. Singh, Professor and Head, Botany Department, Banaras Hindu University, delivered Professor A. R. Chavan Memorial Lectures on 28th and 29th November, 1975. The subjects were as under:

- (i) Algae and Photosynthesis
- (ii) Algae and Biological Nitrogen Fixation

CHAPTER X (A)—FACULTY OF EDUCATION AND PSYCHOLOGY

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 in various courses during the year was as follows:

(a) Degrees:

	Men	Women	Total
(i) B.Ed.	49	124	173
(ii) S.Y.B.A. (Psy.)	31	47	78
(iii) T.Y.B.A. (Psy.)	20	47	67
Total	100	218	318

(b) Post-graduate Degrees:

(i) M.Ed. (Full-time)	3	3	6
(ii) Jr. M.Ed. (Part-time)	27	7	34
(iii) Sr. M.Ed. (Part-time)	24	6	30
(iv) M.A. Part I (Psy.)	5	14	19
(v) M.A. Part II (Psy.)	6	10	16
Total	65	40	105

(c) Doctorate:

(i) Ph.D. (Education)	18	14	32
(ii) Ph.D. (Psychology)	3	2	5
Total	21	16	37
Grand Total	186	274	460

3. Staff

(a) Present Position:

During the year, the staff of the Faculty (including CASE) consisted of 4 Professors (one of whom is in the senior scale), 8 Readers, 20 Lecturers, 3 Teaching Assistants, 10 Junior Research Fellows, 4 Research Assistants, 19 Class III and 9 Class IV employees.

(b) New Appointments:

- (i) Shri S. D. Joshi as Lecturer in Education transferred from the Faculty of Arts, Department of Sociology.

4. Professional Growth of the Staff

(a) Publication of Articles/Papers:

Name	Title	Name of the journal wherein published with month of publication
(1) Buch M. B.	(i) Innovations in Teacher Education	Alternative Structures and methods in Teacher Education. 1975
	(ii) Linking Teacher Education Programme with the needs of the community	"
	(iii) Baroda Innovations and Teacher Education	"
(2) Desai D. B.	Researches in Achievement Motivation	Naya Shikshak, 1975
(3) Passi B. K. and Lalitha M. S.	A Factorial Study of Creativity, Intelligence and Self-concept of Adolescents	Psychological Studies, 20:9, 50-58, January, 1975
(4) Passi B. K.	Predictive Validity of Bachelor Degree Marks for success in B.Ed. examination, 1975	Educational Trends, 1975
(5) Passi B. K. and Padma M. S.	Research on Teaching and Teacher Behaviour at CASE	Teacher Education, Vol. IX, No. 4, July, 1975
(6) Passi B. K. and Lalitha M.S.	Microteaching: Skill-based Approach	In Passi B.K. (Ed.), Becoming Better Teacher, Sahitya Mudranalaya, Ahmedabad, 1976
(7) Passi B. K. and Malhotra S. P.	Effect of Authoritarian-Democratic Teacher Behaviour upon the likings of the students towards their teachers	Indian Educational Review, Vol. X, No. 1, January, 1975
(8) Joshi D. C.	(i) A Few Dimensions of Curriculum construction in an autonomous school	The Rajasthan Board Journal of Education, July-September, 1975
	(ii) Autonomous Schools	Teacher Today, Winter, 1975-76

Name	Title	Name of the Journal where- in published with month of Publication
(9) Shah Madhuben M.	(i) The Nactt. Perception and Performance of the University Youth in relation to rural and urban areas. (ii) The Nactt. Perception and persormance of the University Youth in relation to their age and faculties	<i>Experiments in Education</i> , Vol 3, Nos. 2 & 3 February and March 1975 "
(10) Panchal B. R.	Setting better question paper	<i>Nootan Shikshan</i> , 1975-76
(11) Darji D. R.	Model Question Papers	<i>Nootan Shikshan</i> , Special Issue, December, 1975
(12) Mukhopadhyay M.	(i) Relationship between Headmaster's Leadership Behaviour and Teacher Moral (ii) Open Education	<i>Orissa Education Journal</i> , 1975 <i>Pratyayan</i> , November, 1975
(13) Pandit S. S.	Indian Education and Arya Samaj	<i>Book Seller</i> , Baroda, December-January 1975-1976
(14) Shelat N. A.	(i) New S.S.C. (Std. X) Model Question Paper and Blue-prints (ii) Shalakiya Bhavavaran (Series 1)	<i>Nootan Shikshan</i> , Gujarati Journal, September-October, 1975 <i>Nootan Shikshan</i> , March, 1975
(15) Lalita M. S.	(i) Skill of Writing Instructional Objectives (ii) Skill of Explaining (iii) Skill of Increasing Pupil Participation (iv) Skill of Using Blackboard	<i>Becoming Better Teacher</i> Sahitya Mudranalaya, Ahmedabad, 1976 " " "

Name	Title	Name of the journal where- in published with month of publication
(16) Bimla Passi	(i) Skill of Introducing Lesson (ii) Skill of Fluency in Questioning (iii) Skill of Probing Questioning (iv) Skill of Reinforcement (v) Skill of Achieving Closure	<i>Becoming Better Teacher</i> , Sahitya Mudranalaya, Ahmedabad, 1976 " " " "
(17) Joshi S. M.	(i) Skill of Stimulus Variation (ii) Skill of Silence and Non-verbalcues (iii) Skill of Illustrating with Examples (iv) Skill of Recognizing Attending Behaviour	" " " "
(18) Patel J. B.	Life Long Education	<i>Nootan Shikshana</i> , September and October, 1975
(b) Publication of Books and Brochures:		
Name	Title	Name of the Publisher with month of Publication
(1) Buch M. B.	(i) Studies in Teaching and Teacher Behaviour (ii) Becoming Better Teacher Micro Teaching Approach	Sahitya Mudranalaya, Ahmedabad, 1976 "
(2) Passi S. K.	Becoming better Teacher: Microteaching Approach	"
(3) Buch Piloo M.	Measurement of Innovation Anthology of Tools	"
(4) Pandit S. S.	A Critical Study of the Contribution of the Arya Samaj to Indian Education	<i>Sarvadeshik Arya Pratinidhi Sabha</i> , 3/5 Dayanan Bhawan, Ramlila Maidan, New Delhi, December, 1975

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

Name of the Teacher	Name, place and Dates of the Conference, Seminar	Title of the paper presented
(1) Buch M. B.	(i) UNESCO meeting of the Seminar on Innovation and Teacher Education at Khatmandu, October, 1975.	Case Studies in Teacher Education
	(ii) International Conference on Micro-Teaching, University of Lancaster, February, 1976	Research in Micro Teaching—a plan of action
	(iii) UNESCO meeting at Tokyo, Japan, March, 1976	Guide lines for advanced workshops for Teacher Educators
	(iv) South Gujarat University, Surat, October, 1976	Review of programmes in the area of educational technology in India
	(v) A. G. Teachers College, Ahmedabad, September, 1975	Issues in Teacher Education
	(vi) Gujarat Vidyapith, Ahmedabad, April, 1975	The New Pattern of Education in Gujarat
(2) Desai D. M.	(i) U.G.C. Seminar held at Mysore, August, 1975	Problems involved in developing question bank and adopting sessional assessment in Universities
	(ii) U.G.C. Seminar on Examination Reform, Bombay, February, 1976	The adoption of grading system in colleges and universities.
	(iii) H. J. College of Education Khar, Bombay, 9th August, 1975	Some conflicts and contradiction in Examination Reforms.
(3) Passi B. K.	(i) State Board of Teacher Education, Baroda, 1975	Research Designs in Educational Research
	(ii) M. S. Bureau of Text Book Production and Curriculum Research, Poona, August, 1975	Follow up of Orientation course of Research in Curriculum and Text Book Production.

Name of the Teacher	Name, Place & Dates of the Conference/Seminar	Title of the Paper presented
(4) Yadav M. S., D. C. Joshi and M. Mukerjee	(iii) Research Seminar for Teacher Educators at Surat, Hajira, October, 1975	Probability Sampling
	(iv) Workshop in Microteaching in collaboration with NCERT, August, 1975	Technical component skills
	(v) Installing Microteaching in Colleges of Education, Borsad, December, 1975	Microteaching: An Innovation in Student Teaching
	(vi) Grading System, NCERT, January, 1976	Grading System: Various Approaches
	(vii) International Conference on Microteaching, Lancaster, February, 1976	International Transfer of Self Instructional Materials between various Countries
	(viii) Educational Research in India, North Ireland	Review of Research in Microteaching in India
	(ix) Second Workshop Organized by NCERT, New Delhi, March, 1976	Collecting and Integrating of Researches in Microteaching
	Seminar organized by the Gujarat Agriculture University, Anand—December 1975	Teaching Methods and Evaluation with reference to semester system.
	Navsari—January 1976 Junagadh—January 1976	
(5) Yadav M. S. and R. Govinda	U.G.C. Seminar on Educational Technology, Surat, October, 1975	Evövement of an instructional strategy to teach a course in B. Ed.
	(6) Joshi D. C. New Dimensions in Teacher Education, Vidya Bhawan Teacher College, Udaipur, June, 1975	Innovations in Teacher Education
(7) Darji D. R.	(i) Conference of Principals of Tamilnadu Secondary Schools, Coimbatore, November, 1975	Leadership Behaviour

Name of the Teacher	Name Place & Dates of the Conference/ Seminar	Title of the paper presented
(8) Shelat N. A.	(i) Conference on 10+2 in Collaboration with Regional College of Education, Bhopal	Instructional Materials and Library Facilities for New Pattern (10+2)
	(ii) at Udavada, Summer School	(i) Organizational Climate and Teacher Morale in Schools (ii) Teacher Behaviour
	(iii) Bulsar Acharya Sangh Seminar, Bilimora	Supervisory practices on secondary schools
	(iv) Panchmahal District Association of Teachers, Santrampur	Concept of Organizational Development in secondary school
	(v) Teachers' Association, Dabhoi	Leadership behaviour and teacher morale in secondary schools
	(vi) Dohad School Teachers' Seminar, Dohad	Institutional Planning
	(vii) Principals and Senior Teachers Symposium, Baroda	Recent Trends in Education

(e) Participation in In-service and other Programmes:

Name of Staff Member	Name of the Seminar/ Workshops	Capacity in which participated
(1) Buch M. B.	(i) All India Seminar on Higher Education	Director
	(ii) National Seminar on Micro-Teaching	Director
	(iii) Meeting of Indian National Commission In Co-operation with UNESCO	Member
	(iv) Meeting of Educational Research and Innovation, NCERT	Member

Name of Staff Member	Name of the Seminar/ Workshops	Capacity in which participated
(2) Passi B. K.	(i) International Conference in Microteaching, Lancaster	Participant
	(ii) Educational Research Trends in India, Ulster	Participant
	(iii) First Workshop in Micro-teaching by the NCERT and CASE	Participant
	(iv) Research Seminar for Teacher Education at Surat	Participant
	(v) Grading System, NCERT, New Delhi	Participant
	(vi) Workshop organized by NCERT, New Delhi	Director
(3) Joshi D. C.	Family Planning Workshop organised by the Federation of Gujarat Mills and Industries, Baroda	Participant
(4) Kum. Shah M. M.	(i) Seminar on 10+2+3 by V. G. Bureau, D.E.O. and Extension Department, Baroda for the teachers of Panchmahal District, Godhra	Participant
	(ii) Workshop for the framework of the Handbook of Science for Standard X organised by Gujarat State School Text-book Board, Ahmedabad	Participant
	(iii) Workshop on the Evaluation of the Text-book of Science for Standard VII organised by Gujarat State School Text Book Board, Ahmedabad	Participant
	(iv) Workshop on the preparation of the Handbook of	Participant

<i>Name of Staff Staff</i>	<i>Name of the Seminar/ Workshops</i>	<i>Capacity in which participated</i>
	Science for Standard V organised by Gujarat State School Text-book Board, Ahmedabad	
(5) Darji D. R.	(i) Seminar on 10+2 organised by NCERT, Gujarat State Government, Baroda (ii) Worked as a Resource Person in the Seminar/ Workshop on Model Question Papers	Reviewer Resource Person
(6) Kum. Patel S L.	Seminar on Teaching of Gujarati in Standard X, Bulsar	Participant
(7) P. K. Dongre	(i) Seminar-cum-Workshop on 'Teaching of English' at Baroda (ii) Veda Samaroha. M.S.U. Baroda	Resource Person Academic Convener
(8) Shelat N. A.	Seminar on Population Education organised by the Federation of Cujarat Mills and Industries, Baroda	Participant
(9) Lalita M. S.	(i) Seminar on Microteaching Dev Samaj College of Education, Ferozpoore. (ii) Installing Microteaching in Colleges of Education at Borsad (iii) Second Workshop on Microteaching at NCERT, New Delhi	Resource Person Resource Person Participant
(10) Passi Bimla	(i) Seminar on Microteaching Dev Samaj College of Education, Ferozpoore	Resource Person

<i>Name of Staff Mamber</i>	<i>Name of the Seminar/ Workshops</i>	<i>Capacity in which participated</i>
	(ii) Second Workshop in Microteaching at NCERT, New Delhi	Participant
	(iii) Installing Microteaching in Colleges of Education at Borsad	Resource Person
(11) Smt. Joshi S. M.	(i) Seminar on Microteaching Dev Samaj College of Education, Ferozpoore (ii) Second Workshop on Microteaching at NCERT, New Delhi	Resource Person Participant
(12) Professor A. S. Patel	(i) Pan African Conference in Psychology, Nairobi Kenya, E. Africa (ii) All Gujarat Symposium on re ent problems and pattern in Education (with special reference to 10 + 2 + 3), September, 1975 (iii) Indian Science Congress Association	Guest Speaker Organizer Elected Sectional President, Psychology and Educational Science for the year 1976-77
(13) Dr. N. S. Pathak	(i) Workshop on Question Bank, S. P. University Vallabh Vidyanagar (ii) Workshop on Improvement of Syllabus, S. P. University, Vallabh Vidyanagar	Participant Participant
(14) Shri J. B. Patel	Seminar on Achievement Motivation at Malsar	Organizer

5. Centre of Advanced Study in Education

(1) Collaboration with other Institutions :

The Centre has collaborated with and extended co-operation to the following organizations in carrying out programmes of academic and professional importance :

NCERT, U.G.C., Colleges of Education Gujarat, Colleges of Education Punjab, University of Lancaster U.K., Indian Association of Programmed Learning, National Institute of Bank Management, All India National Association of Catholic Schools (AINACS), Jeruits Association (India), Baroda Municipal Corporation and Gujarat Agricultural University, etc.

(2) Seminars :

The Centre organized the following seminars at the national level during the year:

(i) The first workshop in microteaching was organized in collaboration with NCERT in order to orient the teacher educators to the technical skills of teaching and microteaching technique in August, 1975.

(ii) The second workshop in Microteaching was organized by NCERT in order to collate and interpret the results of studies undertaken in microteaching, in March, 1976.

(iii) A seminar was organized on "Teaching and Evaluation in Higher Education and the Role of the University Department of Education" in March, 1976.

(iv) A series of three one-day seminars for the teachers of M. S. University of Baroda were conducted.

(3) Review of Progress of Reforms Introduced in the Faculty/Institution :

(i) Microteaching : An innovative programme of training teachers was designed and implemented during the year 1975-1976.

(ii) Programmed Learning : As a new method of teaching the course on Measurement and Evaluation to B.ED. students was carried out for all the students. The course on 'Research Methods' for M.Ed. students was also taught through Programmed Learning technique.

(iii) Team Teaching : A small scale exploratory attempt was made to find out the feasibility of introducing team teaching in the training of teachers.

(4) New Experiments and Research Projects :

(i) The Centre has collaborated with the Baroda City Municipal Corporation for a programme, "School Improvement Project".

(ii) The Centre has completed the preparation of the manuscript for the revised and updated edition of its publication "A Survey of Research in Education".

(5) Visitors :

- | | |
|---|---|
| (1) Professor Rais Ahmed
Director,
N.C.E.R.T.,
New Delhi | (5) Dr. Hardman,
Educational Advisor,
British Council,
Bombay |
| (2) Dr. J. L. Azad,
Planning Commission
New Delhi | (6) Dr. S. V. Kelkar,
M. S. Board of Text Book
Production and Curriculum
Research, Poona |
| (3) Dr. Kim Sibley,
Kent State University,
U.S.A. | (7) Dr. James Ruston,
School of Education,
Manchester University,
Manchester, U.K. |
| (4) Professor Suresh Shukla,
Jamia Milia Islamia
Teachers College,
Delhi | (8) Dr. Honeybone,
Head,
Department of Education,
University of London, U.K. |

6. Department of Extension Services

This year the department had many responsibilities to handle and organise workshops, seminars and conferences fulfilling the need and demands of the schools of not only the four districts under its jurisdiction, but of the schools of whole of Gujarat. As Gujarat is on the brink of a revolutionary change in the existing educational pattern of education (10+2) the responsibility of the department has increased in that direction also. Thus, conferences, seminars and workshops for the new pattern of education and preparing model question papers for new S.S.C.E. was the core programme of this year along with the other orientation programmes.

(1) Summer School of Education:

This year the Summer School of Education was organised on the following trends in Education at Udvada from 5th to 10th May, 1975.

- (a) 10+2 Pattern of Education in Gujarat, its implementation and various problems

- (b) Organizational Development: (i) Organizational Climate (ii) Staff Morale, (iii) Teacher Behaviour and (iv) Motivation of Students and Classroom Climate.

The participants were 54 principals of secondary schools from Panchmahals, Baroda, Surat and Bulsar Districts.

(2) *Seminars, Workshops and Conferences:*

The Department organised in all 16 Seminars, Workshops and Conferences at Baroda, Bulsar, Dohad, Dabhoi, Kheda, Santrampur and Godhara on various topics concerning the Secondary Education. About 2000 Principals and Teachers of the Secondary Schools participated in the above Programmes.

(3) *Other Events:*

- (i) Dr. (Smt.) Jayaben Patel received a National Award for her paper on 'Leadership Training in Schools'.

- (ii) Dr. S. J. Mehta won the 2nd prize in the programme arranged by the State Institute of Education.

7. **Important Event:**

(1) A Symposium on "Some Problems and Patterns of Education Today with special reference to the new pattern of 10+2+3" was organised by the Faculty on 25th September, 1975. The then Minister of Education, Gujarat State, Shri Navalbhai Shah inaugurated the Symposium.

(2) *Workshop in Psychology:*

Under the auspices of the University Grants Commission, New Delhi, a Workshop in Psychology to suggest the measure for modernizing the syllabi at the Undergraduate and Post-graduate levels in Psychology, was organised by the Department of Psychology on 20, 21, 22 November, 1975 at the Faculty of Home Science Auditorium. Dr. R. Rath of Utkal University was nominated by the U.G.C. as the Convenor and Prof. A. S. Patel as the Director of the Workshop. About 35 delegates from Gujarat, Rajasthan and Maharashtra States participated in the Workshop.

(3) A Conference on New Pattern of Education (10+2) was organised by the Regional College of Education, Bhopal and Directorate of Education, Ahmedabad in collaboration with the Department of Extension Services, Faculty of Education and Psychology on 8th, 9th and 10th February, 1976 in the Faculty of Education and Psychology. The Principals of Training Colleges and District Education Officers in Gujarat State participated in the Conference as delegates. There were about 25 delegates. The Conference was inaugurated by Hon. Shri Bhailal Contractor, the then Minister of Industries, Mines etc., Gujarat State on 8th February, 1976. It was followed by group discussion and sessions on 8th (afternoon) 9th and 10th February, 1976.

CHAPTER X(B)—UNIVERSITY EXPERIMENTAL SCHOOL

1. **Courses of Study**

The school continued to follow the syllabus and the courses prescribed by the Department of Education, Government of Gujarat and the S.S.C. Examination Board of the Gujarat State.

A new syllabus has been introduced in Std. X which is now known as New S.S.C. Class.

2. **Number of Students**

	Boys	Girls	Total
(1) Primary: I to VII	180	129	309
(2) Secondary: VIII to XI	116	88	204
Total	296	217	513

3. **Staff**

	Post-graduate Trained Teachers	Graduate Trained Teachers	Others	Total
(1) Primary Section	1	1	4	6
(2) Secondary Section	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 various programmes :

(1) Sarve Shri Mahendra Chokshi, Mahesh Amin and Smt. Bhakti Pandya attended the Seminar on 13th and 14th September, 1975 organised by the Faculty of Education and Psychology and the Head Master Association for setting the model question papers of New S.S.C. (Std. X) according to the New Syllabus.

(2) Shri S. R. Patel attended the Seminar on 26th and 27th February, 1976 organised by the Faculty of Education and Psychology on Courses and the Streams 'A' and 'B' of Higher Secondary Schools.

(3) Shri Mahesh Amin participated in the Seminar on Population Education organised by N.C.E.R.T. and Gujarat Rajya Shikshan Bhavan at Ahmedabad from 11th to 14th January, 1976. He worked as a resource person in the workshop organised by Gujarat Text Book Board at Ahmedabad for preparing a handbook in Science for Std. V and a Text Book of Science for Std. VII.

(4) Sarvashri Mahendra Chokshi, S. R. Patel and Kanti Rana worked as Committee members for planning a curriculum for better Family Education at the Secondary level with co-operation of the Federation of Mills and Industries.

5. Experiments and Activities

Class	Project	Remarks
(1) VIII and IX Class Students	'Let us Visit'	Social Studies
(2) VI Class Students	'Crops'	Social Studies
(3) VII, VIII and IX Class Students	'Enjoy Art'	Fine Arts

6. Results of Examinations

(1) The result of the S.S.C. Examination held in April, 1975 was 95%. Chi. Nikhil Vaidya stood 6th and Chi. Urvi Dholakia 10th in Baroda Centre.

(2) The pupils of the school appeared at the following external examinations:

	Result in percentage
(i) Elementary Drawing Grade	58.8%
(ii) Intermediate Drawing Grade	55.5%
(iii) Shishta Vachan	70%
(iv) Hindi Examinations	
(a) Balpothi	81.1%
(b) Paheli	52.6%
(c) Dusari	77.6%
(d) Tisari	70%
(v) Bhartiya Vidya Bhavan Sanskrit	
(a) Balbodh	100%
(b) Prathma	100%
(c) Dvitiya	100%
(vi) Sahitya Parishad Aswad	76%

7. Awards and Prizes

(1) Chi Chandresh Kantibhai Rana won a prize in the Soviet Land Nehru Award Drawing Competition and got invitation to spend holidays at Artok near the Black Sea in the Summer Vacation. He is the seventh pupil of our school to win this unique prize.

(2) Awards in Sports:

Name	Prize	Competition
(i) Chi. Sanjay Chandorkar and Chi. Rajiv Shah of Std. XI	Selected as players	Baroda Cricket Association

Name	Prize	Competition
(iii) Chi. Bhadresh Jhaveri VII	First Prize	Swimming competition organised by Hari Om Ashram
(iv) Chi. Rajiv Mehta IX	A Prize	Swimming competition organised by the Banyan City Jaycees
(v) Chi. Nilkamal Gadkari V	A Prize	Swimming competition organised by the Banyan City Jaycees
(vi) Chi. Vihang Pathak IX	A Prize	Swimming competition organised by the Banyan City Jaycees
(vii) Chi. Jigar Patel VIII	A Prize	Swimming competition organised by the Banyan City Jaycees

(3) The following pupils won the prizes in the Baroda District Madhyastha Kridamandal Ramatotsava.

(i) Chi. Rajesh Jhaveri X	Long Jump	Second
"	100 Meters Running	Third
(ii) Chi. Roshan Shaikh X	Javelin Throw	First
"	High Jump	Third
(iii) Chi. Rupal Palmer IX	Javelin Throw	First
"	Put in Short	First
(iv) Chi. Vahida Shaikh VIII	High Jump	First
(v) Chi. Seema Patel VIII	Long Jump	Third
(vi) Chi. Shraddha Shah IX	Put in Shot	Second
(vii) Chi. Keyur Patel IX	High Jump	Second
(viii) Girls Team of the School	Dodge Ball	First
"	Relay Race	Third
"	Throw Ball	Third

(4) Awards in Debates:

Name	Prize	Elocution competition held by
(i) Chi. Perin Meruwala XI	First	Baroda Citizens' Blood Donation Society
(ii) Chi. Amit Bhatt VIII	Second	Baroda Citizens' Blood Donation Society
(iii) Chi. Rajesh Desai XI	Third	Baroda Citizens' Blood Donation Society

Name	Prize	Elocution competition held by
(iv) Chi. Seema Patel VIII	A Prize	Elocution Competition held by Aryakanya Vidyalaya
(v) Chi. Shefali Nanavati IX	A Prize	Elocution Competition held by Aryakanya Vidyalaya
(vi) Chi. Rajesh Desai XI	Third	Elocution Competition held by Microbiology, Faculty of Science
(vii) Chi. Meera Bhatt VIII	First	Elocution Competition held by Gujarat Hindi Vidyapith
(viii) Chi. Neha Nanavati VII	Second	"
(ix) Chi. Amit Bhatt VIII	A merit certificate	U.S.O. Conference
(x) Chi. Shraddha Shah IX	A merit certificate	U.S.O. Conference
(xi) Chi. Shyam Verma XI	} First	Sanskar Quiz Competition
(xii) Chi. Naresh Desai XI		
(xiii) Chi Sarvadaman Rajjada XI		
(xiv) Chi. Amit Bhatt VIII	First and a rotation shield	Zonal Elocution Competition held by Baroda Citizens Blood Donation Society
(xv) Chi. Perin Marawala XI	Third	"
(xvi) Chi. Rajesh Desai XI	Fourth	"

8. Other Events

(1) The pupils of the school sent Rs. 201/- to the Prime Minister to help the victims of Chasnala Mines Disaster.

(2) The Annual Function of the school was held on 10-3-1976.

(3) There were 19 visitors to the school and they gave interesting talks on the subject of their specialization.

CHAPTER XI—FACULTY OF COMMERCE

1. Courses 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 1975-76 was as under:

Class	Men Students	Women Students	Total
(1) Under-graduate Diploma in Co-operation	8	—	8
Total	8	—	8
(2) F.Y.B.Com.	524	231	755
(3) S.Y.B.Com.	685	306	991
(4) T.Y.B.Com.	932	266	1,198
Total	2,141	803	2,944
(5) Post-graduate Diploma in Banking	20	29	49
(6) Post-graduate Diploma in Co-operation	6	2	8
Total	26	31	57
(7) M.Com. Part I	313	52	365
(8) M.Com. Part II	198	28	226
Total	511	80	691
(9) Ph.D.	2	1	3
Grand Total	2,688	915	3,603

3. Staff

The staff of the Faculty consisted of 3 Professors, 7 Readers, 24 Lecturers, 7 Teaching Assistants, 3 Part-time Lecturers, 11 Class III and 24 Class IV

employees as on 31st March, 1976. The Faculty of Law and the Department of Mathematics made arrangements for teaching of the subjects of Mercantile Law and Mathematics respectively.

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

4. Professional Growth of the Staff

(a) Publication of Articles:

Name of the Staff member	Title	Name of the Journal wherein published with month of publication
(1) Dr. K. R. Shah (Jointly with Professor D. T. Lakdawala)	Finance of Universities in Gujarat	Economic and Political Weekly, Vol. X No. 2, 17th May, 1975.
(2) Dr. K. R. Shah (Jointly with Dr. S. Srikantiah)	Relative Earnings of School Teachers and Industrial Workers in India	Indian Journal of Industrial Relations, Vol. II, No. 2, October, 1975.
(3) Shri G. R. Shah	What is Profit? Is it uniquely determinable?	M. S. University Journal, July, 1975.
(4) Shri Dilip R. Shah	Impact of the Operation Flood Project on Dairy Development of India	Indian Society of Agriculture Conference Number of July-September, 1975, Vol. XXX, No. 3.

5. Co-curricular Activities

(1) Besides the Faculty Students Association, the students of the Faculty organised the Economics Students' Association.

(2) The Faculty won the scroll in the Inter Faculty debating competition on 'Co-operation'.

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:			
M.B.B.S.	Men	Women	Total
1st year	104	30	134
2nd year	137	28	165
3rd year	146	19	165
4th year	108	15	123
5th year	130	22	152
	Total	625	114
			739
(2) Post-graduate Diplomas :			
D.A.	5	2	7
D.C.P.	4	1	5
D.G.O.	6	4	10
D.L. and O.	3	—	3
D.M.R.D.	3	—	3
D.O.	5	1	6
D.C.H.	4	2	6
T.D.D.	3	—	3
D.V.D.	4	—	4
	Total	37	10
			47
(3) Post-graduate Degrees :			
M.D.	25	6	31
M.S.	19	2	21
M.Sc.	20	15	35
Ph.D.	8	3	11
	Total	72	26
			98
Grand Total	734	150	884

3. Staff

(a) Present Position

The staff of the College consisted of a Dean, 30 Professors, 31 Assistant Professors, 28 Tutors, 13 Other Gazetted Staff, 12 Honorary Professors, 6 Honorary Assistant Professors, 3 Honorary Part-time Assistant Professors, 3 Part-time Junior Lecturers, 2 Full-time Surgeons/Physicians, 103 Class III and 95 Class IV employees.

(b) New Appointments:

(1) Dr. (Smt.) M. Sood	Tutors in Anatomy
(2) Dr. V. R. Patel	Tutors in Physiology
(3) Dr. S. V. Desai	Tutors in Pharmacology
(4) Dr. P. R. Jain	
(5) Dr. P. S. Shroff	
(6) Dr. S. P. Pandya	
(7) Dr. N. V. Ambani	
(8) Dr. R. M. Oza	Tutors in Pathology
(9) Dr. (Smt.) G. D. Joshi	
(10) Dr. S. V. Sheth	Tutors in Preventive and Social Medicine
(11) Dr. (Smt.) S. K. Amin	
(12) Dr. K. J. Pathak	
(13) Dr. (Smt.) N. P. Mehta	
(14) Dr. P. S. Bhatt	Tutors in Medicine
(15) Dr. (Kum.) H. J. Patel	Assistant Professor of Obstetrics and Gynaecology
(16) Dr. (Kum.) K. V. Pawar	
(17) Dr. (Smt.) P. S. Patel	Assistant Professor of Paediatrics
(18) Dr. R. C. Vora	Tutors in Anaesthesia
(19) Shri M. G. Mandan	
(20) Shri H. K. Suthar	Tutor in Radiology
(21) Dr. U. H. Vyas	Radiographers
	Assistant Professor of Plastic Surgery

(c) Teachers Upgraded to Higher Positions:

(1) Dr. (Smt.) H. A. Thakkar	Assistant Professor of Physiology
(2) Dr. (Kum.) J. P. Mehta	Assistant Professor of Surgery
(3) Dr. (Kum.) R. G. Buch	Assistant Professor of Obstetrics and Gynaecology
(4) Dr. P. S. Nagpaul	Professor of Orthopaedic
(5) Dr. (Smt.) S. S. Sabnis	Professor of Anaesthesia

(d) Teachers who left:

(1) Dr. (Kum.) M. R. Varde	Assistant Professor of Retired. Embryology	Resigned
(2) Dr. R. V. Limaye	Tutors in Anatomy	Resigned
(3) Dr. R. P. Vasani		
(4) Dr. M. H. Thakkar	Tutors in Physiology	Resigned
(5) Dr. P. R. Jain	Tutor in Pharmacology	Resigned.
(6) Dr. (Kum.) N. B. Mehta	Assistant Professor of Pathology	Resigned.
(7) Dr. N. D. Patel	Tutors in Pathology	Resigned.
(8) Dr. D. S. Prajapati		
(9) Dr. P. T. Patel		
(10) Dr. S. V. Sheth	Tutor in Medicine	Resigned.
(11) Dr. A. T. Phatak	Assistant Professor of Paediatric	Resigned.
(12) Dr. (Kum.) D. P. Shah	Assistant Professor of Anaesthesia	Resigned.

4. Shri Sayaji General Hospital

The Hospital is a teaching institution attached to the Medical College for imparting Clinical instructions to under-graduate and post-graduate students.

It has the following units: 6 Medical, 6 Surgical, 3 Obstetrics and Gynaecology, 2 Paediatrics, 1 Dental, 1 E.N.T., 3 Orthopaedics, 1 Anaesthesia and 1 Psychiatric. Students are posted under these Units for their Clinical training. The total bed strength is 924. Average daily in-patient attendance and O.P.D. attendance for the year 1975-76 was 1117.61 and 1433.45 respectively.

The professional growth of the staff of the S.S.G. Hospital is as under:

(a) Research papers published:	
(1) Dr. N. G. Sanghavi	"Efficacy and Toxicity of Trimethoprim Sulfamethoxazole in Typhoid Fever" published in the Journal of Association of Physicians of India, May, 1975.
(2) Dr. (Smt.) N. B. Swami	The Vacuum Extractor (Study of 725 cases), printed in The Journal of Obstetrics and Gynaecology of India" Vol. XXV, No. 5, p. 604-606 October, 1975,
(b) National Assignments:	
(1) Dr. C. P. Munshi	(i) Carried out inspection of Berhampur Medical College (Orissa State) on behalf of the Medical

Council of India regarding facilities, staff, training of post-graduate students for M.D. (Medicine) and inspecting the conduction of M.D. (Medicine) examination, in September, 1975.

- (ii) Carried out inspection of Surat Medical College on behalf of the Gujarat Medical Council.
- (iii) Chairman, Scientific Committee Gujarat State Branch (I.M.A.).
- (iv) Organiser of Scientific Programme at Annual Conference Gujarat State Branch (I.M.A.) at Surat in May, 1975.
- (v) Chairman of Panel-discussion "Medical Cocktail" held at Surat in May, 1975.
- (vi) Panel Speaker on "Drugs and Jaundice" at the 3rd Convention of Physicians of Gujarat at Surat in February, 1976.
- (vii) Co-Chairman for short papers on atherosclerosis at World Congress on Vascular Diseases in March, 1976.
- (viii) Member, Gujarat Medical Council.
- (ix) Member of Editorial Board, Gujarat Medical Bulletin, Medicine and Surgery.
- (x) Member of Citizen's Council, Baroda.

(2) Dr. A. B. Kothari

- (i) Selected as Lecturer at All India Medical Conference held at Bareilly (UP) and gave a lecture on Acute Abdomen.
- (ii) Chairman in Oncology Scientific Session of Association of Surgeons of India at Ahmedabad in last week of December, 1975.

(c) Attendance at Conferences:

(1) Dr. B. T. Dave

All India Diabetes Conference, Bombay, November 1975, Chairman of one session.

Review paper on "World Literature on Insulin in last decade."

(2) Dr. N. G. Sanghavi

Participated in panel discussion on "Jaundice" in the 3rd Convention of Association of Physicians of Gujarat held at Surat on 8th February, 1976.

(3) Dr. A. B. Kothari

- (i) Invited as "Guest Lecturer" at the 89th Sri Lanka Medical Conference held at Colombo from 24th to 27th March 1976 and attended the same and gave a Lecture and was given a certificate of honour.
- (ii) Attended I.M.A. Conference held from 22nd to 30th December, 1975 held at Bareilly (UP).
- (iii) Attended the first conference of Surgery in Tropics held in January, 1976 at Bombay.
- (iv) Attended the 3rd Asian Congress of Paediatric Surgery held at Bombay from 14th to 16th February 1976.
- (v) Attended International Academy of Proctology Conference held at Bombay on 21st March, 1975.

(4) Dr. K. M. Shah

(i) All India Surgeons Conference at Ahmedabad in December, 1975.

(5) Dr. B. C. Patel

- (i) All India Surgical Conference, Ahmedabad in December, 1975.
- (ii) Conference on "Surgery of Tropics" at Bombay in January, 1976.

(6) Dr. R. F. Patel

Attended All India Surgeon's Conference at Ahmedabad in December, 1975.

(7) Dr. (Smt.) N. B. Swami

- (i) 2nd International Seminar on Perinatal Mortality, Sterilisation and M.T.P. at Bombay.
- (ii) 1st All Gujarat Conference of Obstetrics and Gynaecology at Baroda.

(8) Dr. M. S. Sudhalkar

Attended the Gujarat Ophthalmic Conference.

- (9) Dr. G. V. Merchant Attended the Annual Orthopaedic Conference at Goa in September, 1975.
- (10) Dr. S. R. Trivedi (i) Annual Conference of Indian Orthopaedic Association at Goa, in September, 1975.
(ii) Annual Conference of Association of Surgeons of India at Ahmedabad in December, 1975.
- (d) *Awards:*
- (1) Dr. B. T. Dave Founder Fellow of All India Institute of Diabetes.
- (2) Dr. A. B. Kothari Awarded the "Oration Award of Gujarat State Branch of I.M.A." and Oration lecture was on Abdominal Surgery and was delivered in May, 1975 at Surat in State Conference, and presented with Silver Replica Award of P. R. Trivedi's Oration.
- (e) *Other Activities:*
- (1) Dr. A. B. Kothari Invited as lecturer in various medical associations of I.M.A. in Gujarat. Operations of Hemihepatectomy, Endoantereotomy with saphemous vein grafting are done.
- (2) Dr. (Smt.) N. B. Swami Member of the Gujarat State M.T.P. Board.
- (3) Dr. S. R. Trivedi Planning to organise Bone Pathology, Registry—A study of post-operative infectious incidence and casuation.

5. 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.

<i>Particulars</i>	<i>Number</i>
(1) Average number of students making use of the Library and/or the Reading Room daily	375
(2) Average number of teachers making use of the Library and/or the Reading Room daily	75
(3) Total number of books issued to students during the year	50000
(4) Total number of books issued to teachers during the year	5000

The details regarding the stock and expenditure of the Library:

	<i>Number</i>	<i>Cost Rs.</i>
(1) Books (including back Nos. of Journals as on 1-4-1975)	17822	—
(2) Books written off during the year	11	497-10
(3) Books added during the year (including Back Volumes)	323	25,604-65
(4) Books as on 31-3-1976	18751	—
(5) Journals subscribed during the year	168	47,410-30
(6) Amount spent on binding during the year	559	5,402-25
(7) Total amount spent for Library and/or Reading Room during year		78,417-20

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 Rasashala and an Out-patient Department. Twenty beds are available for Ayurvedic Clinical Research and inpatient treatment in the S.S.G. Hospital, Baroda.

2. **Staff**

The Staff of the Unit consisted of a Head, a Honorary Physician, a Research Officer, an Assistant Research Officer, 3 Class III and 4 Class IV employees.

3. **Library**

The total number of books is 2,531.

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 have also been kept. Section of Ayurvedic Pharmacological Medicines is also maintained. There are about 1,000 Ayurvedic specimens, 54 herbarium frames, 7 original Ayurveda photo frames, 75 specimen jars of fresh herbs preserved in solution, 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:*

(a) A combination of oral contraceptive is being prepared from (i) Vidanga.

(ii) Shuddha Tankan and (iii) Pippali

(b) "Amruta Ghana" is being prepared from *Tinospora Cordifolia*.

(2) *General Ayurvedic O.P.D.:*

During the year 1975-76, 17,015 old cases and 1,483 new cases—total 18,498 cases were registered in the O.P.D. of the Unit.

6. **Research Work**

In the year of 1974 to 1975, the scheme of the Clinical Trial of the aqueous extract of *Tinospora Cordifolia* was extended and about 50 patients of arthritis were treated with *Tinospora Cordifolia*. This plant was also screened for its anti-inflammatory activity in experimental models in rats. The results of the clinical trial were presented at the 8th National Seminar on Rheumatic Diseases, held at New Delhi.

CHAPTER XIII—FACULTY OF TECHNOLOGY AND ENGINEERING

1. **Courses of Study**

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

2. **Number of Students**

	Men	Women	Total
(i) Diploma	274	—	274
(ii) Post-Diploma Diploma	5	—	5
(iii) Degree	2,467	88	2,555
(iv) Post-Graduate Diploma	6	—	6
(v) Post-Graduate Degree	83	1	84
(vi) Ph.D.	—	—	—
Grand Total	2,835	89	2,924

3. **Staff**

(a) *Present Position:*

During the year the staff of the Faculty consisted of 19 Professors (5 of whom are in the senior scale), 31 Readers, 138 Lecturers, 4 Senior Instructors, 1 Junior Instructor, 6 Teaching Assistants, 2 Visiting Professors, 12 Visiting Lecturers, 163 Class III and 98 Class IV Servants.

(b) *New Appointments:*

- (1) Prof. S. K. Banerjee, Professor of Pharmaceutical Chemistry
- (2) Dr. G. C. Kothari, Reader in Electrical Engineering
- (3) Smt. Dhingra Ranjit Kaur, Lecturer in Bio-Chemistry
- (4) Dr. K. P. S. Raj, Lecturer in Pharmacognosy-cum-Biology
- (5) Shri A. V. Bangalore, Lecturer in Textile Engineering
- (6) Shri D. P. Shah, Lecturer in Civil Engineering
- (7) Shri D. T. Shete, Lecturer in Civil Engineering
- (8) Shri M. J. Shah, Lecturer in Electrical Engineering
- (9) Shri H. G. Rajput, Lecturer in Mechanical Engineering
- (10) Shri N. M. Shah, Lecturer in Metallurgical Engineering

(c) *Teachers appointed to higher positions:*

- (1) Dr. V. S. Thattey, Professor of Applied Mechanics
- (2) Shri A. M. Shah, Reader in Electrical Engineering at the Polytechnic
- (3) Shri P. D. Vyas, Lecturer in Civil Engineering
- (4) Shri M. M. Godke, Lecturer in Civil Engineering

(d) Teachers who left :

- (1) Professor K. H. Patel, Professor of Textile Engineering
- (2) Dr. D. C. Kantawala, Professor of Civil Engineering
- (3) Shri N. C. Murthy, Reader in Chemical Engineering
- (4) Dr. K. K. Thakkar, Reader in Electrical Engineering
- (5) Shri M. G. Ghate, Lecturer in Mechanical Engineering
- (6) Shri G. G. Lele, Lecturer in Textile Chemistry
- (7) Shri B. A. Majmundar, Lecturer in Electrical Engineering.
- (8) Shri K. B. L. Agarwal, Lecturer in Mechanical Engineering
- (9) Shri V. Y. Randive, Workshop Instructor

4. Professional Growth of the Staff

(a) Publication of articles/papers :

Sr.No.	Name	Title	Where published
(1)	Shri S. N. Patel and Dr. S. K. Damle	Ultimate Strength of Reinforced Concrete Deep beams in flexure	Journal of Technology No. 11 and 12 Jan./July 1974, published by M. S. U., 1975
(2)	Dr. V. S. Thattey	(i) Strain Factors and Moment Factors for Singly and Doubly Reinforced Beams under Repeated Loading (ii) A Theory of Bending for Doubly Reinforced Rectangular Reinforced Concrete Sections subjected to Direct compressive force and Bending Moment	Journal of the American Concrete Institute (Detroit), December, 1975 Journal of Technology No. 11 and 12 Jan/July 1974 published by M. S. U., 1975
(3)	Dr. R. C. Desai and Shri C. S. Lalwani	Discrete Maximum Principle for Time Delay Systems	E.T. Divn. Journal I.E. (I) August, 1975
(4)	Dr. Dipak Kumar De	Conventional Swells and its Engineering Problems	J.T.A. Textile Number, February, 1976.
(5)	Prof. S. B. Pandya	Pyrolytic dextrinization of acidified starch	Chemical Industry Developments incorporating (P and E), March, 1975

Sr.No.	Name	Title	Where published
(6)	Dr. V. Seshadri and Shri V. K. Gupta	On the structure of CaO-SiO ₂ -Al ₂ O ₃ slags	Arch. Eisenhütten West-ern Germany 45, No. 5, p. 331, 1974
(7)	Dr. V. Seshadri and Mr. K. Schwerdtfeger	Rate of Oxidation of liquid iron covered with a slag and layer	Journal of Iron and Steel making (London), No. 1 p. 56-59, 1975
(8)	Dr. V. Seshadri	Effect of Zinc on Spheroidal graphite formation in Magnesium treated cast irons	Journal of Tech. and Engg. p. 65-67, 1974
(9)	Dr. V. N. Misra and Dr. P. R. Khangaonkar	(i) Reduction rates of Manganese ore pellets by Hydrogen (ii) Pre-reduction studies of Manganese arc pellets by Carbon monoxide (iii) Pre-reduction of Manganese ores (iv) Sintering behaviours of low-grade Manganese ores	Trans. Ind. Inst. of Metals 28, (2), p. 168, April 1975 Trans. Ind. Inst. of Metals 28 (3) June, 1975. Jr. Inst. of Engrs. (India) 50, M. M. p. 15, March 1975 Jr. Inst. of Engrs. (India) 50, M. M. p. 26, March, 1975
(10)	Shri S. Misra, K. I. Vasu and D. Kumar	Effect of Trace Additions on the Ageing and Related Properties of Aluminium Magnesium alloys	Trans. Ind. Inst. Metals 28 (2), p. 142, 1975
(11)	Shri S. Misra and Shri K. Vasu	Effect of Magnesium content on the Age Hardening and related properties of Binary Aluminium alloys	Trans. Ind. Inst. Metals 28 (6), p. 479, 1975
(12)	Shri N. M. Shah, S. A. Paranjpe and S. Banerjee	Sub-critical crack growth and fracture toughness measurements in En-24 steel. Part-I, Effect of tempering temperature and specimen thickness.	Trans. Ind. Inst. Metals, 27 (3) P. 130-136, June 1974
(13)	Shri S. A. Paranjpe, N. M. Shah and S. Banerjee	Subcritical Crack growth and fracture toughness measurements in En-24 steel, Part-II, Validity of measurements	Trans. Ind. Inst. Metals 27 (3) P. 137-142, June, 1974

Sr.No.	Name	Title	Where published
(14)	Dr. J. R. Pandya and Shri C. L. Saraf	Micro-indentation hardness of natural of Synthetic Crystals 1. Microhardness of Barite Studies in Mixed	Journals of Tech. and Engg. 1976
(15)	Dr. J. M. Lohar and D. S. Shah	Mesomorphism: Determination of Latent Transition Temperatures by Extrapolation	Mol. Cryst. Lig. Cryst., 28, 293-304, 1975.
(16)	Dr. J. M. Lohar	(i) Exhibition of Nematic Mesophase in Binary Mixtures of Schiff's Bases	J. de. Physique (Paris), Collque (1), 393, 1975
		(ii) A study of mixed liquid crystal formation in mixture of p-methoxy and p-ethoxybenzoic acids	Ibid, P. 349, 1975
(17)	Dr. J. M. Lohar and Shri G. H. Patel	Studies in mixed liquid crystals. Reliability of extrapolation methods	University Science 44, 887, 1975
(18)	Dr. J. S. Dave and Dr. R. A. Vora	Mesomorphic behaviour of substituted phenyl benzoates- I: p-(P'-n-alkoxy-benzoyloxy) toluenes	Praman Suppl. 1, 387, 1975
(19)	Dr. J. S. Dave and Shri George Kurian	(i) Low melting thermotropic liquid crystals p-p-di-substituted phenyl benzoates II. (a) p-(p-n-alkoxy-benzoyloxy) aceto-phenone (b) pip-n-alkoxybenzoyloxy) benzaldehydes	J. Phys. (Peris) Cl., 1975
		(ii) Mesomorphic behaviour of cholesteryester-VI-I6-n-alkoxy-2-naphthoates	Praman Suppl. 1, 1975

Sr. No.	Name	Title	where published
(20)	Shri S. R. Agrawal and Dr. C. M. Patel	(i) On the degree of approximation of the generating function by the partial sums of its Fourier Bessel series	Matematicki Glasnik, (11). 1976
		(ii) On the convergence and Riesz summability of a Fourier Bessel series	Jnanabh Sec. A., 1975
		(iii) On the convergence of Fourier Bessel series	Aligarh Bulletin of Math., 1976
		(iv) On the convergence of Fourier Bessel series	Ball Acad. Polon des. sci. Sir, Sci. Math. Astronom Phys., xxiii 1-9 1975
		(v) On a Fourier-Bessel series of special kind	Mathematickix Vesnik, 13 (28), 3-8, 1976.
		(vi) On the order of coefficients and convergence of a Fourier Bessel series of a differentiable function	Indian Journal of Pure and Applied Mathematic, 1976
(21)	Shri R. M. Pancholi	An approach to style study	C. V. Gandhi Vidya-Bhavan Journal, Surat, March, 1976
		(b) Books published:	
(1)	Satish Misra, Dr. Dharmendra-kumar and Shri M. K. Bhargava	Basic Principles of Metallurgy (in Hindi)	Rajasthan Hindi Granth Academy. Jaipur, 1975

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

Sr.No.	Name of the Teacher	Name, Place and Date of the Conference/Seminar	Title of the paper presented
(1)	Dr. A. V. Shroff and Prof. P. V. Parikh	5th Asian Regional Conference at Bangalore from 24th to 26th December, 1975	(i) Consolidation behaviour of clays (ii) One dimensional theory of consolidation
(2)	Shri U. P. Sinha and Dr. V. Seshadri	National Seminar on Metals and Materials, Baroda, 14th, 15th March, 1975	Metallurgical Aspects of some stainless steel
(3)	Shri D. K. Basa and Dr. V. Seshadri	Seminar on "Furnaces for Metallurgical applications" I.I.M. Baroda chapter, 13th January, 1976	Use of Natural Gas in cupola melting
(4)	Dr. V. N. Misra and Dr. P. R. Khangaonkar	Annual Tech. Meeting of I.I.M. held at Jamshedpur, 15th-18th November, 1975	(i) 'Structural changes during sintering of Mn. Ores (ii) 'Effect of various properties of reductants on mechanical properties of pre-reduced Manganese ore pellets
(5)	Dr. V. N. Misra and Dr. P. R. Khangaonkar	National Seminar on Metal and Materials in Chemical Industries held at Baroda 14th-15th March, 1976	Electrochemical Machining of stainless steel
(6)	Dr. V. Seshadri	Seminar on Curriculum Development, I.I.T. Bombay, 24th March, 1976	Some Thoughts on Curriculum Development Engineers Educations
(7)	Shri R. M. Pancholi	6th All India Conference of Linguists 13-14-15 January, 1976	Bilingualism and Taboo Words

(d) Talks given at different Universities:

Sr. No.	Name of the Teacher	University/Institution	Subject
(1)	Dr. S. K. Damle	(i) Engineering Research Institute Gujarat State, Baroda on 1-8-1975 (ii) Railway Staff College Baroda from 23rd to 26th August, 1975	Bridge Bearings Numerical methods and Fortran IV Programming for Engineers
(2)	Dr. V. Seshadri	M.R. College of Engineering, Rajasthan University, Jaipur	Thermodynamics aspects of iron and steel making (4 lectures).
(3)	Dr. R. V. Joshi	Physics Department, Gujarat University, Ahmedabad	Luminescence of Solid

(e) Participation in Inservice Programme:

(i) The Department of Metallurgical Engineering, Baroda conducted short term course on "Welding Metallurgy" in collaboration with the I.I.M. Baroda Chapter and All India Manufacturers from 19th to 26th January, 1976.

The following lectures were delivered in the short-term course:

Name of the Teacher/Expert	Date	Topic
(1) Dr. V. Sheshadri	19-1-1976	Physical Metallurgy of Metals
(2) Mr. W. H. Hartley, Mummus, U.K.	19-1-1976	Welding of Aluminium in Heavy Construction
(3) Shri S. K. Aggrawal	20-1-1976	Changes in Metals during welding
(4) Shri S. V. Nadkarni, Chief Welding Engineer, M/s Advani Oerilikon Ltd., Baroda	20-1-1976	Welding of Carbon and Low alloys Steels
(5) Shri M. R. Shah, M/s Jyoti Ltd., Baroda	21-1-1976	Repair of Welding

Name of the Teacher Expert	Date	Title of Talk
(6) Shri M. S. Mamath, Supervising Engineer, E.I.L., Baroda.	22-1-1976	Testing of Welded Joints
(7) Shri K. S. Jayaraman, Bharat Heavy Plate and Vessel Ltd., Vizegapattan	23-1-1976	Welding of Stainless Steel

5. Textile and Allied Industries Research Organisation (TAIRO)

- (1) TAIRO has further improved the design of TAIRO Web Super Stripper and the working of the new model is found satisfactory. This patent is now commercialised. About 60 units are installed at the various Textile Mills of India.
- (2) TAIRO has again undertaken the design and development work of Open End Spinning Machine and one Laboratory model has been developed for one of the technical institutes in South India.
- (3) As reported last year, TAIRO has designed and developed 18" wide Hopper Feeder and installed at one of the Synthetic Fibre manufacturing unit at Baroda.
- (4) The Scheme on Flatless Card is started. The card was purchased and the revolving tops were removed after making minor alteration on the flexible bend, TAIRO has fitted 4 stationary flats supplied by M/s. English Card Clothing Co., Ltd., England and trial was conducted to find out the quality of the web. It has been found that the quality is quite comparable to the revolving flat carding machine. However, detailed study on this subject is essential. TAIRO has also designed one extra licker-in-roller which will be fitted on the above card.
- (5) TAIRO has designed and developed a Miniature Stationary Flat Card on the lines of Shirley Miniature Card and after taking the sufficient trial for cotton and synthetic fibres the same was supplied and installed at one of the CSIR Laboratory, Jorhat (Assam).
- (6) The new improved Shade-O-Meter is now ready for commercial exploitation. This unit is developed from all the indigenous available electronic components.

- (7) TAIRO has decided to publish a book "TAIRO In the Progress of Textile Industries" containing all the articles of TAIRO concerning the Textile Industry and take out a second edition of the above book as a historical publication to show the progress made over a period of two decades from 1954-1974.
- (8) Over and above, TAIRO has tested various materials used in Textile Industry. Jute Bag testing is also being carried out by TAIRO.

6. Library

The reading room of the Library has a sitting accommodation for 130 readers. The working of the library is so arranged as to make for the maximum utilization of the books and facilities.

Particulars	Numbers
(1) Average number of students making use of Library and/or reading room daily.	800
(2) Average number of teachers making use of the Library and/or the reading room daily	100
(3) Total number of books issued to students during the year	10,000
(4) Total number of books issued to teachers during the year	3,000

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

Particulars	Numbers of Books	Bound periodicals	Cost in Rs.
(1) Books including back numbers of journals as on 1-4-1975.	46803	6320	19,39,230
(2) Books written off during the year.	78	—	892
(3) Books added during the year upto 31-3-1976.	854	545	99,530
(4) Books as on 31-3-1976	47579	6865	20,37,868
(5) Journals subscribed during the year	180	—	—
(6) Amount spent on binding during the year	—	—	5,573
(7) Total amount spent for Library and/or Reading Room till the end of the year.	—	—	20,43,441

8. Important Events

(1) Gift of High Temperature Graphite Furnace

In recognition of past scientific achievements, the Alexander Bon Humboldt Foundation, West Germany has gifted a high temperature furnace costing nearly one lakh of rupees to Dr. V. Seshadri for pursuing his subject of research on diffusion and high temperature studies involving metals and slags in the M. S. University, Baroda. The equipment has been received and is in the process of installation.

(2) Dr. V. Seshadri was awarded Kamani Gold Medal for the second time for the best paper published in the Transactions of the IIM in year 1973 (Studies on the Viscosity of high Alumina Slags).

(3) Shri N. M. Shah was awarded Kamani Gold Medal for the best paper published in the Transactions of the IIM in the year 1974 (Study on—Subcritical crack growth and fracture toughness measurements in En-24 steel. Part-I—Effect of Tempering temperature and specimen thickness. Part-II—Validity of measurement.)

CHAPTER XIV—FACULTY OF FINE ARTS

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 in various classes during the year was as under :

Year/Class	Men Students	Women Students	Total
(a) Certificate			
1st Year	3	1	4
2nd Year	9	2	11
Total :	12	3	15
(b) Diploma			
1st Year	28	7	35
2nd Year	24	1	25
3rd Year	26	1	27
4th Year	19	2	21
5th Year	19	2	21
Total :	116	13	129
(c) Post-Diploma Diploma			
Junior	8	1	9
Senior	2	—	2
Total :	10	1	11
(d) Degree			
1st Year	10	20	30
2nd Year	9	15	24
3rd Year	14	8	22
4th Year	17	13	30
5th Year	14	4	18
Total :	64	60	124

Year/Class	Men Students	Women Students	Total
(e) Post-graduate Diploma			
Junior	6	2	8
Senior	5	—	5
Total :	11	2	13
(f) Post-Graduate Degree			
Junior	6	6	12
Senior	9	3	12
Total :	15	9	24
(g) Ph.D.			
	4	—	4
Total :	4	—	4
Grant Total :	232	88	320

In addition to the above there were 18 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 1 Professor in the senior scale, 7 Readers, 20 Lecturers, 1 Teaching Assistant, 1 Taxidermist, 1 Part-time Photographer, 1 Part-time Instructor, 12 Class III and 17 Class 14 employees.

(b) Shri M. S. Deshpande is appointed as Lecturer in Process and Block-making from 30th July, 1975.

(c) Shri N. B. Joglekar, Reader in Graphic Arts, retired from University services.

4. Professional Growth of the Staff

(a) Publication of articles :

Name of the Teacher	Title	Journal
(1) Dr. V. H. Bedekar	(i) Programmed instructions in Museology an experiment	<i>Studies in Museology : Vol. XI, 1976</i>
	(ii) Some observations on Building requirements of small Museum.	<i>The Small Museum, Museum Association of India, 1975</i>
(2) Dr. Ratan Parimoo	(i) New set of early Rajasthani Paintings.	<i>Lalit Kala N. 17, New Delhi.</i>
	(ii) 'Kistch', The Vulgarisation of Art.	<i>The Times of India, 16-9-1975</i>

(b) Publication of Books

Name of the Author	Title	Publisher
Dr. Ratan Parimoo	Studies in Modern Indian Arts	'Kanak' Publications, New Delhi, 1975

(c) Papers presented at Seminars, and Conferences, etc.

- (1) Shri Gulam Sheikh read a paper on 'Impact of Expressionism on Bombay progressive Artists' Group at the National Gallery of Modern Art, New Delhi. Shri Mahendra Pandya and Shri Jeram Patel also attended the seminar.
- (2) Shri Gulam Sheikh participated in the Seminar on "Works Project" organised by Lalit Kala Academy, New Delhi, and presented a paper on 'Publication Programme' of the Akademi.
- (3) Dr. V. H. Bedekar and Shri R. P. Shah attended the Annual General Meeting of the Museum Association of India, and a Conference on Museum Training held in Poona in January 1976.

(d) *Talks/Lectures*

Teacher	University/Institution	Subject
(1) Shri R. P. Shah	Numismatic Society of Gujarat.	Conservation and preservation of coins.
(2) Dr. Ratan Parimoo	Archaeological Survey of India, Southern Circle, Madras.	History of Indian Painting—3 Lectures.
(3) Shri V. K. Bhatt	Children Camp Art Camp—Shreyas Foundation, Baroda.	Aesthetic approach to Indian Art—(2 Lectures)
(4) Shri Gulam Sheikh	National School of Drama, New Delhi	Some Master pieces of Western Art
(5) Shri Gulam Sheikh	School of Architecture Ahmedabad,	

(e) *Participation in Inservice Programme*

- (1) Prof. K. G. Surbarmayan attended Asian Assembly meet in Sydney (Australia) organised by the World Craft Council from 15th to 23rd May, 1975. He was also invited on a lecture tour to Canada under the Shastri Indo-Canadian Institute Programme in the months of February and March, 1976.
- (2) Shri Jeram Patel, Prof K. G. Subramanyan, Shri Jyoti Bhatt and Shri Gulam Sheikh were elected Artist members to the General Council of the Lalit Kala Academy, New Delhi.
- (3) Shri Jeram Patel and Shri Gulam Sheikh have been elected members of the Executive Board of the Lalit Kala Academy, New Delhi. Shri Gulam Sheikh was elected to the Publications Committee and nominated to the Sahitya Akademi.
- (4) Shri Jeram Patel was appointed member of the Purchase Committee of the Lalit Kala Academy, and member of the All India Board of Technical Studies in Applied Arts.
- (5) Shri V. C. Shah and Shri Gulam Sheikh were invited to participate in Artists' Camp held respectively at Mount Abu and at Haryana.
- (6) Dr. Ratan Parimoo was appointed member of the Committee for "Research on Tradition and Social History of Indian Art" by the University Grants Commission, New Delhi.
- (7) Shri G. C. Bhatt, Shri M. D. Pandya and Shri Deepak Kannal were elected as Regional Members of Sculpture Forum, New Delhi.

- Shri M. D. Pandya was elected as Vice President and Shri Deepak Kannal as Joint Secretary.
- (8) Kumari Kumud Patel has been nominated as a member on the Gujarat State Film Award Advisory Committee.
 - (9) Dr. V. H. Bedkar continued to work as Vice President of the Museums Association of India and as Editor, Studies in Museology, the Journal of the Department of Museology. He helped the Natural History Museum of the Department of Science and Technology of the Government of India in planning Displays on Botany and Paleobotany.
 - (10) Shri R. T. Parikh and Shri R. P. Shah continued to work respectively as Honorary General Secretary and Treasurer of the Museum Association of Gujarat.
 - (11) Shri R. T. Parikh, under the auspices of the Museum Association of Gujarat organised an exhibition on "Janter Manter" from 7th to 14th January, 1976 in the Department of Archaeology as a part of celebration of the Museum Week.
 - (12) Shri R. P. Shah was elected as a Honorary Secretary of the Baroda Philatelic Society for the year 1976.

5. *Exhibitions by the Staff Members*

- (1) Shri Jeram Patel and Kumari Nasreen Mohmadi held exhibitions of their works at New Delhi.
- (2) Dr. Ratan Parimoo arranged a one man show of his paintings at Bombay.
- (3) Shri Feroz Katpitia, Shri Jeram Patel, Shri Vinodray Patel and Shri M. D. Pandya arranged a group show of their works in Bombay.
- (4) Shri G. C. Bhatt was invited as a guest Artist to participate in the Annual Exhibition of Gujarat State Lalit Kala Academy.
- (5) Shri V. R. Patel and Shri V. S. Patel were awarded prizes for Graphics at "Group 8" Annual Exhibition, New Delhi and Shri V. C. Shah at the Gujarat State Lalit Kala Annual Exhibition.
- (6) Shri Jeram Patel received the National Award for Catalogue Design, New Delhi and a prize at the All India Exhibition of Drawing at Lucknow.
- (7) Shri Jyoti Bhatt was awarded Bronze Model at International Nikkon Photo Contest, 1975, Japan.
- (8) The Staff Members (Shri M. D. Pandya, Shri G. C. Bhatt, Shri Deepak Kannal, Smt. Jyotsna Bhatt), and students (Shri Kidwai,

Kum. Latika Katt, Shri Janak Narzary) participated in the exhibition of Sculptors forum held at Bombay and New Delhi.

6. Faculty Union Activity

(1) The following students received prizes at the Fine Arts Exhibition arranged by the Baroda Municipal Corporation:

- (i) Shri Pravin Patel and Shri Dhananjay Pathak (Graphic)
- (ii) Shri Lalit Gupta, Shri Janak Narzari and Senapati (Sculpture)
- (iii) Shri V. C. Dave and Kum. Shrelekha Gorpade (Painting)

(2) The following students won prizes at the Gujarat State Annual Art Exhibition:

(i) Kum. Kakoli, Shri Chhaya, Shri Jadhav, Shri Vikram Shah, Shri Dhananjay Pathak and Shri Walliyathan.

(ii) Kum. Archana Kumar was invited to exhibit her Drawings at a special Exhibition of Drawings and Graphics at New Delhi.

(iii) Students of the Faculty of Fine Arts went on study tour to Halebid and Balur etc. The Museology students went on study tour to Museums at Bombay, Poona and Surat.

(iv) The Fine Arts Fair was arranged in January, 1976 and a collection of Rs. 10,000/- approximately was made.

(3) The Faculty of Fine Arts completed 25 years last year. To Commemorate this occasion a large scale exhibition was arranged in Jahangir Art Gallery from 22nd to 30th October. It included the works of staff members, students as well as alum artists represented by paintings, sculpture, drawings, prints, photographs, posters and layouts. Some of the well known alumni represented were Santosh, Bhupen Khakar, Mrunalini Mukherji, Rohit Mody and others.

A special portfolio consisting of 13 silk screen prints made by well known artists of Baroda was prepared on this occasion. The Photographic Section gave a graphic picture of the campus and the studios.

7. Exhibitions arranged by the Faculty of Fine Arts

(1) An exhibition of colour reproductions of the paintings of Turner and Constable to celebrate the BI-CENTENARY of these two

important British Painters was arranged in the Faculty Exhibition Hall from 1st to 6th January, 1976.

(2) An exhibition was arranged by the Faculty on Paintings, Sculptures and Graphics on the occasion of the Silver Jubilee of the M. S. University as well as the Faculty of Fine Arts from 12th to 20th December, 1975.

(3) An exhibition of photographs of the works of the great Italian Artist, Michelangelo was arranged in the Exhibition Hall from 24th to 29th November, 1975.

(4) An exhibition of Madhubani Folk Paintings was on show in the Art Gallery from 6th to 9th August, 1975. These works were loaned by Mr. Hoops for display.

(5) An exhibition titled "Portraits and Self Portraits" consisting of photographs and colour reproductions of famous portraits in Painting and in Sculpture by great artists from various civilizations of the world was arranged in the art Gallery of the Art History Department in the first half of October, 1975.

(6) An exhibition of "Stuttgart in Photographs" was arranged by courtesy of Max Muller Bhavan, Bombay in the Exhibition Hall from 16th to 19th July, 1975.

8 Library

	<i>Books (including back numbers of Journals)</i>	<i>Total value in Rs.</i>
Number the beginning of the year	5888	1,03,238-49
Number added during the year	110	5,116-55
Number at the end of the year	5998	1,08,355-04

(2) Periodicals :

The total number of periodicals and journals subscribed to now stands at 11, while the amount spent for this purpose was Rs. 2974-96 P. The amount spent for binding was Rs. 380-2 P.

(3) 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 numbers of students making use of the Library—218.
(per day)
- (ii) Average number of teachers making use of the Library—32.
(per day)
- (iii) Average number of books issued per day for Home Reading—97.
- (iv) Average number of books issued per day for reading in the premises
—738.

9. Visitors

- (1) Prof. Walter Spink, Scholar of Indian Art, Michigan University,
Ann Arbor, U.S.A.
- (2) Dr. Rick Ascher, Professor of Indian Art, Hinnespplis, U.S.A.
- (3) Mr. Emile Marze, Director, Menton Biennale, Menton, France.
- (4) Shri Jehangir Sabavala, Well known Painter, Bombay.
- (5) Mr. Fitzgimmons, American Poet.

CHAPTER XV—FACULTY OF HOME SCIENCE

1. Courses of Studies

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

2. Number of Students

Class	Men	Women	Total
(1) B.Sc. (Home)			
First Year	—	269	269
Second Year	—	219	219
Third Year	—	152	152
Fourth Year	—	147	147
Total	—	787	787
(2) Post-graduate diploma in Dietetics	—	23	23
(3) Post-graduate diploma in Pre-school Education	—	23	23
(4) Junior M.Sc.	—	54	54
(5) Senior M.Sc.	—	49	49
(6) Ph.D.	1	5	6
Total	1	155	155
Grand Total	1	941	942

3. Staff

(a) Present Position:

The staff of the Faculty including Chetan Balwadi consisted of 3 Professors (two of whom are in the senior scale), 7 Readers, 35 Lecturers, 3 Teaching Assistants, 2 Teachers, 18 Class III and 33 Class IV employees.

(b) New Appointments:

(1) Dr. (Smt.) Veena Mistry, Dr. (Smt.) Atula Derasari, Smt. Prerna Mohite, Kum. Jaya D. Patel, Dr. (Smt.) Yogini Pathak and Kum. Indira Malaya as Lecturers in Child Development.

(c) Teachers appointed to Higher Positions:

Dr. T. S. Saraswathi, was appointed as Reader in Child Development.

(d) Teachers who left the University:

- (1) Kum. Rashmi Grover, Lecturer in Clothing and Textiles.
- (2) Kum. Virbala Shah
 and
 Lecturers in Child Development
- (3) Dr. (Smt.) Anjani Saran

4. Professional Growth of the Staff

(a) Publication of Articles:

Sr. No.	Name	Titles	Name of the Journal wherein published with month of publication
(1)	Dr. (Kum.) Nalini Ogale and Smt. K. Srinivasan	Effect of training on students' money management attitude and practices	Indian Journal of Home Science, Vol. 9, No. 1, January, 1975
(2)	Dr. T. S. Saraowathi	Changes in immediate memory span: A longitudinal study of children from 3-5 years of age	Indian Educational Review, 1975

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

Sr. No.	Name of the Teacher	Name of the Conference	Title of the paper presented
(1)	Dr. (Smt.) Veena Mistry	Integrated Pre-Primary and Primary Training, Baroda	Family and Homes in the Curriculum of Teacher Education.

5. Activities of Newly Established and Special Type of Centres/Units in Faculty

The Regional Centre for the Scheme of Integration of Nutrition Education in the Primary Science Curriculum was established at the Faculty in the Foods and Nutrition Department with the Head of the Department as the Director of the Scheme. Under this scheme a workshop was held for developing instructional materials in nutrition to use in a refresher course for primary school science teachers to be conducted later on. The Co-sponsors of the scheme and the workshop were the UNICEF, the NCERT, the State Department of Education, the Inspectorate of Education, C.A.S.E. in the M. S. University. A total grant of Rs. 2,10,500/- was made for the Centre in three phases (three years).

6. Faculty Union Activities

The Faculty Students Association contributed Rs. 3,752/- towards the M. S. University Silver Jubilee Fund.

7. Visitors

Smt. Hansaben Mehta, the first Vice-Chancellor of the University visited the Faculty and inaugurated the Faculty Silver Jubilee Celebrations on 1st February, 1976.

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 1975-76 was as under:

	Men	Women	Total
(1) Master of Social Work			
Juniors	25	16	41
Seniors	27	14	41
(2) Diploma in Industrial Relations and Personnel Management	17	—	17
Total	69	30	99

3. Staff

(a) Present Position:

The staff of the Faculty consisted of 1 Professor, 3 Readers, 6 Lecturers, 1 Agency Supervisor, 1 Teaching Assistant, 9 Class III and 7 Class IV employees. Shri G. B. Thakar and Smt. Vijyaben Pawar were invited to teach a course on 'Juvenile Delinquency and Correctional Administration' and 'Community Development I (Rural and Urban)' respectively.

4. Professional Growth of the Staff

(a) Publication of Articles/Papers:

Sr. No.	Name of the Teacher	Article	Name of the Journal published
(1)	Shri S. R. Yardi	Professional Journal in the Field of Social Work	Prepared Social Work Review Journal of the Faculty of Social Work. 1975-76
(2)	Smt. Varsha Anjaria	Home Safety	'Suraksha' National Safety Council, Gujarat

(c) Participation to Inservice and other Programmes:

Sr. No.	Name of the Teacher	Programme	Capacity in which participated
(1)	Prof. (Kum.) Indira Patel	(i) 3rd International Asian Regional Seminar on 'The Development of Teaching Resources and Interdisciplinary Communication' held at 'Hongkong' from 20th August to 8th September, 1975	President, Association of Schools of Social Work in India
		(ii) Social Work Education and Research Work meeting organised by U.G.C. at Delhi on 28-11-1975	Member on Panel of Advisors to U.G.C.
		(iii) National Workshop on 'Women and Development' organised by National Institute of Public Co-operation and Child Development at Mysore from 26th January to 3rd February, 1976	Participant
		(iv) 7th meeting of National Institute of Social Defence Government of India, New Delhi held on 20-3-1976	Member
(2)	Smt. Varsha Anjaria	(i) Orientation of Teachers for organising Group Living Camp Lecture cum Paper at Alembic Vidyalay, Baroda on 1-4-1975	Consultant
		(ii) Leadership Development Camp organised by Baroda City Youth Federation, Baroda on 28-9-1975	Speaker
		(iii) Programme Planning for working with Tribal Women with special reference to international women's year on 9-2-1976	Lecturer

Sr. No.	Name of the Teacher	Programme	Capacity in which participated
		(iv) Seminar on 'Safety at Home' organised by the National Safety Council on 4-3-1976	Speaker
		(v) Celebration of 'World Day for Disabled, organised by Public Education Committee, Baroda on 21st to 26th March, 1976	Convener

5. Library

(a) The following statement gives the details of acquisitions by the Library of the Faculty during the year under report:

	Books including bound periodicals	Pamphlet	Total value in Rupees	
	1	2	3	4
Number at the beginning of the year		8889	2550	97,783-50
Number added during the year		61	—	3,485-19
Number written off		—	—	—
Number remaining at the end of the year		8950	2550	1,01,268-69

The total number of periodicals subscribed by the Library stands at 31.

6. Other Activities

- (1) The Child Guidance Clinic gave treatment to 128 children.
- (2) The N.S.S. Cell helped in planning, conducting and evaluating the Orientation Camps of Student Leaders and Programme Officers of South Gujarat and Saurashtra Universities. The Co-ordinator visited 26 Camps in the year 1975-76.

7. Visitors

	Name	Date of Visit
(1)	Shri Navinchandra M. Barot, Minister for Labour, Municipalities and Town Planning, Gujarat State, Gandhinagar.	5-12-1975
(2)	Mr. F. F. Richardson, Management Consultant, Bombay	16-2-1976
(3)	Dr. William J. Cousins, Chief Integrated and Developmental Activities Section, UNIEF, New Delhi	18-2-1976
(4)	Swami Chinmayanandji, Ramkrishna Ashram, Rajkot	20-2-1976
(5)	Shri Sharad D. Gokhle, Assistant Secretary General, International Council of Social Welfare, Asia and Western Pacific Region, Bombay	22-2-1976
(6)	Shri Bhailalbhai Contractor, Minister of Industry, Gujarat State, Gandhinagar	22-2-1976

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

The Institute conducted two types of Inservice Training Programmes, Social Welfare and Panchayati Raj. The training besides theory teaching heavily depends upon Laboratory work for technical skills, human relation skills, manual work skills and on field training for operational skills.

(1) Social Welfare Training :

(a) Integrated Child Development Services Scheme Workers received training under this scheme. Workers are deputed from all over country by the C.S.W.B. and Department of Social Welfare, Government of India.

Courses	Duration	No. of Trainees admitted		No. of Trainees completed	
		Men	Women	Men	Women
(i) Orientation to I.C.D.S. Instructors of Anganwadi Workers Training Centre	4 Weeks	1	16	1	16
(ii) Orientation to I.C.D.S. for Supervisors	2 months (One group)	—	9	—	9
(iii) Orientation to I.C.D.S. for Supervisors	4 Weeks (One group)	—	30	—	30
(iv) Orientation to I.C.D.S. for Supervisors	5 Weeks (One group)	—	12	—	11
Total :		1	67	1	66

(b) Five Teachers of Social Welfare attended 12 days Orientation Training Course in I.C.D.S. at Delhi.

(c) As part of Practical training to S.W. Trainees—Supervisors and Extension Service to Family and Child Welfare Projects run by Gujarat State Social Welfare Advisory Board in Gujarat, 3 Staff Development Workshops for the Staff (Balsevika, Grihasevika and Mukhya Sevika of Nine Projects) were organised.

(d) For the practical field experience to the participants of one I.C.D.S. Supervisors course a Block Placement Study Four was arranged at KASA Mother-Child Health Nutrition Model Project.

(2) Panchayati Raj Training :

(a) Type of Course

Course	Duration	No. of Trainees admitted		No. of Trainees completed	
		Men	Women	Men	Women
(i) Pre-Service Basic Training Course for Village Panchayat Secretaries	6 months (One group)	40	—	40	—
(ii) Orientation Course for V.P. Secretaries	21 days (Four groups)	159	—	159	—
(iii) Institutional Courses for Non-officials of Village Panchayat	7 days (Two groups)	55	—	55	—
Total :		254	—	254	—

(b) Shri J. S. Shah, Hon. Principal attended a two-day Seminar on Panchayati Raj Training in Gujarat at Gandhinagar.

(c) Self-development Camp for Friends Society members was held at the Institute for two days.

(d) An experimental work camp for the inmates of Receiving Centre for Beggars, Baroda was organised at the Institute for three days.

(e) As part of extension work for other developmental programme, camps of Family Planning Male Sterilisation were held, and operations were carried out at the Institute premises.

(3) Visitors

- (i) Shri M. S. Dayal, Dy. Secretary, Department of Social Welfare, Government of India.
- (ii) Shri Shrikantbhai Sheth—Ex-Commissioner, Backward Class and Member, Bhil Seva Mandal, Dohad (Panchamahals).
- (iii) Shri C. C. Doctor, Development Commissioner, Gujarat State, Gandhinagar.
- (iv) Shri Gordon Alexander, Unicef Field Representative, Bombay.
- (v) Mrs. June Mehra, Design Officer, Communication Media, Unicef, New Delhi.

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 LL.B. (General)	474	66	540
(b) 2nd LL.B. (General)	108	21	129
(c) LL.B. (Special)	144	21	165
Total	726	108	834
(2) Post-graduate Diploma Courses:			
(a) Diploma in Taxation Laws and Practice (D.T.P.)	144	15	159
(b) Diploma in Labour Laws and Practice (D.L.P.)	81	15	96
Total	225	30	255
(5) Post-graduate Degree Courses:			
(a) LL.M. Part I	38	2	40
(b) LL.M. Part II	4	2	6
Total	42	4	46
Grand Total	993	142	1,135

3. Staff

(a) Present Position:

During the year, the staff consisted of 1 Professor, 2 Readers, 3 Lecturers, 12 Part-time Professors, 2 Visiting Professors, 4 Class III and 4 Class IV employees.

4. Professional Growth of the Staff

(a) Shri N. J. Shah, Professor H. C. Dholakia and Shri N. N. Buch attended 15th Conference of All India Law Teachers' Association at Rajkot from 27th to 29th December, 1975

(b) Shri N. J. Shah has been nominated as a member on the Governing Body of the Indian Law Institute, New Delhi.

(c) Professor H. C. Dholakia has been reappointed by the Government of India as a member on the Central Official Language Legislative Commission, New Delhi.

5. Lectures

Name	No. of Lectures	Subject
(1) Justice Shri D. A. Desai	10	Company Law
(2) Principal D. Desai	3	Negotiable Instrument Act and other topics

CHAPTER XVIII—ORIENTAL INSTITUTE

1. The main work of the Institute is research and publication of important unpublished works of 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. The number of publications stood at 162 in the Gaekwad's Oriental Series and 612 other books at the close of the year of report.

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, and (8) Shri Shishujnanamala.

Moreover the following two quarterly Journals are being published:

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

2. Post-graduate Teaching

As part of the scheme of co-ordination of the teaching of 14 Shastras of Sanskrit in the University, three members of the staff of the Institute teach different Shastras to the M.A. students in Sanskrit while one is recognised as a Post-graduate teacher in Gujarati.

3. Staff

During the year, the staff consisted of 1 Director, (Professor's scale), 1 Deputy Director (Reader's scale), 4 Research Officers (Lecturer's scale), 8 Class III and 6 Class IV employees.

Dr. A. N. Jani was appointed as Director, Oriental Institute from 5-4-1975 vice Dr. B. J. Sandesara retired. Professor Jani continued to work as Professor and Head of the Sanskrit Department, Faculty of Arts.

4. Professional Growth of the Staff

(a) Publication by the members of the Staff:

Sr. No.	Author	Title	Publisher's name
(1)	Dr. A. N. Jani	Visnusatpadi	Navbharati Publication, Dwarka, December, 1975

(b) Articles :

Sr. No.	Author	Title	Where published
1	2	3	4
(1)	Dr. A. N. Jani	(i) पुरुषार्थ	'Dipotsavi' V.S. 2031, November 19, 1975
		(ii) भारतीय संस्कृतिमा नारीतुं गौरव	स्वाध्याय, पुस्तक १२, अंक ४
		(iii) Sanskrit—Its Past, Present and Future	Journal of the Oriental Institute, Vol. 124, Nos. 3-4
		(iv) Rudrata : Kavyalankarasara Samgraha (Guj.) (A chapter contributed to "Anthology of Indian Literary Criticism", Vol. I)	University Grantha Nirmana Board, Ahmedabad
(2)	Shri J. P. Thaker	(i) Vairagya-murti-ni Jivanasadhana	Svadhyaya, Vol. 13, No. 1
		(ii) Importance of the Laghuprabandhasangraha	Published in the collection of papers at the International Seminars on Buddhism and Jainism, Cuttack, January, 1976
		(iii) 'Jain Sahitya' and 'Buddha Sahitya' in Sahitya Darshana (Gujarati)	Jnanagangotri Series, S. P. University, 1975
(3)	Shri P. H. Joshi		select contents of Oriental Institute Vol. 24, Nos.3-Vol. 25, No. 1
(4)	Shri B. P. Pandya	Sadhanadipika of Sri Gopinathaji—A Study	Journal of the Oriental Institute, Vol. 24, Nos.3-4

5. Participation in Various Programmes :

(1) Dr. A. N. Jani delivered a talk on 'Dhvanyaloka' in the Post-graduate Centre of Samaldas College, Bhavnagar, on 23rd August, 1975. He attended the Seminar on "The Teaching of the Sanskrit Grammar" organised by the Conference of the Re-orientation of the Teaching of Sanskrit under the auspices of the Gujarat State University and College Teachers' Association, Ahmedabad, on 26th, 27th and 28th October, 1975 and spoke on 'Modern Sanskrit Literature' on 26th October at the Conference. On 27th October, he presided over the Seminar on the Teaching of Sanskrit Grammar. On 19th September, 1975, he presided over the Departmental Workshop for Revising Syllabuses and Revising Question Papers held at Vallabh Vidyanagar. He worked as Local correspondent of Prachi-Jyoti Journal (Digest of Indological Studies) of Kurukshetra.

(2) Shri J. P. Thaker attended the International Seminar on Buddhism and Jainism held at Cuttack from 11th to 16th January, 1976 and read a paper on 'The Importance of the Laghuprabandhasamgraha'.

(3) Shri P. H. Joshi was deputed to Delhi with exhibits to be displayed at the Exhibition arranged by the National Museum, New Delhi, on the occasion of the International Seminar on Ramayana theme held from 8th to 12th December, 1975.

(4) Shri B. P. Pandya attended the Conference of the 'Re-Orientation of the Teaching of Sanskrit' held under the auspices of the Gujarat State University and College Teachers' Association during 26th-28th October, 1975 at Ahmedabad.

6. Manuscripts Section

This section has a collection of 25,783 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 71 were added during the year, out of which 30 were purchased and 41 were received as gift from (1) Shri M. D. Desai, Baroda, (2) Shri Mahashankar Shukla, and (3) the Curator, Kutch Museum, Bhuj.

During the year, 33 manuscripts were lent out to other Institutions, 16 to local scholars and 81 were issued for work on the premises of the Institute, while 2 manuscripts were borrowed from outside.

7. Printed Books Section

The Institute has a well equipped library having a collection of 36,400 books.

(A) Books :

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

	Books including bound periodicals	Total value in Rs.
(1) Total number of Volumes at the beginning of the year	35,950	3,70,095-81
(2) Number added during the year	450	5,998-92
Total	36,400	3,76,094-73

One of the total number of books added during the year, 45 were purchased at a cost of Rs. 5,998-92 and 405 books were received as gift and/or on exchange basis.

(b) Periodicals:

The total number of periodicals and scholarly journals subscribed for and received on an exchange basis now stands at 190 (7 subscribed and 183 exchange.)

8. Publications

Gaekwad's Oriental Series:

The following works were printed during the year:

- | | |
|---|--------------------------------|
| (i) Satyasiddhi (Vol. I) | — by Shri N. A. Sastri |
| (ii) Āgamapramanya | — by Dr. M. Narasimhachari |
| (iii) Vrddhayavanajataka
(printed by Photo-offset method) | — by Professor David Pingree |
| (iv) Śmṛticintamāni | — by Professor Ludo Rocher |
| (v) A Descriptive Bibliography of Panch-
ratra Agamas, Vol. I | — by Professor H. Daniel Smith |
| (vi) The Rehla of Ibn Battuta (reprinted
by Photo-offset method) | — by Professor Mahdi Hussain |

The following works are under print:

- | | |
|--|--|
| (i) Kṛtyakalpataru (Pratisthakanda)
(pp. 1-120 printed) | — by Shri K. V. Rangaswami
Aiyangar |
| (ii) Vrddhayavanajataka, Vol. II
(pp. 1-136 printed) | — by Professor David Pingree |
| (iii) Nyayalankara
(pp. 1-48 printed) | — by Professor Anantlal Thakur
and Late Dr. J. S. Jetly |

- (iv) Saktisangamatantra, Vol. IV —by Pandit Vrajavallabha Dwivedi
- (v) A Descriptive Bibliography of Pancharatra Agamas, Vol. II —by Professor H. Daniel Smith
- (vi) Satyasiddhi, Vol. II —by Shri N. A. Sastri
- (vii) A Dictionary of Sanskrit Grammar (Revised Second edition) —Professor K. V. Abhyankara and Dr. J. M. Shukla
- (2) *M. S. University Oriental Series : (Work Published)*
- (i) Laghukhecarasiddhi —Professor David Pingree
- (ii) Bare Text of Ayodhyakanda (Adhyayas 1-49)

9. Translation Branch

The following works were published in the following series :

- (1) Shri Sayaji Sahityamala :
- (i) उड्डाणनो ताम्र —by Shri Chhotubhai Suthar
- (ii) भीरुपार्थ एक मनन (Second edition) —by Shri M. R. Majmudar
- (iii) शुक्रराजने पोटरि उद्योग —by Shri Shantilal Purohit
- (2) Shri Sayaji Balajnamala :
- (i) प्रसंगशतक —by Late Shri Bharatram B. Mehta
- (3) Shri Sayaji Gramavikasamala :
- (i) रोकडिया पादोमां वधु उत्पादन —by Shri Yogesh Pandya
- The following works are under print :
- (1) Shri Sayaji Sahityamala :
- (i) यरुकेने स्वाध्याय (Vol. II) —by Shri Bapalal G. Vaidya
- (ii) भारतीय वीथ्या —by Shri Rasiklal Pandya
- (iii) सङ्केतविंग अने इद्र मङ्गल —by Late Shri Kanaiyalal Dave

10. Ramayana Department

- (1) All the seven volumes of Critical Edition of Valmiki Ramayana have now been published and the staff appointed for it was relieved on 31-3-1975.
- (2) Pratika Index press copy is ready for printing. A grant of Rs. 1,20,000 is approved by the University Grants Commission on matching basis but the sanction of the State Government for the remaining 50% (Rs. 60,000) is awaited.

11. Vishnupurana

The University Grants Commission has sanctioned under Vth Five Year Plan the eight posts on permanent basis for the Critical Edition projects of the Oriental Institute. Initially a research project of the Critical Edition of the Vishnupurana would be taken up by the Institute. The University Grants Commission will bear two-third of the expenditure and the State Government the remaining one-third during the years 1975-79 (Vth Plan). After 1979, the State Government would take over the recurring liability of the staff consisting of one General Editor, one Assistant Editor, four Critical Apparatus Writers and two Proof Readers.

12. Journal of the Oriental Institute

During the year Nos. 3 and 4 of Vol. 24 and Nos. 1-2 of Vol. 25 were published. 158 and 85 subscribers were registered for Vol. 24 and Vol. 25 respectively and 154 copies were sent on exchange basis. The Journal is devoted to research in Indology and Oriental Studies and includes papers on Ramayana and allied topics concerning the epics and the puranas.

13. Gujarati Journal 'Svadhaya'

During the year, Nos. 3 and 4 of Vol. 12 and Nos. 1 and 2 of Vol. 13 were published. 130 and 89 subscribers were registered for Vol. 12 and 13 respectively and 33 copies were sent on exchange basis.

14. Visitors

Sr. No.	Visitors	Date
(1)	Mrs. Celerier, C/o. Mr. Jaques Celerier, President-Director General, Technip, France.	23-5-1975
(2)	Mr. Osamu Kondo, Associate Professor, Otemin Gakuin University, Osaka, Japan.	22-8-1975
(3)	Mr. Shaheb Saradee, Aligarh Muslim University, Aligarh	12-9-1975
(4)	Mr. Shoun Hino, Senior Fellow of the Advanced Study in History, University of Poona, Poona-7.	6-10-1975

Sr. No.	Visitors	Date
(5)	Mr. Philippa Vanghan, 8, King Street, London-SW-1	4-3-1976
(6)	Mrs. K. Dela Ronde, Executive Officer, Shastri Indo-Canadian Institute, 3511 Peel Street, Montreal, Canada.	12-3-1976

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	186	117	303
	2nd Year Diploma	75	80	155
	3rd Year Diploma	56	44	100
	4th Year Diploma	34	43	77
	5th Year Diploma	44	23	67
	Total	395	307	702
(2) Degree Courses:				
	1st Year B.Mus.	19	10	29
	2nd Year B.Mus.	9	10	19
	3rd Year B.Mus.	5	6	11
	4th Year B.Mus.	7	14	21
	Total	40	40	80
(3) Post-graduate Degree Courses:				
	Junior M.Mus.	3	1	4
	Senior M.Mus.	5	3	8
	Total	8	4	12
(4) Ph.D.				
		3	1	4
	Grand Total	446	352	798

3. Staff

(a) Present Position:

The Staff of the College consisted of One Professor, One Hon. Professor, 3 Readers, 20 Lecturers, 12 Assistant Lecturers, One Part-time Ustad, 5 Tabla Accompanists, One Temporary Teaching Assistant and 9 Class III and 11 Class IV employees.

4. Professional Growth of the Staff

(1) Shri K. S. Mistry, Lecturer in Music attended a Workshop in Science of Music at Bangalore, sponsored by the National Sangeet Natak Academy, Delhi from 20th to 28th October, 1975.

(2) Sarvashri A. P. Chavla and J. K. Bhatt, Lecturers in Dramatics were deputed to gain experience in 'Make-up' and 'Settings and Stags Properties' at the Mumbai Marathi Sahitya Sangha and Rajkamal Studio respectively at Bombay.

5. Faculty Union Activities

(1) A programme of Vocal Music of Shri Dayanand Gandharv was arranged on 24th July, 1975.

(2) Pt. Vishnu Narayan Bhatkhande and Pt. Digamber Paluskar Jayantis were celebrated as usual in August.

6. Library

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

Sr.No.	Particulars	Number	Cost in	
			Rs.	P.
(1)	Books (including back numbers of Journals as on 1-4-1975)	7668	64,195	22
(2)	Books written off during the year	—	—	—
(3)	Books added during the year	39	1,166	68
(4)	Books as on 31-3-1976	7707	65,361	90
(5)	Journals subscribed during the year	21	988	25
(6)	Amount spent on binding during the year	—	196	80
(7)	Total amount spent for Library and/or Reading Room during the year	—	2,351	73

7. Faculty Publication

Name of the Journal	Editor	Month of publication
Understanding Bharata Natyam	Smt. Mrinalini Sarabhai	July, 1975,

8. Visitors

(1) Dr. Charles Hamms, USEFI, visited the College on 18th and 19th February, 1976.

CHAPTER XX—BARODA SANSKRIT MAHAVIDYALAYA

1. Courses of Studies

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

(2) The Institute introduced Part-time Courses of short duration (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, Veda Recitation.

This year five new experiments were undertaken:

(a) Gita Class, (b) General Jyotish, (c) Gayatri Havan, (d) Taping of Vedic Recitation and (e) Developing the Question Bank in Geeta and Jyotish.

2. Number of Students

Number of students enrolled in various classes during 1975-76 was as under:

(1) *Pratham Kaksha (Certificate)*:

	Men	Women	Total
1st Year	50	1	51
2nd Year	25	2	27
3rd Year	7	—	7
Total	82	3	85

(2) *Madhyam Kaksha (Visharad)*:

(i) *Vyakaran Shastra*:

1st Year	9	2	11
2nd Year	4	1	5
3rd Year	—	—	—
4th Year	1	—	1
5th Year	—	—	—

(ii) *Jyotish Shastra*

1st Year	25	2	27
2nd Year	8	1	9
3rd Year	2	—	2

	Men	Women	Total
4th Year	3	—	3
5th Year	—	—	—
Total	52	6	58
(3) Uttam Kaksha Shastra:			
(i) Vyakaran Shastra:			
1st Year	1	1	2
2nd Year	1	—	1
(ii) Jyotish Shastra:			
1st Year	1	—	1
2nd Year	—	—	—
(iii) Dharma Shastra:			
1st Year	2	—	2
2nd Year	—	—	—
(iv) Sahitya Shastra:			
1st Year	2	1	3
2nd Year	1	—	1
(v) Voluntary English:			
1st Year	1	—	1
2nd Year	1	—	1
Total	10	2	12

(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	2	—	2
2nd Year	—	—	—

	Men	Women	Total
(iv) Sahitya Shastra:			
1st Year	3	—	3
2nd Year	—	—	—
Total	7	—	7
(5) Vachaspati			
	1	—	1
Grand Total	152	11	163
Evening Part-time Students:			
(1) Geeta Class	39	22	61
(2) Jyotish Class	43	5	48
Total	82	27	109

3. Staff

(a) Present Position:

During the year under report, the staff of the institution consisted of the Principal, 13 Adhyapakas, 1 Honorary Adhyapaka, 2 Class III and 4 Class IV employees.

(b) New Appointments:

- | | |
|----------------------------|--------------------------------|
| (i) Dr. P. K. Dongre | Principal |
| (ii) Shri V. B. Prakashkar | Pradhyapak in Vyakaran Shastra |
| (iii) Shri M. S. Suthar | Teaching Assistant in English |
| (iv) Shri N. C. Shukla | Part-time Teacher in Jyotish |

4. Professional Growth of the Staff

(a) Publications:

Sr.No.	Name	Title	Where published
(1)	Dr P. K. Dongre	(i) परिच्छेदलेखने योगनास्वरोपम	पाठरथा "Surabharti" 1975-76.
		(ii) श्री म. स. विश्व. नवीन: प्रभाषु- पत्र. पाठ्यक्रम	"Surbharati" 1975-76.

Sr.No.	Name	Title	Where published
		(iii) पू. मगर स्वामी	"Sant Saurabha" (M. S. University).
		(iv) रामायणभांगी यतुं संस्कृतितु अभिनव दर्शन	"Sant Saurabha" (M. S. University).
(2)	Shri S. Y. Mishra	संपादकीयम्	"Surabharati".
(3)	Shri L. G. Shukla	(i) श्री सोमनाथचरणी शरणं प्रपद्ये	"Surabharati".
		(ii) श्रीमद् रामचंद्र के. उंगरे महाराजनामनिवाहनम्	"Surabharati".
		(iii) श्रीमद् रामचंद्र के. उंगरे महाराजैः संपादितः श्रीमद् भागवतसप्तोऽ प्रवचन महायज्ञः	"Surabharati".
		(iv) धर्मवृक्ष	"Sant Saurabha" (M. S. University).
(4)	Dr. J. R. Pathak	(i) शिष्यप्रतिभे छति सूत्रविचारः	"Surabharati".
		(ii) धार्मिक उत्सवो	"Sant Saurabha" (M. S. University).
		(iii) महाभारत	"
(5)	Shri V. S. Prakashkar	(i) सत्यं शिवं सुंदरम्	"Surabharati".
		(ii) भारतीय-उपग्रह "आर्यभट्टः"	"Surabharati".
		(iii) श्री म. स. विश्वविद्यालयस्य नवीना उपकुलपतयः श्री. मा. सुरेश शेठनामहोदयाः	"Surabharati".
		(iv) वैदेशिका भारतीय विद्यावाच्यस्य तथा : स्व. डॉ. जर्मन वाच्यन महोदयाः	"Varshik Patrika" S.N.D.T. College, Baroda.
(6)	Shri S. V. Bhattbhatt	विभक्त्यर्थं विमर्शः	"Surabharati".
(7)	Shri J. B. Shukla	अडरड सन्ध्यामुपासीत	"Surabharati".
(8)	Shri P. S. Shukla	श्राद्धस्य महत्त्वम्	"Surabharati".

(b) Extension Lectures:

Sr.No.	Name	Subject	Date
(1)	Dr. P. K. Dongre	भारतीयशिक्षणपरम्परा	6-9-1975
(2)	Dr. J. R. Pathak	तस्मै यज्ञात्मने नमः	20-9-1975
(3)	Shri S. V. Bhattbhatt	वैदिकवाङ्मयपरिचयः	27-9-1975
(4)	Shri V. S. Prakashakar	श्रीमद्भागवद्गीता गणेशगीता च	11-10-1975
(5)	Shri S. Y. Mishra	रङ्गोत्कविचारः	27-11-1975
(6)	Shri L. G. Shukla	संस्कृतभाषाप्रभुत्वम्	30-1-1976

5. Extra Curricular Activities

(1) Sanskrit Day: The day was celebrated on 28th August, 1975. Pandits—Shri Vidyabhasker M. V. Upadhyaya, Pandit Laxmikant Zha and Dr. A. N. Jani were honored.

(2) Vedic Seminar: This was organised under the joint auspices of Sanskrit Mahavidyalaya, M. S. University of Baroda and Veda Rakshana Trust Nidhi, Madras from 14th to 16th December, 1975.

(3) Publication of "Surabharati":

The thirteenth issue of "Surabharati" the annual publication of the Baroda Sanskrit Mahavidyalaya, Baroda in Sanskrit was published with the co-operation of the members of the teaching staff and students.

6. Library

The following figures show the stock and expenditure of the maintenance of the library and reading room during the year:

Sr.No.	Particulars	Number	Cost in	
			Rs.	P.
(1)	Books including back number of journals as on 1-4-1975	5192	19,654	35
(2)	Books written off during the year	—	—	—
(3)	Books added during the year	17	224	64
(4)	Books as on 31-3-1976	5209	19,878	99
(5)	Journals subscribed during the year	1	30	45
(6)	Amount spent on binding during the year	—	—	—
(7)	Total amount spent for Library and/or Reading Room during the year	—	255	09

7. Visitors

(1) Professor G. C. Saxena, Co-ordinator, Regional College of Education, Bhopal visited the Sanskrit Mahavidyalaya in February, 1976 and discussed the problem of the introduction of 10 + 2 + 3 courses in the Gujarat State.

(2) Shri A. V. Subramanian, F. A. and C. A. O (C), Central Railways, Bombay, visited the Sanskrit Mahavidyalaya on 2nd March, 1976.

(3) Professor Josef, Professor of Music and Culture, Koln University, West Germany visited the Sanskrit Mahavidyalaya on 25th March, 1976 and discussed the problem of research in Epics.

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

The number of students enrolled in different classes during the year 1975-76 was as under

Class	Men	Women	Total
(i) Preparatory Arts	819	331	1150
(ii) Preparatory Commerce	574	386	960
Total :	1393	717	2110

3. Staff

There are on the staff of the Unit, a Head, 2 Teacher-Supervisors, 7 Class III and 7 Class IV employees. The teaching work was shared by about 57 teachers drawn from the Faculties of Arts, Commerce and Science and the Department of General Education.

4. Students Activities

The students contributed about two thousand rupees to the Chief Minister's Relief Fund.

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 1,004 men students and 197 women students. The total number of students was 1,201.

3. Staff

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

4. Faculty Union Activities

(1) Shri S. A. Ginwal and Shri Albart Anthoy participated in All India Inter-University Foot Ball Tournament held at Baroda from 9th to 17th October, 1975 and also took part in Shri Hirabhai Gold-Cup Tournament of 1976 held at Kota from 8th to 22nd February, 1976 as representatives of Baroda District Foot Ball Association.

(2) Kumari Dipti participated in Volley Ball State Championship held at Tirichirapalli, Madras during December-January, 1976.

(3) Students were given information/guidance about the National Science Talent Search Examination. This year 2 students appeared at the examination held in January.

(4) Guidance classes were conducted this year also. During the first term there were 111 students and 234 in the second term.

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.

2. Number of Students

Year/Class	Men	Women	Total
(1) Preparatory Arts	100	25	125
(2) Preparatory Science	112	3	115
(3) Preparatory Commerce	226	22	248
Total :	438	50	488
(4) F.Y.B.A.	36	6	42
(5) S.Y.B.A.	31	14	45
(6) T.Y.B.A.	39	10	49
Total :	106	30	136
(7) F.Y.B.Com.	108	12	120
(8) S.Y.B.Com.	113	8	121
(9) T.Y.B.Com.	151	18	169
Total :	372	38	410
Grand Total:	916	118	1034

3. Staff

(a) Present Position :

During the year, the staff of the College consisted of one Principal, 26 Lecturers, 3 Part-time Teachers, one Physical Instructor, 17 Class III and 14 Class IV employees.

(b) *New Appointments :*

Sr. No.	Name	Designation
1	2	3
(1)	Shri D. D. Daffe	Temporary Teaching Assistant in Commerce
(2)	Shri M. B. Majmudar	Temporary Lecturer in Accounts
(3)	Shri V. R. Acharya	Temporary Teaching Assistant in Economics
(4)	Shri J. A. Patel	Temporary Teaching Assistant in Statistics
(5)	Smt. J. Misra	Lecturer in English

4. *Professional Growth of the Staff*(a) *Published Books and Brochures :*

Sr. No.	Name	Title	Name of the Books published with month of publication
(1)	Dr. R. D. Pathak	Akho-Ek-Swadhyaya	Published by Sant Kavi Sagar Prakashan Trust, Baroda, February, 1976

(b) *Talks given at different Universities :*

Sr. No.	Name of the Teacher	University	Subject of the Lecturer
(1)	Dr. R. D. Pathak	Nalini Arts College Sardar Patel University, December, 1975	Gunjan Ka Anantar Jagat

(c) *Participation in Inservice Programme :*

Sr. No.	Name of the Teacher	Programme	Capacity of participation
(1)	Shri M. C. Patel	Post-graduate certificate course run by the National Association of Materials Management, Baroda Branch, Baroda,	Honorary Visiting Faculty Member

5. *College Library*

The College has a separate Library. It received from the University a grant of Rs. 5,600/- for Books, Rs. ,600/- for Periodicals and Rs. 500/- for Binding.

Following figures show the stock and expenditure on the Library and/or Reading-Room :—

Particulars	Number	Cost in Rs. P.
(1) Books (including back numbers of Journals as on 1-4-1975)	8,095	1,05,866.63
(2) Books written off during the year	—	—
(3) Books and back numbers of Journals added during the year	319	3496.75
(4) Books and back numbers of Journals as on 31-3-1976	8,414	1,10,954.88
(5) Journals subscribed during the year	35	1,591.50
(6) Amount spent on Binding during the year	—	500.95
(7) Total Amount spent for Library and/or Reading Room during the year	—	5,389.20

6. *Faculty Publication*

The College published its Annual Magazine "Spandan" in March.

7. *C)-Curricular and other Activities*

- (i) On 5th September, 1975 (the Teachers' Day Celebration) a Symposium on "Dr. Sarvapalli Radhakrishnan and the present education system" was arranged. Prof. A. G. Javdekar presided over the Symposium.
- (ii) Shri Madhukar Randeria, (Development Officer, Dena Bank, Bombay), a well-known dramatist addressed the Commerce students on "The Trends in the Banking Career".

8. *Visitors*

Sr. No.	Name	Date of visit
(1)	Shri H. L. Chadha Management Consultant, Baroda	20-12-1975
(2)	Professor V. C. Shah Zoology Department, University School of Sciences, Gujarat University, Ahmedabad.	19-1-1976

CHAPTER XXIV—POLYTECHNIC

1. Courses of Studies

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

(2) New Courses:

Two new Courses (i) Diploma in Production Engineering (Intake 60) and (ii) Diploma in Industrial Electronics (Intake 30)—each of 3 years duration were introduced during the year.

2. Number of Students

	Men	Women	Total
(A) Regular Diploma Courses:			
(1) Civil Engineering	415	1	416
(2) Mechanical Engineering	406	—	406
(3) Electrical Engineering	309	—	309
(4) Production Engineering	75	—	75
(5) Industrial Electronics	49	1	50
Total	1254	2	1256

(B) State (Extended) Diploma Courses:

(1) Civil Engineering	89	—	89
(2) Mechanical Engineering	171	—	171
(3) Electrical Engineering	138	—	138
Total	398	—	398

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

(1) Technology of Processing of Oil and Gas	63	—	63
(2) Technology of Production of Synthetic Resins and Plastics	64	—	64
(3) Technology of Production of Fertilizers and Acids	60	—	60
Total	187	—	187

Grand Total 1839 2 1841

3. Staff

(a) Present Position:

The staff of the Polytechnic as on 31-3-1976 consisted of One Principal, 5 Readers, 71 Lecturers, 11 Senior Instructors and 1 Assistant Lecturer.

(b) New Appointments:

Sr. No.	Name of the Employee	Department and Designation
(1)	Shri A. M. Shah	Reader and Head Electrical Engineering Department
(2)	Shri B. P. Dave	Lecturers in Electrical Engineering
(3)	Shri M. S. Patel	
(4)	Shri R. K. Patel	
		Lecturer in Mathematics

(c) Teachers appointed to higher position:

(1) Shri K. Ethirajulu, Lecturer in Chemical Engineering was appointed as Reader in Chemical Engineering.

4. Faculty Union Activities

The students formed their association during the year and carried out normal activities of their interest—curricular and extra-curricular.

5. Library

(A) Books:

Books were purchased from the recurring grant of Rs. 10,000. The following statement gives the details of acquisition of books at the Polytechnic Library during the year:

	Books including bound periodicals	Total value in Rs.
(1) Number at the beginning of the year	16214	2,72,780-80
(2) Number added during the year	250	7,383-40
(3) Number withdrawn from the record	91	954-50
(4) Number remaining at the end	16373	2,79,209-70

(B) Periodicals:

The Library subscribed to 45 Periodicals. The amount spent for subscription of the periodicals was Rs. 5206-94 and that for binding was Rs. 1779-70.

Statistics for the use of the Library are given below:

(1) Daily average number of readers making use of the Library	297
(2) Average issue of books for Home Reading per day	80
(3) Average issue of books for Reading Room per day	36
(4) Total number of students registered	1300

6. Co-Curricular Activities

(1) Five film shows were arranged during the year under the Audio Visual Programme.

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

1. Programmes and Activities

The following educational activities were undertaken during the current year :

(1) The Centre conducted the following Summer Courses :

Sr. No.	Title of the Course	Duration	Enrolment
(i)	New Mathematics for Parents and Teachers	6 days	36
(ii)	Batik on Textile	16 days	23
(iii)	Dress Making for Babies	14 days	11
(iv)	Hotel Management	9 days	16

(2) Part-time Post-graduate Certificate Course in Industrial Purchasing and Materials Management was started in August, 1975 and 70 participants were enrolled for the course.

(3) Part-time Post-graduate Certificate Course in Marketing Management was started in September, 1975 and 63 participants were enrolled for the course.

(4) Part-time Certificate Course in Library Science was started in December, 1975 for 40 participants.

(5) "Effective Speaking" Course was started on 5th January, 1976 with 4) candidates. Another batch of 20 students participated in the same course from 6th March, 1976.

The number of Certificates distributed by the Centre in 1975-76 was 166.

2. Staff

The Centre has one Reader, one Lecturer, two Class III and one Class IV employees.

3. Professional Growth of the Staff

- (1) Dr. Malathi Chakravorty, published a book in Nutrition "Manav Ahar". She attended the Conference of Gujarat Branch Home Science Association held at Baroda.
- (2) Dr. Z. M. Quraishi has published two papers :
 - (i) Dimensions of Classroom Teacher Behaviour and their Relationship to Personality and Attitudes—A Review of Researches. *Quest in Education*, 13, 1, 28-37, January 1976.
 - (ii) Teacher Classroom Behaviour with Reference to Teacher Personality Variables. A chapter appeared in the book "Studies in Teaching and Teacher Behaviour", published by the Centre of Advanced Studies in Education in 1975.

CHAPTER XXVI—SHRIMATI HANSA MEHTA LIBRARY

1. Acquisition Notes

(1) Books :

The basic grant of Rs. 5,00,000/- sanctioned for purchase of Books and Journals by the University Grants Commission during the Fifth five year Plan period for honouring the commitment already entered into during the Fourth Plan period and for meeting the immediate requirements upto the time further grants are sanctioned is now fully utilized as per its time schedule.

The Library received a sum of Rs. 2,33,000 from the University towards recurring expenditure on subscription of periodicals and for purchase of text books and reference books.

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, Prep. Unit—Arts and Commerce and Science, Department of Museology and the Centre for Continuing/Adult Education and Community Services.)	5,296
(ii) General Education Centre	14
(iii) Faculty of Technology and Engineering	1,101
(iv) Faculty of Fine Arts	110
(v) Faculty of Social Work	61
(vi) College of Indian Music, Dance and Dramatics	39
(vii) Oriental Institute (Printed Section)	450
(viii) Polytechnic	250
(ix) Sanskrit Mahavidyalaya	17
(x) Centre of Advanced Study in Education	379
(xi) M.K. Amin Arts and Science College and College of Commerce, Padra	237

Total : 7,954*

* This includes 1,632 books received as gift.

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

	Books	Bound Vols. of Periodicals	Pamphlets	Manuscripts	Maps, charts etc.	Total value in Rs.
(i) Number at the beginning of year	2,70,543	37,996	16,651	248	865	61,94,552-29
(ii) Number added during the year	5,296	2,095	905	—	3	4,86,463-02
(iii) Number withdrawn from the records	—	—	325	—	—	—
(iv) Number remaining at the end of the year	2,75,839	40,091	17,231	248	868	66,81,015-31

(2) Periodicals:

The total number of periodicals and scholarly journals subscribed to was 717, and 2,095 volumes of bounds periodicals were added to the stock.

2. Cataloguing Section

The activity of the Cataloguing section is as under:

(A) Books classified and catalogued during the year:

- (a) New accessions to University Library 5,296
 (b) New accessions to the Faculty Library 2,658

Total 7,954

(c) Bound periodicals catalogued and classified 2,095

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

	For University Library	For Faculty Libraries	Total
(1) Cards typed	15,888	13,290	29,178
(2) Cards filed in the catalogue	15,888	15,290	29,178

3. Circulation Section

The working hours of the Library during the year were as under:

- (1) April 1975 to May 1975 8-00 A.M. to 10-00 P.M. :
 (2) June 1975 to 20th July, 1975 11-00 A.M. to 5-30 P.M. :
 (3) 21st July, 1975 to 2nd August 1975 11-00 A.M. to 8-00 P.M. :
 (4) 4th August 1975 to 16th August, 1975 8-00 A.M. to 8-00 P.M. :
 (5) 17th August 1975 to March 1976 8-00 A.M. to 10-00 P.M. :

It remained opened on Sundays and Holidays of all the months except June, July and August.

The usual timings of the library for the month of May are 11-00 A.M. to 5-30 P.M. but to extend special facility to LL.M. and other students, it remained open from 8-00 A.M. to 10-00 P.M. including Sundays and Holidays.

In the months of April 1975 and March 1976, the Central Hall Reading Room was kept open for reading purpose even on Sundays and Holidays for F.Y. students. This Reading Room accomomates 225 readers and contains all the prescribed and recommended books.

From September to December 1975 and February to March 1976 the Cellar of the General Education Building was kept open on Sundays and Holidays to be used as Reading Room for the Preparatory students. This reading room accommodates 200 readers and contains all the prescribed and recommended books.

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

(1) Post-graduate students	1,417
(2) Under-graduate students	6,803
(3) Research Scholars, Assistants, Fellows	74
(4) University Teachers	597
(5) Others	503

Total 9,394

The statistics of the use of Library are as under:

(1) Daily average number of readers visiting the Library	2,575
(2) Daily average number of readers visiting the Central Hall Reading Room of the Baroda College Building	225
(3) Daily average number of readers visiting the reading room of the General Education i.e. Cellar	200
(4) Total number of books issued per day for reading	1,186
(i) Average number of books issued per day for home reading from General Collection	260
(ii) Average number of books issued per day from Curricular Collection	398
(iii) Average number of books issued per day from reading room of the General Education i.e. Cellar	51
(iv) Average number of books issued per day from the Central Hall Reading Room	29
(v) Average number of books issued per day for reference from stocks	448
(5) Average number of books issued per reader in the year	52

4. Reference Section

(1) Exhibitions:

Exhibitions of books, pamphlets and photographs on the following topics and persons were arranged:

(a) *Special Exhibitions*: (i) Progress of India after Independence, (ii) Gurudatta Hindi Novelist, (iii) Sarvapalli Radhakrishnan, (iv) Vocational Guidance, (v) Years of Achievement and (vi) Health and Strength.

(b) *Weekly Exhibitions*: Selected new books were displayed every week in the University Library.

(2) Bibliographical Activity:

Bibliographies on the following topics were compiled during the year:

(i) Women World, (ii) Economic and Social Growth of Japan, (iii) Books on and by Sarvapalli Radhakrishnan, (iv) Modern Education in India, (v) Home Management and (vi) Literature dealing with Canada.

(3) UNESCO Information Centre:

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

(4) The National Library Week:—14th November to 21st November, 1974:

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

(i) A special exhibition of books, pamphlets, photographs, etc. was arranged on "Library, a useful organ of the Society".

(ii) Local School Librarians were invited to discuss the problems of their libraries.

(5) Theses and Dissertations:

During the period, 233 theses and dissertations were added to the collection of 2,964, bringing the total collection to 3,197. About 1,360 readers consulted the theses and dissertations. A descriptive list of Ph.D. theses received in the library from January, 1975 to December, 1975 was published.

(6) Reference Materials:

During the period, 1975 readers consulted the reference books and other reference material.

(7) Extension Services:

Under the Extension Service Programme of the United States Information Services, Bombay, this library received books on loan basis, and kept them on the open shelves in the Reading Room for the use of the readers.

(8) Pamphlets Collection:

The following statement gives the details of pamphlet collection in the library during the year:

(i) Number at the beginning of the year	16,655
(ii) Number added during the year	905
(iii) Number withdrawn from the record	325
(iv) Number remaining at the end of the year	17,235

5. Teaching of Library Science

Fortythree students appeared at the Bachelor of Library Science Examination. Thirty-six came out successfully—6 in first class, 24 in second class and 6 in pass class.

CHAPTER XXVII—THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA PRESS

1. Staff

The Press had a staff of a Manager, a Deputy Manager, an Assistant Manager, a Head Clerk, a Head Proof Reader, a Senior Proof Reader, a Junior Proof Reader, a Copy Holder, a Clerk and 45 permanent workers. There were 3 workers on daily wages and 3 apprentices engaged under the Apprentice Act, 1961 of the Government of India.

2. Machinery

The following are the printing machines used for printing work:

Two Cylinder Printing Machines	Sizes 20" × 30"
One Cylinder Printing Machine	18" × 23"
One Automatic Platen Machine	15" × 20"
One Punching/Printing Machine	18" × 23"
One Treadle Printing Machine	10" × 15"

There are old machines and the printing capacity of all is within 1,000 to 1,500 copies per hour. In view of urgent nature of the Examination work, the Press should have a high speed automatic printing machine which can also carry out Book work and urgent jobs.

Besides hand composing work in English, Gujarati, Hindi, and Sanskrit there are two Mono Composing Units always overloaded with work of composing. They are the most useful assets of the press for composing work at short notice.

These are three paper cutting machines, one is fully automatic, 2 stitching machines, one ruling machine. The necessity of paper folding machine and thread sewing machine is keenly felt to push up the production.

3. Printing Activities

The major portion of the printing work includes the minutes of the Syndicate and Senate Meetings, Annual Budget and Establishment List, Annual Accounts, Handbooks, Pamphlets, Prospectus of all the Faculties, Quarterly Journals of the Oriental Institute, and the University and others, Certificates and General Administrative Forms of many kinds for every day use by the University Office and the Faculties. The Press is equipped with a hall in which all printing works of secret and confidential nature is carried out under stringent conditions. There is a regular flow of Book work of the G.O. Series and other educational series printed at this press and sold by the Publication Unit.

(A) The following is the list of Books printed and published during the year:

Name of the Book	Publishers
(1) Understanding Bharat Natyam	College of Indian Music, Dance and Dramatics
(2) Hand-Book—Part III, Vol II	Faculty of Science
(3) Excavation at Dhatva	Department of Archaeology and Ancient History
(4) Munshi Abbas Ali—Quissa-I-Ghamgin	Department of History
(5) ગુજરાતનો પોટરી ઉદ્યોગ	Oriental Institute
(6) પંચદંડની વાર્તા	Oriental Institute
(7) મીરાંબાઈ—એક મનન	Oriental Institute
(8) ઉડાણનો તાગ	Oriental Institute
(9) વૃદ્ધ યૌવન જાતકમ	Oriental Institute
(10) સ્મૃતિ ચિંતામણી	Oriental Institute
(11) આગમ્ય પ્રમાણુમ	Oriental Institute
(12) રોકડીયા પાંકો	Oriental Institute
(13) પ્રસંગ શતક	Oriental Institute
(14) સત્ય સિદ્ધી	Oriental Institute
(15) સત્ય સિદ્ધી શાસ્ત્ર	Oriental Institute
(16) Rehala of Ibu-Batuta	Oriental Institute
(17) નળાખ્યાન ભાલશુદેવ	Faculty of Arts
(18) વાગલટાલંકાર આલાવબોધ.	Faculty of Arts
(19) Mukadime-E-Latif-Ashrafi	Faculty of Arts
(20) Diary by B. K. Thakore—Part II	Faculty of Arts
(21) Hand-Book—Part III	Faculty of Commerce
(22) Pre-school Child Malnutrition	Faculty of Science
(23) Textile Annual Number, February, 1976	TAIRO
(24) Seminar on Electronics	Faculty of Technology and Engineering

Name of the Book

Publishers

- (B) During the year, 1,381 Examination Question Papers were printed and 322 Stencils of Question Papers were taken under conditions of secrecy for the University Examinations.
- (C) The following Journals were printed during the year:
- (1) The Journals of M. S. University of Baroda,
 - (2) The Journals of Oriental Institute (Quarterly),
 - (3) The Journal of Animal Morphology and Physiology (Half-yearly)

- (4) Swadhyay (A Quarterly in Gujarati),
- (5) Journal of Technology and Engineering (Half-yearly),
- (6) The Baroda Journal of Nutrition (Half-yearly),
- (7) Studies in Museology (Yearly),
- (8) PAVO Journal (Half-yearly).

4. University Stationery Unit

This Unit is a service department of the University and is under the supervision and control of the University Press Manager. It supplies stationery every quarter to all the Faculties and the University Office as per their indent. The office consists of one Senior Clerk, one Stationery Clerk, one Riksha Driver-cum-Stationery Distributor and one helper. During the year under report, Stationery worth Rs. 2,79,150 was purchased and Stationery worth Rs. 3,04,732 was supplied.

5. University Publication Sales Unit

This Unit is also under the control and supervision of the University Press Manager. The establishment consists of a Senior Clerk, a Clerk and one outdoor work assistant/attendant. It is working as the Book-shop for University Publications. The total sales during the year were Rs. 87,698.

CHAPTER XXVIII—THE MAHARAJA SAYAJIRAO UNIVERSITY UNION

1. Executive Committee

For the academic year 1975-76 Sarvashri C. D. Amin and A. C. Patel continued respectively as President and Treasurer of the M. S. University Union.

General Election for the Vice-President, General Secretary and Faculty Representatives were held on 2nd August, 1975, Shri J. Y. Rajput was elected as Vice-President and Shri R. R. Yadav as General Secretary. There were 44 Representatives elected by the students of respective Faculties and Institutions. The following members were nominated by the Syndicate:

- (1) Shri A. P. Hathi
- (2) Dr. S. D. Ambegaokar

The first meeting of the Executive Committee was held on 14th August, 1975 for the election of Sectional Secretaries and allocation of various port-follos.

The following members were nominated by the Executive Committee on the various Boards of the University:

- | | |
|--|------------------------|
| (1) University Board of Sports | (1) Shri G. K. Amin |
| | (2) Shri H. T. Jaiwsal |
| (2) University Students Welfare Board | (1) Shri A. J. Jadav |
| | (2) Shri N. C. Sheth |
| | (3) Shri S. T. Soni |
| (3) University Students Aid-Fund Committee | (1) Shri R. R. Yadav |
| | (2) Shri V. S. Patel |
| | (3) Shri S. R. Shah |

2. During the year, Sectional Secretaries conducted various activities with enthusiasm and interest. The activities were as under:

(1) Indoor Games (Badminton and Table Tennis):

Teams were sent to participate in the Inter-University Badminton Tournament at Gwalior, Inter-University Table Tennis and Chess at Ahmedabad and Madras respectively.

(2) Hiking Club:

The club sent a team of about 30 students for Basic Rock Climbing Course at Mount Abu. They also undertook a tracking trip to Pavagadh.

(3) Emester:

The Emester, a fortnightly publication brought out its issues regularly during the year.

(4) Debates and Discussions:

Trophy

Shri B. N. Majmudar Debate Trophy in Hindi

Subject

राजनीति में धर्मका कोई स्थान नहि होना चाहिए

(5) Entertainment Committee and Film Committee:

A musical night was organised and film Koshish was screened during the 2nd term of the year.

(6) University Youth Festival:

This year the weeks' Culfes Programme was arranged.

(7) Fun Fair:

A Fun Fair was arranged on the Campus of the Union Ground on 10th and 11th January, 1976 in aid of the Silver Jubilee Fund.

3. Important Events

This year Ladies Cricket team was started and was sent to participate in Inter-University Tournament at Rajkot.

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 Electrical Gadgets, their use and minor repairs.

Ample opportunities were also provided to the students for the formation and working of Clubs such as:

(1) Dramatics Club, (2) Film Club, (3) Listeners' Club, (4) Science Club, (5) Speakers' Club, (6) Writers' Club

A 1. Self-learning through Audio-Visual Aids

(a) Developing study habits, (b) Learning Language, (c) Preparing for competitive examination, (d) Preparing for examination, (e) Preparing for an interview, (f) Thus-spoke Diplomats, (g) Thus-spoke Historians, (h) Thus-spoke Philosophers, (i) Thus-spoke Political Leaders, (j) Thus-spoke Religious Leaders, (k) Thus-spoke Scientists.

A 2. Study of Natural History

Subjects and topics are determined according to the interests of the participants.

A 3. Practical Art Activities and Appreciations

Depending on the interest and aptitude of the participants, practical art activities in Assemblage, Batik, Clay-Modelling, Painting, Print-making is offered.

A 4. Electrical Gadgets—Uses and Repairs

(a) How your bell works, (b) How to put a fuse, (c) How to read your meter, (d) How your radio works, (e) How your tape recorder works, (f) How to fix a tube light.

B 1. Dramatic Club

(a) Acting, (b) Appreciation of Drama, (c) Costume make-up, (d) Folk Plays, (e) Mime, (f) Stage Arrangement.

B 2. Film Club

(a) Fine Arts, (b) International Happenings, (c) Literature, (d) Natural Sciences, (e) Places of Interest, (f) Sports and Games.

B 3. Listeners' Club

Collecting and listening tapes on different subjects.

B 4. Science Club

(a) Appreciation of Nature, (b) Bio-Archaeology—Relations of Science to Archaeology, (c) Conservation Problems, (d) Ecological Studies, (e) Endangered Indian Wildlife, (f) Excavation. How is it done? Some excavations around Baroda, (g) Flora in your Environment.

B 5. Speakers' Club

(a) Debating, (b) Group Discussion, (c) Inviting Experts for the talk on various subjects.

B 6. Writers' Club

The programme encourages students in writing articles.

2. Number of Students

During the year 122 students from various Faculties and Institutions of the University were registered for the General Education Programmes.

3. Teaching Staff

The General Education Centre has a nucleus staff of one Reader and three Lecturers.

4. Library

The library has a stock of 2,397 books at a cost of Rs. 17,650/- approx.

CHAPTER XXX—STUDENT WELFARE ACTIVITIES

1. Halls of Residence

The University being Unitary and residential makes constant efforts to increase and improve residential accommodation for its students. At its start in 1949, the University had accommodation for 200 boys in rented buildings and another 200 boys in University owned buildings. There was no hostel accommodation for girl students. At the end of the year 1975-76 there were thirteen Halls of Residence for boys and four Halls for girls. One Hall for boys—post-graduate and research students—with a capacity of 140 single seated rooms was constructed and occupied from July, 1975. The general policy of the University otherwise is to distribute students from various faculties in the different Halls so that every Hall has students from various Faculties.

There is a constant demand for residential accommodation in the Halls of Residence. In order that the students may not be put to difficulty and pay exorbitant rents, the University had to continue admitting 3 students in most of the rooms this year also.

At the end of the year under report 2676 boys and 771 girls were in residence in different halls as against 2545 boys and 800 girls at the end of the previous year. A statement showing the break-up of these students by Halls and Institutions is given in Appendix XI.

For each of the Halls of Residence for boys there is one honorary Warden and for the girl's hall there is 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 Halls have been provided with common rooms which are generally used as Library-cum-Reading Room also. Indoor games are also provided in all Halls. The Chief Wardens' Office has a staff of 9 Class III and 2 Class IV employees.

The Central Committee and the following three sub-committees were formed: (1) Inter Hostel Food Committee, (2) Inter Hostel Sports Committee and (3) Inter Hostel Entertainment Committee. The Chief Warden, Halls of Residence was the Chairman of the Central Committee. The Sports Committee arranged the Inter-Hostel Competitions in different games. The Entertainment Committee organised a fun-fair during the year. Apart from these committees each Hall had its own Executive Committee composed of duly elected student members. These Committees worked under the guidance of the Wardens. Students participated actively in nearly all matters pertaining to the affairs of their respective halls except finance.

During the year the following changes took place in regard to the appointment of Wardens.

(1) Shri N. T. Pandey became Warden of Shri T. K. Gajjar Hall vice Shri N. M. Pandya. Shri Pandey also looked after Shri N. V. Hall, vice Shri J. K. Shah.

(2) Shri D. C. Vyas was appointed Warden of Shri M. V. Hall vice Dr. J. R. Pandya.

(3) Shri D. M. Shringarpure took up the charge of Shri S. J. Hall vice Shri B. R. Misra.

(4) Dr. R. P. Bhatt was appointed Warden of the Vikram Sarabhai Hall.

The resident students of Shri M. M. Hall and Shri M. A. Hall celebrated the Silver Jubilee of their Halls during the year.

2. University Health Centre

The staff of the Health Centre consisted of One Medical Officer, One Part-time Lady Doctor, One Nurse, One Sanitary Inspector, One Compounder-cum-Clerk, One Laboratory-cum-X-ray Technician, three Hamal-cum-sweepers two Honorary Physicians, One Surgeon and One Lady Gynaecologist.

Halls of Residence were visited every month twice—once after previous intimation and once without, for inspecting the maintenance of sanitation and hygiene in the hostels and their kitchens. The Centre gave preventive treatment for malaria, gastro-entritis, cholera, etc.

The new entrants were given a medical-check-up by the Medical Inspection Board at the S.S.G. Hospital. Out of the total 5466—entrant students scheduled for medical check up 3891 (71.18%) reported. Out of the total 3891 examined, 1428 (36.7%) were recommended follow-up treatment to be taken either from the Health Centre, specialists of the S.S.G. Hospital or their family doctors, for various disorders viz. skin, eye, ear, nose, throat, heart, etc. Out of 1428 follow-up students, 744 (52.10%) completed their follow-up treatment.

During the year the total attendance of the patients at the Health Centre Clinic was 29,900 (20,899 students and 9,001/- members of the staff and their families). The average daily attendance was 81.90% during the year.

The total number of Laboratory investigations was 1115. The total number of furoscopy examination was 698.

As it was difficult for the employees staying outside the campus in the city to take advantage of the Health Centre situated in the University area, two Centres were established in 1973-74—One near Kothi and the other at Bajwada and Pratapnagar area. Dr. G. S. Apte and Dr. N. R. Dalal were in-charge of the two Centres respectively. These facilities were continued in the year 1975-76 also and the number of attendance at these Centres was—7620.

3. Physical Education Department

- (1) Staff: The staff consisted of one Director, 2 Senior Physical Instructors, 4 Physical Instructors, 1 Volley ball Coach, 2 Swimming Trainers, 1 Boating Trainer, 1 Life Guard and 1 Clerk.
- (2) Physical Training: Physical training was imparted to 2911 men and 1587 women students.
- (3) Major Games: (i) Cricket, (ii) Tennis, (iii) Hockey, (iv) Football (M. and W.), (v) Kho-Kho (M. and W.), (vi) Kabaddi, (vii) Track and Field events (Athletics), (viii) Volleyball (M. and W.), (ix) Throwball, (x) Net. ball, (xi) Swimming, (xii) Boating and (xiii) Shooting.

There were 115 members in Swimming and 634 in Boating. Coaches were appointed in various games. A Coaching Camp in Basket Ball was conducted for 15 days at Baroda by Shri G. Parmaswaran, a National Coach. Nearly 35 students took advantage of the Camp.

(4) Participation in Tournaments and Competitions

(a) Inter University Tournaments:

Sr. No.	Name of the Game	Venue	Result	Remarks
(i)	Kho-Kho (Women)	Indore	All India II place, Runners	Lost in the final
(ii)	Football (W. Z.)	Baroda	Reached upto League Semi finals	Stood IV in the Western Zone
(iii)	Shooting (Men)	Neemach	—	Secured IV Place in All India Shooting.
(iv)	Athletics (Men)	Hyderabad	Reached upto Semi finals Securing I place in heats	—
(v)	Badminton (Men)	Gwalior	Lost in Semi finals W. Zone	Lost against Bombay
(vi)	Badminton (Women)	Gwalior	Lost in Semi finals West Zone	Lost against Poona
(vii)	Kho-Kho (Men)	Mysore	Lost in the quarter final All India	Lost against Poona

Sr. No.	Name of the Game	Venue	Result	Remarks
(viii)	Cricket (Men)	Bombay	Lost in the quarter final	Lost against Poona
(ix)	Table Tennis (Men)	Madras	Lost in the quarter final	Lost against I.I.T. Madras
(x)	Table Tennis (Women)	Madras	Lost in the IIInd round	—
(xi)	Cricket (Women)	Rajkot	Lost in the Preliminary round	—
(xii)	Hockey (Men)	Jabalpur	Lost in the IIInd round	—
(xiii)	Tennis (Men)	Dharwar	Lost in the Preliminary round	—
(xiv)	Athletics (Women)	Hyderabad	—	—
(xv)	Basketball (Men)	Jodhpur	Lost in the Preliminary round	—
(xvi)	Basketball (Women)	Trivendrum	Lost in the Preliminary Round	—
(xvii)	Volleyball (Men)	Kolhapur	Lost in the Preliminary round	—

(b) Participation in State Championships

(i) Athletics: Athletic Team consisting of six athletes (men) participated in the Gujarat State Athletic Meet held at Ahmedabad in the 1st week of January 1976.

- Results:
1. Shri Jude D'Souza of Polytechnic stood Ist in 100 Mts., 200 Mts., Running.
 2. Shri M. M. Das of Law Faculty stood IIInd in Long Jump.
 3. Shri Barath Stood Ist in Hammer Throw.
 4. Shri Pathan Stood IIIrd in Hammer Throw.
 5. Shri Dalsania of Padra College stood IIIrd in Pole Vault.

(ii) Basketball (Women): Participated in Gujarat State Basketball Tournament held at Baroda and lost in quarter final.

(iii) Basketball (Men): Participated in Gujarat State Basketball tournament held at Baroda and lost in quarter final.

(iv) Kabaddi (Men): Participated in Gujarat State Kabbadi tournament held at Amreli and lost in the first round.

(v) Volleyball (Women) Participated in Gujarat State Volleyball Championship and declared Runners-up.

(vi) Badminton: Participated in Open Gujarat Major Ranking Tournament held at Nadiad.

Result: Men's Single : Winner Shri C. B. Chand (Technology),
Men's Double : Winners Shri C. B. Chand and Shri Pranob Chatterjee (Medicine)
Women's Single : Winner Kum. Asha C. Desai (Home Science)
Women's Doubles : Winners Kum. Asha C. Desai and Partner
Mixed Doubles : Winners Kum. Asha C. Desai and Partner.

Badminton: Participated in Selection Tournaments for the West-Zone Inter State Tournaments held at Gandhinagar:

Results: Men's Singles : Winner Shri C. B. Chand
Men's Double : Winners Shri C. B. Chand and Shri Pranob Chaterjee.
Women's Single : Winner Kum. Asha C. Desai
Women's Double : Winners Kum. Asha C. Desai and Partner
Mixed Doubles : Winners Kum. Asha C. Desai and Partner.

(d) Local Tournaments

(i) Football:

- (1) The Baroda District League Tournament: Result: **Champion**
(2) Jaycees Knock Out Tournament: Result: **Lost against Western**
(3) Saxena Memorial ONGC Tournament: Result: **Lost**

(ii) Boating:

Participated in the races conducted by Baroda Jaycees and gave good performance.

(e) Campus Tournaments: Inter-Faculty Tournaments:

Sr. No.	Games	Winners	Runners-up
(i)	Basketball (Men)	Faculty of Technology and Engineering	Faculty of Commerce
(ii)	Volleyball (Men)	Preparatory Science	Faculty of Science
(iii)	Football	Faculty of Arts	Faculty of Commerce
(iv)	Tennis	Faculty of Medicine	Faculty of Technology and Engineering
(v)	Hockey (Men)	Faculty of Commerce	Faculty of Arts
(vi)	Annual Athletic Meet	Individual Championship in Men's awarded to Shri Jude D'Souza of F.Y.D. Polytechnic and in Women's to Miss Saraswati Rajput and Miss Claudea.	
(vii)	Annual Boating Competitions	Shri Mapara and Kum. Sudha Bhatt were awarded the individual championship.	
(viii)	Annual Swimming Competitions	Shri S. B. Bhavsar of Faculty of Commerce won the Championship.	

Open Tennis Tournaments, Inter-Class Boating Races and Competitions in Throw Ball, Kho-Kho and Volleyball were conducted. National Physical Efficiency Test was conducted on 31st December, 1975 for the University students.

(f) Other Noteworthy

(i) The Inter University Sports Board Scholarship for the year 1975-76 was awarded to:

- (1) Shri A. D. Gaekwad —Faculty of Commerce for Cricket
(2) Kum. Lata George —Faculty of Commerce for Table Tennis

- (3) Kum. Bhavana Parikh —Faculty of Arts for Kho-Kho
 (4) Kum. Dipti Dixit —Faculty of Social Work for Swimming
- (ii) Shri A. D. Gaekwad was included in All India Cricket XI to play against the New Zealand and the West Indies.
- (iii) Shri I. D. Chauhan was adjudged as the best Cricketer of the year in the M. S. University to receive the Ranji Centenary Award for the year 1975-76. He was also selected to represent West Zone in Vizzy Trophy Tournament.
- (iv) Sarvashri I. D. Chauhan, Deepak Patel and R. Y. Deshmukh were selected to play for Baroda XI in Ranji Trophy Tournament.
- (v) Kum. Kusum Joshirao was selected for the Coaching in Cricket for combined Universities team held at Jammu. She was also selected for the combined universities team and played in the match against the New Zealand women's cricket team.
- (vi) Shri Deepak Patel represented West Zone in C. K. Naidu Tournament (Under 22) held at Calcutta.
- (vii) Sarvashri Yunoos A. Ginwala, Salim A. Ginwalla and Thompson Musua were selected to attend a coaching camp in Football to be conducted by I.U.S.B. at Patiala during summer holidays.
- (viii) Shri Bharat Kshatriya was selected to attend a coaching camp in Volleyball to be conducted by I.U.S.B. at Patiala during summer holidays.

Selected for Nationals

- (ix) Athletics (Men): Shri Jude D'Souza represented Gujarat State in National Athletic Meet held at Palai (Kerala) and reached upto Semi-finals in 100 Mts. and 200 Mts. Running.
- (x) (1) Shri D. Raghu (Captain), (2) Shri Harpal Chudasama and (3) Shri Kamal Patel were selected to represent Gujarat State in National Basketball Championships held at Calcutta. Shri Yogin C. Patel was selected for Nationals but could not participate.
- (xi) Basketball (Women): (1) Kum. June Williams, (2) Kum. Claudea Putsher, (3) Kum. Parulata Patel, (4) Kum. Asmita Patel, (5) Kum. Hemlata Ramanuj and (6) Kum. Alka Mehra were selected to represent Gujarat State in Basketball National Championship held at Calcutta.
- (xii) Basketball (Men): (1) Shri D. Raghu, (2) Shri Dilip Vyas and (3) Shri Harpal Chudasama were selected to represent Gujarat State in All India level Invitation Tournament held at Bhilwada and Delhi.

- (xiii) Volleyball: Three women students were selected to represent Gujarat Volleyball team in National Championship. Shri Karansingh Chavda was selected to represent Gujarat State Volleyball team for Nationals.
- (xiv) Football: Two football players (1) Shri Yunoos A. Ginwalla and (2) Shri Salim A. Ginwalla represented Gujarat State in National Santosh Trophy Tournament held at Palai (Kerala).
- (xv) Badminton: Shri C. V. Chand, Shri Pranob Chatterjee and Kum. Asha C. Desai were selected to represent Gujarat State in West Zone Inter-State Badminton Tournament held at Nagpur.

Selected for Inter-Zonal University Championships:

(xvi) Football: West-Zone Team:

1. Shri Yunoos A. Ginwalla
2. Shri Salim A. Ginwalla
3. Shri Thompson Musua

(xvii) Volleyball: West-Zone Team:

1. Shri K. C. Chavda
2. Shri B. S. Kshatriya

4. National Cadet Corps

(1) The strength of NCC Officers and cadets was as under:

Unit	NCC Officers	NCC Cadets
(i) 3 Gujarat Battalion NCC	4	352
(ii) 12 Gujarat Battalion NCC	4	189
(iii) 1 Gujarat Camp. Tech. Regt. NCC	3	150
(iv) 5 Gujarat Girls Battalion NCC	2	150
(v) 2 Gujarat Naval Unit NCC	4	186
(vi) 1 Gujarat Air Sqn. NCC	2	200

Training of all the units started in July, 1975 and terminated in February, 1976.

(2) The attendance at the Annual Training Camps was as under:

Unit	Strength	
	Officers	Cadets
(i) 3 Gujarat Battalion NCC	2	60
(ii) 12 Gujarat Battalion NCC	2	55
(iii) 1 Gujarat Compo Tech. Regt. NCC	1	19
(iv) 1 Gujarat Air Sqn. NCC	2	34
(v) 2 Gujarat Naval Unit NCC	2	21
(vi) 5 Gujarat Girls Bn. NCC	1	26

(3) The following number of Officers/Cadets attended the various camps/courses during 1975-76:

Camp/Course	Number attended	
	Officers	Cadets
(i) Advance Leadership course Senior Division Boys held at Kalimpong from 21-4-1975 to 11-5-1975	—	2
(ii) All India Summer Training Camp Sr. Div. Boys held at Bangalore from 5-5-1975 to 18-5-1975	—	2
(iii) All India Summer Training Camp Sr. Div. Boys held at Gangapur from 5-5-1975 to 18-5-1975	—	2
(iv) Advance Leadership Course Sr. Div. Boys held at Cochin from 5-5-1975 to 25-5-1975	—	3
(v) All India Summer Training Camp of Sr. Div. Girls held at Hyderabad from 6-5-1975 to 17-5-1975	—	8
(vi) Advance Leadership Course Sr. Div. Boys held at Panchmarhi from 12-5-1975 to 1-6-1975	—	6
(vii) Advance Leadership Course Jr. Div. Boys held at Pune from 12-5-1975 to 1-6-1975	—	4
(viii) Advance Leadership Course Sr. Div. Boys held at Ranchi from 12-5-1975 to 1-6-1975	—	1
(ix) All India Summer Training Camp Sr. Div. Boys held at Coimbatore from 19-5-1975 to 1-6-1975	—	10
(x) All India INS-NAU SAINIK Camp at Vishakhapatnam from 20-5-1975 to 2-6-1975	—	8
(xi) Advance Leadership Course Girls Div. Sr. Wing held at Sauni from 20-5-1975 to 18-6-1975	—	2
(xii) All India Summer Training Camp Sr. Div. Boys held at Karolpura from 9-6-1975 to 22-6-1975	—	2
(xiii) Attachment to Regular Army Unit with 14 GRENA—DIERS C/o 56 APO course conducted from 4-5-1975 to 24-5-1975	—	53
(xiv) Attachment course to Regular Army Unit with 54 ENGR REGT C/o. 56 APO from 4-5-1975 to 24-5-1975	—	2
(xv) Attachment Course to Regular Army Units with 142 SIG Regiment C/o. 56 APO from 19-5-1975 to 8-6-1975	—	4
(xvi) Attachment Course with Regular Navy Unit with INSDHARNI from 26-5-1975 to 21-6-1975	—	2
(xvii) Attachment Course with Regular Air Force Unit with AF STATION AGRA from 14-7-1975 to 2-8-1975	—	3

Eight cadets attended Prime Minister's Rally-Republic Day Parade on 26th January, 1976.

(4) (a) The All India-Inter University Shooting competition was held at Nimach (MP) on 15th and 16th December, 1975. Four Ex-cadets of 2 Gujarat Bn. NCC took part in the above competition and obtained fourth position.

(b) The Inter-Unit shooting competition of Senior Div. Cadets of local units was held on 12th October, 1975 and the team of 3 Guj. Bn. NCC stood first.

(5) Programme of Social Service by NCC has been introduced during the year under report. Various small independent projects like Road Construction/Repair, Traffic Duties, Cleaning, Clearing of Village/Slum areas and lecture on Hygiene and Sanitation to the villagers were under taken by the NCC cadets which brought a number of letters of appreciation from various Civil Officials/authorities.

(6) A combined Guard of Honour consisting of 50 cadets was presented to Shri Fathehsinhrao Gaekwad, Chancellor M. S. University of on the eve of University Convocation held on 6th December, 1975.

(7) The number of Cadets who have been awarded various certificates are shown as under :

Examination	Number
' B ' Certificate	121
' C ' Certificate	40
' G ' Part I	7
' G ' Part II	5

(8) Glider flying training was imparted to 45 cadets of 1st year and 2nd year of 1 Gujarat Air Sqn. Ncc. and 1557 launches were carried out by the unit upto 7th March, 1976 .20 cadets of 2nd and 3rd year were given power flying at Gujarat Flying Club, Baroda and they completed more than 650 hours of flying. 11 cadets did solo flying while 5 cadets were given solo gliding.

5. National Service Scheme

(1) The National Service Scheme was sponsored in the year 1969-70 by the Ministry of Education and Social Welfare, Government of India and the Department of Education, Government of Gujarat. The main objective is to engage the University Youth in creative and constructive social action during their spare time and help them to apply their scholarship to practical use. It is mainly education through community services which provides opportunities to student for his personality development.

(2) The activities of NSS Unit, M. S. University of Baroda consisted of concurrent and special camping programmes for the year 1975-76. The concurrent programmes are co-terminus with the academic terms of the University, while special camping programme is organised during holidays and vacations.

(3) The staff of the N.S.S. consisted of a Hon. Director, a Deputy Director, a Programme Co-ordinator, 2 Field Organizers, 18 N.S.S. Programme Leaders, Office Secretary, 2 Office Assistants, One Driver and two peons.

(4) Against the allocation of 2600, the enrolment of N.S.S. students was 2650 (2161 Boys and 489 Girls) during the year 1975-76.

Various groups were formed according to the interests of the students who have to work two to three hours a week and put in 120 hours in a year.

(5) The following are the activities of the various groups :

(i) City Service Projects, (ii) Construction/Craft Projects, (iii) Co-operative Service Projects, (iv) Creative Activity Projects, (v) Educational Service Projects, (vi) Family Life Education Projects, (vii) Health Service Projects, (viii) Hospital Service Projects, (ix) Mass Education Projects, (x) Primary School Projects, (xi) Projects for Disabled people, (xii) Village Development Projects, (xiv) Youth Service Projects, (xvi) Library-cum-Multiple Service Projects, and (xvii) Padra College NSS Projects.

In addition to regular projects mentioned above, special programmes were arranged at the Receiving Centre for Beggars, Warashia. An empty water tank not being used was filled up with earth and was converted into land for kitchen garden and residential area for the inmates of the Institution at Warashia.

(6) Camps were arranged at various places under the schemes—Youth Against Dirt and Disease and Youth for Afforestation and Tree Plantation. The details of the camps are as under :

Sr. No.	Place	Duration	No. of Campers
(i)	Kothia	3- 5-1975 to 13- 5-1975	37
(ii)	Rangpur I	22- 5-1975 to 31- 5-1975	37
(iii)	Tilakwada	20- 5-1975 to 30- 5-1975	58
(iv)	Rajupura	25- 5-1975 to 30- 5-1975	20
(v)	Rangpur-III	1- 6-1975 to 10- 6-1975	55
(vi)	Bhaniara	2- 6-1975 to 11- 6-1975	23
(vii)	Rangpur-II	14- 6-1975 to 22- 6-1975	28
(viii)	Lamdapura-I	20-10-1975 to 30-10-1975	43
(ix)	Vadu	20-10-1975 to 30-10-1975	53
(x)	Kandari	21-10-1975 to 31-10-1975	69
(xi)	Rupapura	22-10-1975 to 1-11-1975	50
(xii)	Lamdapura-II	8-11-1975 to 18-11-1975	28
(xiii)	Por	8-11-1975 to 18-11-1975	47
(xiv)	Dabhasa	10-11-1975 to 20-11-1975	44
(xv)	Sathod	10-11-1975 to 20-11-1975	42
(xvi)	Puniyad	11-11-1975 to 21-11-1975	68
(xvii)	Bil	13-11-1975 to 23-11-1975	44
(xviii)	Ganpatpura	15-11-1975 to 25-11-1975	76
(xix)	Anandi	14-11-1975 to 24-11-1975	77
(xx)	Borbar	19-11-1975 to 29-11-1975	50
(xxi)	Gambhira	20-10-1975 to 30-10-1975	35
(xxii)	Pachlasi	18-10-1975 to 27-10-1975	11
Total :			983

The Campers have completed 3 Gobar Gas Plants, 165 Bavla Type Latrines, 354 Soak-Pits, 167 Smokeless Chulas, and 4 Composed-Pits, Other manual work carried out by them is as under:—

- (i) Village cleanliness campaign,
- (ii) Levelling, repairing of roads,
- (iii) Construction of roads and approach roads,
- (iv) Afforestation of 1890 meters,
- (v) Canal construction—(1,000 fts.) and
- (vi) Tree plantation—(270).

(7) Apart from above activities the following educational, medical and health programmes were undertaken in various villages:

(i) Motivation for gobar gas plants, (ii) Mass-immunisation, (iii) Scar survey, (iv) Medical check-up, (v) Motivation for blood donation, (vi) Healthy baby competition, (vii) Slogan writing on walls, (viii) Public entertainment programmes, (ix) Family planning exhibition, (x) Home decoration competition, (xi) Clean utensils competition, (xii) Maholla safai competition, (xiii) Film shows, (xiv) Health surveys, (xv) Eye-diagnostic camp, (xvi) Re-vaccination, (xvii) Removal of encroachment on land and (xviii) Disinfection of water in wells.

6. 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, drafts, chess, table tennis, etc. and reading materials by way of daily 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.

7. Hobby Workshop

The M. S. University Hobby Workshop provided instruction to 137 students in various hobbies during 1975-76 as mentioned below:

Hobby	Students
(i) Carpentry	20
(ii) Assembling electrical and electronic appliances	15
(iii) Music	35
(iv) Clay-modelling	15
(v) Photography	52
Total	137

8. University Employment Information and Guidance Bureau

The Bureau carried out the following activities:

	Number of Students
(i) Registration of students	810
(ii) Submission	3,268
(iii) Placement	56
(iv) Supply of information to individuals	1,138
(v) Guidance to students	320
(vi) Group talks	12
(vii) Visitors	1,892

The Bureau also conducted courses in Stenography, English and Gujarati Typing under the Educated Unemployment Relief Scheme of the Government of Gujarat. It also made efforts to direct unemployed persons for training in Office Management, Banking, Accountancy, Management and Industrial Engineering, Computers Training etc. under the new Scheme introduced by the State Government from the year 1975-76.

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

Statement showing the number of University Students in the Academic year 1975-76

Appendix I

Sr. No.	Institution	*Post-graduate Courses				Degree Courses		Diploma Courses		Grand Total		Grand Total	
		Men		Women		Men		Women		1975-76		1974-75 1973-74	
1	Faculty of Arts	292	182	1364	934	19	6	1675	1122	2797	3483	2291	
2	Faculty of Science	268	99	830	382	47	2	1145	483	1628	2015	1621	
3	Faculty of Education and Psychology	86	56	100	218	—	—	186	274	460	425	468	
4	Faculty of Commerce	539	112	2141	803	8	—	2688	915	3603	4142	2973	
5	Faculty of Medicine	109	36	625	114	—	—	734	150	884	888	778	
6	Faculty of Technology and Engg.	89	1	2467	88	†279	—	2835	89	2924	3026	2688	
7	Faculty of Fine Arts	30	11	76	54	†107	†10	220	85	305	276	255	
8	Faculty of Home Science	1	154	—	787	—	—	1	941	942	822	718	
9	Faculty of Social Work	69	30	—	—	—	—	69	30	99	87	89	
10	Faculty of Law	42	4	726	108	225	50	993	142	1135	1943	1026	
11	Preparatory Unit—Arts and Commerce	—	—	1393	717	—	—	1393	717	2110	2140	1554	
12	Preparatory Unit—Science	—	—	1004	197	—	—	1004	197	1201	1188	1077	
13	M. K. Amin Arts and Science College and College of Commerce, Padra	—	—	916	118	—	—	916	118	1034	1092	1373	
14	College of Indian Music, Dance and Dramatics	11	5	40	40	—	—	51	45	96	101	103	
15	Baroda Sanskrit Mahavidyalaya	8	—	10	2	52	7	70	9	79	60	54	
16	Polytechnic	—	—	—	—	1839	2	1839	2	1841	2052	1483	
TOTAL...		1,544	690	11,680	4,568	2,595	61	15,819	5,319	21,138	23,740	18,551	

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

† Includes Post-Diploma Students.

Appendix II

Statement showing the number of Non-University Students in the year 1975-76

Institution	Men	Women	Total		
			1975-76	1974-75	1973-74
(A) Diploma Courses					
(1) College of Indian Music, Dance and Dramatics	395	307	702	721	648
(B) Certificate Courses					
(1) Faculty of Arts	182	22	204	382	393
(2) Faculty of Fine Arts	12	3	15	11	12
(3) Baroda Sanskrit Mahavidyalaya	82	3	85	68	69
(C) S.S.C. Courses					
(1) University Experimental School	296	217	513	519	508
(D) Nursery Courses					
(1) Chetan Balwadi	37	25	62	57	57
(2) Kindergaten	11	12	23	28	28
Total	1015	589	1604	1786	1715

Appendix III

List of Degree/Diplomas conferred at the Annual and Supplementary Convocations during the year 1975-76

Sr. No.	Degree/Diploma	Annual Convocation	Supplementary Convocation	Total
		December, 1975	March, 1976	
1	2	3	4	5
1.	Ph.D. (Arts)	4	2	6
2.	Ph.D. (Science)	9	3	12
3.	Ph.D. (Edu. and Psy.)	15	3	18
4.	Ph.D. (Commerce)	1	—	1
5.	Ph.D. (Medicine)	1	—	1
6.	M.D.	7	13	20
7.	M.S.	3	8	11
8.	M.A.	161	5	166
9.	Acharya	3	—	3
10.	B.A.	536	51	587
11.	Shastri	4	—	4
12.	Bachelor of Library Science	36	—	36
13.	M.Sc. (Final)	162	7	169
14.	B.Sc.	207	29	236
15.	M.Ed.	49	2	51
16.	B.Ed.	125	4	129
17.	M.Com.	63	8	71
18.	B.Com.	914	48	962
19.	P.G. Dip. in Banking	32	4	36
20.	P.G. Dip. in Co-operation	1	—	1
21.	M.Sc. (Medical)	3	11	14
22.	M.B.B.S.	47	84	131
23.	B. Physiotherapy	7	3	10
24.	D.O.	1	3	4
25.	D.A.	1	—	1
26.	D.L. and O.	1	1	2
27.	D.C.H.	1	—	1
28.	T.D.D.	2	1	3
29.	D.C.P.	1	1	2

1	2	3	4	5
30. D.P.H.		2	—	2
31. D.G.O.		4	4	8
32. D.M.R.D.		—	1	1
33. M.E.		10	9	19
34. M.Text.		1	—	1
35. M.Sc. (Applied Physics)		3	—	3
36. B.Tech.		1	9	10
37. B.E.		332	3	335
38. B.Text. (Engg.)		9	—	9
39. B.Text. (Tech.)		30	1	31
40. B.Arch.		31	12	43
41. P.G. Dip. in Ref. and Air-Cond.		1	—	1
42. LL.M.		5	5	10
43. LL.B. (Special)		61	5	66
44. LL.B. (General)		256	41	297
45. D.T.P.		54	4	58
46. D.L.P.		18	3	21
47. M.A. (Fine)		8	—	8
48. M.Mus.		7	—	7
49. B.A. (Fine)		8	—	8
50. B.Mus.		12	—	12
51. P.G. Dip. in Museology		1	1	2
52. M.Sc. (Home)		28	8	36
53. B.Sc. (Home)		107	9	116
54. P.G. Dip. in Pre-School Education		17	—	17
55. P.G. Dip. in Dietetics		12	8	20
56. M.S.W.		25	3	28
57. P.G. Dip. in Industrial Relation and Personnel Management		—	15	15
Total		3440	432	3872

Statement showing the number of Teaching Staff of various Faculties and Institutions as on 31st March, 1976

Institution	Pro- fessors	Readers	Lec- turers	Teaching		Total
				Asstt. Lec- turers, Senior Junior Instructors	Honorary Part- time, Research and others	
Arts	11	19	62	—	4	96
Science	11	21	137	1	—	170
Education and Psychology	4	8	20	3	14	49
Commerce	3	7	24	7	3	44
Technology and Engineering	19	31	138	12	24	224
Fine Arts	1	7	20	2	2	32
Home Science	3	7	35	7	—	52
Social Work	1	3	6	2	—	12
Law	1	2	3	—	14	20
Oriental Institute	1	1	4	—	—	6
College of Indian Music, Dance and Dramatics	1	3	20	18	1	43
Baroda Sanskrit Mahavidyalaya	—	1	13	—	1	15
Polytechnic	1	5	71	12	—	89
M. K. Amin Arts and Science College and College of Com- merce, Padra	—	1	26	1	3	31
Total	57	116	579	65	66	883

Appendix V

List of students qualifying for the Ph.D. Degree during the year 1975-76

Sr. No.	Name	Subject	Title of the Thesis
Faculty of Arts			
1.	Shri Sudhakar Narhari Pendse	Sanskrit	The Oath and Ordeals in Dharmashastra
2.	Shri Chirapat Prapandvidya	Sanskrit	Dharmaranya Purana: A Critical Study.
3.	Smt. Indira Saxena	History	The Early Gaekwads:— History of Baroda State from Pilajirao Gaekwad to Fatehsinhrao Gaekwad (1720-1789).
4.	Smt. Ranu Vijay Vanikar	English	Vision and Voice: A study of the treatment of Nature and time in the Novels of William Faulkner.
5.	Kum. Anuradha Manmohan Dalal	Hindi	Hindi ka Bhaktikal tatha uska Kavyaka Punarmulyakan.
6.	Shri Fakirbhai Gordhanbhai Patel	Hindi	Swatantrrotar (i.e. from 1947 to 1967) Hindi Aur Gujarati ke Samayik Upanyasan ka Tulnatmak Adhyayan.
7.	Shri Kisan Rao Sangem	Economics	Growth Productivity and Technical Change in Indian Railways (1951-72).
8.	Smt. Sindhu Balakrishna Bhatwadekar	Philosophy	The Upanisadic Theory of Value.
Faculty of Science			
9.	Shri M. Parameshwaran	Bio-Chemistry	Nutritional deficiencies and enzymes of Glutamate Metabolism in the Rat Brain.
10.	Kum. Shailja Dattatraya Telang	Bio-Chemistry	Effects of Prenatal, Neonatal and Post weaning Nutritional Deficiencies on Brain Enzymes in Rats.
11.	Kum. Nargis Ibrahim Kachwala	Bio-Chemistry	Bio-chemical Studies on Algal Bacterial Synbiosis in High Rate Oxidation Ponds using Chlorella vulgaris and Baroda raw settled Sewage.
12.	Shri Satishchandra Jagmohandas Chokshi	Botany	Studies on growth and Alkaloid content in Datura Metal L. Cellus and Cell Suspension Cultures.
13.	Shri Rasiklal Amulakhbhai Vora	Chemistry	Influence of Molecular Structure of Cholesteric and Nematic Liquid Crystalline properties and phase transitions in structures.
14.	Kum. Purnima Chandrakant Parikh	Chemistry	Solution Stabilities and Structures of some mixed ligand Complexes.
15.	Shri Kanaiyalal Vanmalidas Masrani	Chemistry	Sorption Studies of Coumarins with Ion Exchange Resins.
16.	Shri Shankerlal Purshottam Prajapati	Chemistry	Studies in dihydroxy diaryls and other compounds.
17.	Shri Occhavlal Krishnalal Shph	Geology	Geology of the Area around Bhimtal (Dist. Nainital) with special reference to its structure and stratigraphy.
18.	Kum. Bharati Ramanlal Dhruva	Microbiology	Chemical Nutritional and Bio-chemical Studies in Plant Tissue Culture such as Techno Grandis (Teak).
19.	Kum. Freny Homi Doctor	Microbiology	Studies on Genetics Transformation using mutants of Rhizobium Japonicum.
20.	Shri Jitendra Dhirubhai Desai	Microbiology	Metabolic Properties of Botin—deficient Aspergillus. nidulans.
21.	Shri Maulesh Prataprai Maru	Physics	The Scattering of Slow Electrons by Polar Molecules.
22.	Shri Mahmood Ali Khan	Zoology	Studies on some aspects of denervated Pigeon breast muscle.
Faculty of Education and Psychology			
23.	Shri Siba Prasad Bhattacharya	Education	Micro-teaching in the training of Polytechnic teachers.
24.	Smt. Yogini Chandravadan Pathak	Education	A Study of some aspects of physical growth of Children from two to six years of age from urban and rural areas of Gujarat.

Sr. No.	Name	Subject	Title of the Thesis
25.	Kum. Damayanti Jadavji Modi	Education	Construction and standardisation of a listening comprehension test in Gujarati for Class VIII.
26.	Kum. Jyotila Girdharlal Shah	Education	A critical Inquiry into the programme of Home Science Education in the Secondary Schools of India.
27.	Shri Gurubasappa Mallikarjan P.	Education	Perceptual Factors and success in Teacher Education Course.
28.	Shri Marmar Mukhopadhyay	Education	Barriers to change in Secondary Education.
29.	Shri Dalsukhbhai Gaurishanker Pandya	Education	A study of effectiveness of Supervision as a function of organising variables and professional equipment of High school supervisors.
30.	Shri Punambhai Ambalal Patel	Education	A study of factors affecting growth of secondary education in Gujarat State during British period.
31.	Kum. Ivy Franklin	Education	A study of organisational climate and teacher morale in Colleges of Education in Gujarat.
32.	Shri Shivkumar Saini	Education	The Socio-Economic and Political Factors in the development of Education in British India during 1921-1947.
33.	Shri Dahyabhai Ramanlal Darji	Education	A study of leadership behaviour and its correlates in the secondary schools of Panchmahals District.
34.	Shri Shiv Darshan Roka	Education	A comprehensive study of Verbal Teaching Behaviour Patterns and students Achievements in terms of Instructional Objectives.
35.	Kum. Girija Mubayi	Education	A Study of the Achievement Motive of Secondary School Pupils of Scheduled Tribes of South Gujarat.
36.	Kum. Usha Chhotalal Adhyapaka	Education	The Role of Private Agencies in the Development of Education in Gujarat.
37.	Kum. M. S. Padma	Education	Teaching Patterns and Pupils Attainment.

Sr.No.	Name	Title	Where published
38.	Shri Hanumant Krishnarao Khanapurkar	Education	Construction and standardisation of a verbal Group Test of Intelligence for the Children of age groups 13 years to 17 years and residing in Marathawad Region of Maharashtra State.
39.	Kum. Kerma Sarah Lyngdos	Education	A Study of the Achievement Motive, Fear, concern occupational aspirations and Family influence of the tribal and non-tribal College boys and girls of Meghalaya (Shillong).
Faculty of Medicine			
40.	Shri V.S.R. Krishnamurthy	Pharmacology	The role of Calcium ion in mechanical contractile response of vascular smooth muscle of rat.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
36			3	—	2	1	3	—	—	—	1	1	—	—	—	2	—	1	33.33%
37			13	2	9	2	11	—	—	—	9	9	—	—	—	1	1	10	90.90%
38			5	1	4	—	4	—	—	—	3	3	—	—	—	2	2	3	75.00%
39			3	—	1	2	3	—	—	—	—	—	—	—	—	1	1	1	100.00%
40			1	—	—	1	1	—	—	—	—	—	—	—	—	1	1	2	100.00%
41			3	1	1	1	2	—	—	—	1	2	—	—	—	—	2	2	50.00%
42			4	—	4	—	4	—	—	—	—	—	—	—	—	—	—	—	00.00%
43			1	—	1	—	1	—	—	—	2	—	—	—	—	—	—	—	100.00%
44			1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	100.00%
45			1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00.00%
46			9	2	7	—	7	—	—	—	3	3	—	—	—	—	3	3	42.86%
47			1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	—	100.00%
48			1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	—	100.00%
49			1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	—	100.00%
50			1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	—	100.00%
51			2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	—	100.00%
52			1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	—	100.00%
53			2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	—	100.00%
54			5	—	2	3	5	—	—	—	2	2	—	—	—	2	2	4	80.00%
55			128	1	113	14	127	—	—	—	86	86	—	—	—	13	13	99	77.55%
56			29	1	26	2	23	—	—	—	18	18	—	—	—	2	2	20	71.43%
57			41	—	39	2	41	—	—	—	33	33	—	—	—	2	2	35	85.36%
58			12	—	2	10	12	—	—	—	1	1	—	—	—	5	5	6	50.00%
59			4	1	—	3	3	—	—	—	—	—	—	—	—	2	2	2	6.00%

* No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
60			14	—	5	9	14	—	—	—	4	4	—	—	—	7	7	11	78.57%
61			3	—	2	1	3	—	—	—	2	2	—	—	—	—	—	2	66.66%
62			11	—	4	7	11	—	—	—	1	1	—	—	—	6	6	7	63.63%
63			406	1	405	—	405	—	37	114	72	223	—	—	—	—	—	223	55.19%
64			396	—	396	—	396	—	27	113	87	227	—	—	—	—	—	227	57.03%
65			60	8	52	—	52	—	—	—	20	20	—	—	—	—	—	20	39.32%
66			69	2	67	—	67	—	3	6	23	32	—	—	—	—	—	32	48.40%
67			4	—	4	—	4	—	—	—	3	3	—	—	—	—	—	3	75.00%
68			22	7	15	—	15	—	—	—	13	13	—	—	—	—	—	13	85.71%
69			34	4	30	—	30	—	—	—	7	7	—	—	—	—	—	7	23.33%
70			10	—	10	—	10	—	1	4	2	7	—	—	—	—	—	7	70.00%
71			48	7	41	—	41	—	5	17	17	39	—	—	—	—	—	39	95.00%
71A			45	6	39	—	39	—	1	4	16	21	—	—	—	—	—	21	53.87%
72			139	3	136	—	136	—	2	61	23	104	—	—	—	—	—	104	76.47%
73			124	2	122	—	122	—	14	48	36	98	—	—	—	—	—	98	80.32%
74			26	—	26	—	26	—	—	—	25	25	—	—	—	—	—	25	96.15%
75			94	—	93	1	94	—	8	15	36	59	—	—	—	—	—	59	62.76%
76			44	1	43	—	43	—	—	—	23	23	—	—	—	—	—	23	53.48%

* No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
60			14	—	5	9	14	—	—	—	4	4	—	—	—	7	7	11	78.57%
61			3	—	2	1	3	—	—	—	2	2	—	—	—	—	—	2	66.66%
62			11	—	4	7	11	—	—	—	1	1	—	—	—	6	6	7	63.63%
63			406	1	405	—	405	—	37	114	72	223	—	—	—	—	—	223	55.19%
64			396	—	396	—	396	—	27	113	87	227	—	—	—	—	—	227	57.03%
65			60	8	52	—	52	—	—	—	20	20	—	—	—	—	—	20	39.32%
66			69	2	67	—	67	—	3	6	23	32	—	—	—	—	—	32	48.40%
67			4	—	4	—	4	—	—	—	3	3	—	—	—	—	—	3	75.00%
68			22	7	15	—	15	—	—	—	13	13	—	—	—	—	—	13	85.71%
69			34	4	30	—	30	—	—	—	7	7	—	—	—	—	—	7	23.33%
70			10	—	10	—	10	—	1	4	2	7	—	—	—	—	—	7	70.00%
71			48	7	41	—	41	—	5	17	17	39	—	—	—	—	—	39	95.00%
71A			45	6	39	—	39	—	1	4	16	21	—	—	—	—	—	21	53.87%
72			139	3	136	—	136	—	2	61	23	104	—	—	—	—	—	104	76.47%
73			124	2	122	—	122	—	14	48	36	98	—	—	—	—	—	98	80.32%
74			26	—	26	—	26	—	—	—	25	25	—	—	—	—	—	25	96.15%
75			94	—	93	1	94	—	8	15	36	59	—	—	—	—	—	59	62.76%
76			44	1	43	—	43	—	—	—	23	23	—	—	—	—	—	23	53.48%

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
77	D.T.C. (Under O.T.E. 184)	85	5	80	—	80	—	—	2	34	33	9	—	—	—	—	—	69	85.25%
78	D.T.C.	34	—	34	—	34	—	—	3	6	9	18	—	—	—	—	—	18	52.94%
79	D.T.T.	23	—	28	—	28	—	—	2	14	5	21	—	—	—	—	—	21	73.00%
80	*I Sem. of F.Y. Dip. (OPF)	5	—	5	—	5	—	—	—	—	4	4	—	—	—	—	—	4	80.00%
81	*II Sem. of F.Y. Dip. (OPF)	40	—	40	—	40	—	—	9	20	5	34	—	—	—	—	—	34	85.00%
82	*I Sem. of S.Y. Dip. (OPF)	4	—	4	—	4	—	—	—	—	2	2	—	—	—	—	—	2	51.00%
83	II Sem. of S.Y. Dip. (OPF)	46	—	46	—	46	—	—	8	33	3	44	—	—	—	—	—	44	95.65%
84	*I Sem. of F.Y. Dip. (OPF)	4	—	4	—	4	—	—	—	—	1	1	—	—	—	—	—	1	25.00%
85	II Sem. of F.Y. Dip. (OPF)	56	—	56	—	56	—	—	24	23	4	51	—	—	—	—	—	51	91.07%
85	*I Sem. of Final Year Dip. (OPF)	1	—	1	—	1	—	—	—	—	1	1	—	—	—	—	—	1	100.00%
87	II Sem. of Final Year Dip. (OPF)	74	—	74	—	74	—	—	48	25	—	74	—	—	—	—	—	74	100.00%
88	*I Sem. of F. Text. (Engg. & Tech.)	37	1	36	—	36	—	—	—	—	8	8	—	—	—	—	—	8	23.53%
89	II Sem. of F. Text. (Engg. & Tech.)	69	1	68	—	68	—	3	3	19	12	37	—	—	—	—	—	37	56.00%
90	*I Sem. of S. Text. (Engg. & Tech.)	22	—	22	—	22	—	—	—	—	13	13	—	—	—	—	—	13	61.90%
91	II Sem. of S. Text. (Engg. & Tech.)	63	1	62	—	62	—	4	1	22	8	35	—	—	—	—	—	35	57.37%
92	T. Text (Engg.)	9	—	9	—	9	—	—	—	—	1	8	—	—	—	—	—	8	88.88%
93	T. Text. (Tech.)	41	—	41	—	41	—	—	3	22	5	30	—	—	—	—	—	30	75.00%
94	B. Text. (Engg.)	9	—	9	—	9	—	—	6	3	—	9	—	—	—	—	—	9	100.00%
95	B. Text. (Tech.)	33	—	33	—	33	—	4	8	16	2	30	—	—	—	—	—	30	91.90%
96	*M Text. — Part I	2	—	2	—	2	—	—	—	—	2	2	—	—	—	—	—	2	100.00%
97	*M. Text. — Part II	2	—	2	—	2	—	—	—	—	2	2	—	—	—	—	—	2	100.00%
98	*M. Text. — Part III	3	—	3	—	3	—	—	—	—	3	3	—	—	—	—	—	3	100.00%
99	M Text. Part IV	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	1	100.00%
100	*I Sem. of B.E. I (CME, Chem., Met.)	83	4	79	—	79	—	—	—	—	38	38	—	—	—	—	—	38	49.35%

* No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
101	II Sem. of B.E. I (CME, Chem., Met.)	380	2	373	5	378	19	59	143	18	239	—	2	1	—	3	242	64.53%	
102	*I Sem. of B.E. II (CME, Chem., Met.)	105	2	103	—	103	—	—	—	60	60	—	—	—	—	—	—	60	58.28%
103	II Sem. of B.E. II (CME, Chem., Met.)	391	3	386	2	388	26	61	156	43	285	—	2	—	2	283	74.23%		
104	*I Sem. of B.E. III (CME, Chem., Met.)	141	—	140	1	141	—	—	—	82	82	—	—	—	—	1	83	59.71%	
105	II Sem. of B.E. III (CME, Chem., Met.)	451	—	449	2	451	34	73	158	74	339	1	—	—	1	2	341	75.94%	
106	*I Sem. of B.E. IV (CME, Chem. Met., Electro.)	77	—	77	—	77	—	—	—	54	54	—	—	—	—	—	—	54	70.12%
107	II Sem. of B.E. IV (CME, Chem. Met., Electro.)	398	—	397	1	398	52	69	172	61	354	—	1	—	1	—	—	355	89.42%
108	*I Sem. of B.E. V (Civil)	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	—	1	100.00%
109	*I Sem. of B.E. V (Mech.)	5	—	5	—	5	—	—	—	5	5	—	—	—	—	—	—	5	100.00%
110	*I Sem. of B.E. V (Elect.)	7	—	7	—	7	—	—	—	5	5	—	—	—	—	—	—	5	71.57%
111	*I Sem. of B.E. V (Chem.)	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	—	1	100.00%
112	*I Sem. of B.E. V (Met.)	5	—	5	—	5	—	—	—	3	3	—	—	—	—	—	—	3	60.00%
113	II Sem. of B.E. V (Civil)	88	—	88	—	88	21	43	24	—	88	—	—	—	—	—	—	88	100.00%
114	II Sem. of B.E. V (Mech.)	73	—	73	—	73	29	26	15	3	73	—	—	—	—	—	—	73	100.00%
115	II Sem. of B.E. V (Elect.)	52	1	51	—	51	12	21	14	1	48	—	—	—	—	—	—	48	91.11%

* No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
116	II Sem. of B.E. V (Chem.)	41	—	—	41	—	41	15	17	8	1	41	—	—	—	—	—	—	41	100.00%
117	II Sem. of B.E. V (Met.)	27	—	—	27	—	27	12	7	5	—	24	—	—	—	—	—	—	24	88.88%
118	II Sem. of B.E. V (Electro.)	31	—	—	31	—	31	12	15	4	—	31	—	—	—	—	—	—	31	100.00%
119	*I Sem. of B.E. I (Electro.)	2	—	—	2	—	2	—	—	—	1	1	—	—	—	—	—	—	1	50.00%
120	II Sem. of B.E. I (Electro.)	19	—	—	19	—	19	1	4	10	1	16	—	—	—	—	—	—	16	84.21%
121	*I Sem. of B.E. II (Electro.)	8	—	—	8	—	8	—	—	—	7	7	—	—	—	—	—	—	7	87.5%
122	II Sem. of B.E. II (Electro.)	26	—	—	25	1	26	4	5	7	4	20	—	—	—	—	—	—	21	80.76%
123	*I Sem. of B.E. III (Electro.)	2	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	—	1	100.00%
124	II Sem. of B.E. III (Electro.)	28	—	—	28	—	28	8	15	4	1	28	—	—	—	—	—	—	28	100.00%
125	*M.E.—Part I (Civil)	5	1	—	4	—	4	—	—	—	3	3	—	—	—	—	—	—	3	75.00%
126	*M.E.—Part I (Mech.)	5	—	—	5	—	5	—	—	—	5	5	—	—	—	—	—	—	5	100.00%
127	*M.E.—Part I (Elect.)	5	—	—	5	—	5	—	—	—	3	3	—	—	—	—	—	—	3	60.00%
128	*M.E.—Part I (Met.)	5	—	—	5	—	5	—	—	—	2	2	—	—	—	—	—	—	2	66.66%
129	*M.E.—Part II (Mech.)	5	2	—	3	—	3	—	—	—	2	2	—	—	—	—	—	—	2	66.66%
130	*M.E.—Part II (Elect.)	2	—	—	2	—	2	—	—	—	1	1	—	—	—	—	—	—	1	50.00%
131	*M.E.—Part III (Civil)	7	—	—	7	—	7	—	—	—	5	5	—	—	—	—	—	—	5	71.43%
132	*M.E.—Part III (Mech.)	5	1	—	4	—	4	—	—	—	3	3	—	—	—	—	—	—	3	75.00%
133	*M.E.—Part III (Elect.)	11	1	—	10	—	10	—	—	—	10	10	—	—	—	—	—	—	10	100.00%
134	*M.E.—Part IV (Civil)	6	—	—	6	—	6	—	—	—	5	5	—	—	—	—	—	—	5	86.66%
135	M.E.—Part IV (Mech.)	6	1	—	5	—	5	—	—	4	1	5	—	—	—	—	—	—	5	100.00%
136	M.E.—Part IV (Elect.)	1	—	—	1	—	1	—	—	1	—	1	—	—	—	—	—	—	1	100.00%
		4	—	—	4	—	4	2	1	1	—	4	—	—	—	—	—	—	4	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				
137	*P.G.Dip. in Ref. & Air Cond.— Part II	1	—	1	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	1	100.00%		
138	*I Sem. of Post-Dip. Dip. in Ref. & Air Cond.	2	—	2	—	—	2	—	—	—	1	1	—	—	—	—	—	—	—	1	50.00%		
139	II Sem. of Post-Dip. Dip. in Ref. & Air Cond.	4	—	4	—	—	4	—	1	2	—	3	—	—	—	—	—	—	—	3	75.00%		
140	*I Sem. of F.Y.B.Arch.	41	1	7	3	10	—	—	—	—	6	6	—	—	—	—	—	—	2	8	80.0%		
141	II Sem. of F.Y.B.Arch.	42	1	27	14	41	—	—	7	8	2	17	—	1	8	1	10	27	65.85%				
142	*I Sem. of S.Y.B.Arch.	14	—	10	4	14	—	—	—	—	6	6	—	—	—	—	—	—	2	8	61.54%		
143	II Sem. of S.Y.B.Arch.	43	—	31	12	43	—	—	3	11	4	18	1	—	4	2	7	25	59.52%				
144	*I Sem. of T.Y.B.Arch.	8	—	7	1	8	—	—	—	—	5	5	—	—	—	—	—	—	1	6	75.00%		
145	II Sem. of T.Y.B.Arch.	40	—	30	10	40	—	—	2	9	7	18	—	—	2	7	1	10	28	70.00%			
146	*I Sem. of Fourth Year B.Arch.	5	—	5	—	—	5	—	—	—	2	2	—	—	—	—	—	—	2	40.00%			
147	II Sem. of Fourth Year B.Arch.	41	—	34	7	41	—	—	2	18	5	25	—	1	3	—	—	—	4	29	70.73%		
148	B.Arch. (New Course)	46	3	32	11	43	2	8	9	2	21	4	—	2	8	—	—	—	10	31	73.81%		
149	*I Sem. of F.Y.B.Pharm.	7	—	6	1	7	—	—	—	—	4	4	—	—	—	—	—	—	1	5	71.43%		
150	II Sem. of F.Y.B.Pharm.	34	—	27	7	34	1	8	12	5	26	1	—	3	1	5	31	91.17%					
151	II Sem. of S.Y.B.Pharm.	28	1	21	7	28	5	15	1	—	4	4	—	—	—	—	—	—	6	27	96.43%		
152	II Sem. of M.Sc. (Applied Physics)	4	—	4	—	—	4	—	—	—	4	4	—	—	—	—	—	—	4	100.00%			
153	IV Sem. of M.Sc. (Applied Physics.)	3	—	3	—	—	3	—	—	—	1	2	—	—	—	—	—	—	3	100.00%			
154	II Sem. of M.Sc. (Applied Maths.)	6	—	6	—	—	6	—	—	—	6	6	—	—	—	—	—	—	6	100.00%			
155	I LL.B. (General)	477	141	297	39	336	—	—	—	—	44	51	95	—	—	—	—	—	9	10	19	114	34.02%
156	II LL.B. (General)	552	142	356	54	410	—	—	4	157	57	218	—	1	22	10	33	251	61.22%				

* No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
157 LL.B. (Special)			80	11	59	10	69	—	—	44	7	51	—	—	9	1	10	61	88.40%
158 *D.T.P.			153	30	107	16	123	2†	—	—	45	47	—	—	—	7	7	54	43.90%
159 *D.L.P.			52	7	41	4	45	—	—	—	17	17	—	—	—	1	1	18	40.00%
160 *LL.M.—Part I			28	9	14	5	19	—	—	—	5	5	—	—	—	3	3	8	42.10%
161 LL.M.—Part II			13	2	10	1	11	—	—	1	—	2	—	—	—	—	—	3	27.27%
162 LL.M. (Old Course)			10	3	6	1	7	—	—	2	—	2	—	—	—	—	—	2	28.57%
163 B.A. (Fine)—Painting			4	—	2	2	4	—	2	—	—	2	1	—	—	1	2	4	100.00%
164 B.A. (Fine)—Applied Arts			7	2	1	4	5	—	—	—	1	1	—	2	—	1	8	4	80.00%
165 M.A. (Fine)—Painting			1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	100.00%
166 M.A. (Fine)—Sculpture			2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	100.00%
167 M.A. (Fine)—Art Graphic			2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	100.00%
168 M.A. (Fine)—Art Criticism			3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	100.00%
169 Post-Dip. in Fine Arts—Sculpture			1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	100.00%
170 Post-Dip. in Fine Arts—Applied Arts			1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	100.00%
171 Post-Dip. in Fine Arts—Graphic Arts			3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	100.00%
172 Diplomas in Fine Arts			19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17	89.47%
173 B.Mus.			16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	100.00%
174 M.Mus.			8	1	4	3	7	—	—	2	—	4	1	—	—	—	—	17	75.00%
175 Dip. in Music			34	3	19	12	31	—	—	4	6	5	15	—	—	3	6	21	67.42%
176 Dip. in Dance			11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	7	63.63%
177 Dip. in Dramatics			7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6	85.72%
178 *P.G. Dip. in Museology			2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	50.00%

* No Class is awarded.

† Passed with Distinction.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
179 *B.Sc. (Home)			117	—	—	117	117	—	—	—	—	—	—	—	—	—	—	—	19		
180 *M.Sc. (Home)			30	2	1	27	28	—	—	—	—	—	—	—	—	—	—	—	80.48%		
181 *P.G. Dip. in Dietetics			22	8	—	14	14	—	—	£1	—	1	—	—	—	—	—	27	28	100.00%	
182 *P.G. Dip. in Pre-School Edu.			17	—	—	17	17	—	—	—	—	—	—	—	—	—	—	12	12	85.71%	
183 *M.S.W.			25	—	—	13	12	25	—	—	—	—	—	—	—	—	—	14	14	82.35%	
184 *Ph.D. (Arts)			1	—	—	—	—	—	—	—	13	13	—	—	—	—	—	12	12	25	100.00%
185 *Ph.D. (Science)			9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
186 *Ph.D. (Edu. & Psy.)			6	—	—	3	3	6	—	—	—	—	—	—	—	—	—	3	3	9	—
187 *Ph.D. (Medicine)			1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	3	6	—

* No Class is awarded.

from 1-4-75 to 30-9-75.

@ Passes 'A' Grade.

£ Passes 'B' Grade

+ Passes 'C' Grade.

Ph.D. Thesis information given

Sr. No.	Examination	Number appeared																			Grand Total	Percentage of passes
		Men									Women											
		No. Regd.	No. Absent	Men	Women	Total	I Class Dist.	I Class	II Class	Pass Class	Total	I Class Dist.	I Class	II Class	Pass Class	Total						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19				
		436	28	271	137	408			4	113	117			2	65	67	184		45.66%			
		682	55	451	176	627			2	71	73			1	86	87	160		39.90%			
*3		422	67	268	87	355				103	103				43	43	146		43.01%			
4		97	14	61	22	83			4	34	38			1	10	11	49		59.03%			
*5		32	4	15	13	28				12	12				8	8	20		71.42%			
6		7	2	3	2	5			1		1				2	2	3		60.00%			
7		261	18	193	50	243		7	57	38	102		2	13	9	24	126		52.26%			
8		262	8	218	36	254			3	68	71				19	19	90		36.59%			
*9		193	17	157	19	176				61	61				7	7	68		38.86%			
10		67	5	51	11	62			6	15	21				9	9	30		49.18%			
*11		20	5	14	1	15				11	11				1	1	12		80.00%			
12		6		3	3	6				3	3				2	3	6		100.00%			
13		306	8	226	72	298			12	124	136			1	49	50	186		62.48%			
14		591	37	430	124	554			3	151	154				73	73	227		41.05%			
*15		404	40	305	59	364				155	155				33	33	188		51.65%			
*16		6	3	3		3													00.00%			
*17		14	1	13		13					8						8		61.54%			
17A		126	34	74	15	92		1	6	22	29		2		7	9	29		41.21%			

* No Class is awarded.

Sr. No.	Examination	Number appeared																			Grand Total	Percentage of passes
		Men									Women											
		No. Regd.	No. Absent	Men	Women	Total	I Class Dist.	I Class	II Class	Pass Class	Total	I Class Dist.	I Class	II Class	Pass Class	Total						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19				
*18		56	18	36	2	38				27	27				2	2	29		76.32%			
19		9	2	7		7			5	2	7						7		100.00%			
*20		8	3		5	5										4	4		80.00%			
*21		6		5	1	6					2					1	3		50.00%			
*22		2		1	1	2													00.00%			
*23		7		1	6	7										5	5		71.43%			
*24		2		1	1	2													00.00%			
*25		4		1	3	4										2	2		50.00%			
*26		1		1		1					1						1		100.00%			
*27		2		2		2					2						2		100.00%			
*28		5	1	4		4					1			2			1		25.00%			
*29		3		3		3					1						1		33.33%			
*30		1		1		1											1		100.00%			
*31		5	1	1		1					1						1		100.00%			
*32		8		6	2	8					3					2	5		100.00%			
*33		17	2	8	7	15					4					2	6		75.00%			
*34		4		4		4					3					6	11		73.33%			
*35		3	1	2		2					1						3		75.00%			
*36		1		1		1											1		50.00%			
*37		1		1		1					1						1		00.00%			
*38		1		1		1					1						1		100.00%			
*39		5	1	1	3	4					1						4		100.00%			
*40		158	3	127	28	155					78					20	98		63.23%			
*41		59	1	50	8	58					33					8	41		70.69%			
*42		144	2	120	22	142					92					15	107		75.33%			
*43		4		3	1	4					2					1	3		75.00%			
*44		167	5	162		162				62	62						62		38.27%			

* No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
45			153	5	148	—	148	—	—	—	60	60	—	—	—	—	—	60	40.54%
46			32	3	29	—	29	—	—	6	11	17	—	—	—	—	—	17	58.62%
47			24	2	22	—	22	—	—	1	7	8	—	—	—	—	—	8	36.36%
48			24	5	18	1	19	—	1	2	1	4	—	—	—	—	—	4	21.05%
*49			14	2	12	—	12	—	—	—	—	4	—	—	—	—	—	4	33.33%
50			14	2	12	—	12	—	—	—	—	4	—	—	—	—	—	4	33.33%
*51			11	1	10	—	10	—	—	2	5	7	—	—	—	—	—	7	70.00%
52			6	1	5	—	5	—	—	—	2	2	—	—	—	—	—	2	40.00%
*53			133	11	122	—	122	—	—	—	30	30	—	—	—	—	—	30	24.59%
54			15	—	15	—	15	—	—	—	1	1	—	—	—	—	—	1	06.65%
*55			15	1	14	—	14	—	—	—	8	8	—	—	—	—	—	8	57.14%
56			2	—	2	—	2	—	—	—	1	1	—	—	—	—	—	1	50.00%
*57A			1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100.00%
*58B			1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100.00%
59			36	7	29	—	29	—	—	—	22	22	—	—	—	—	—	22	75.86%
60			6	4	2	—	2	—	—	—	1	1	—	—	—	—	—	1	50.00%
*61			48	13	35	—	35	—	—	—	11	11	—	—	—	—	—	11	3.43%
62			21	10	11	—	11	—	—	—	5	5	—	—	—	—	—	5	45.45%
*63			43	1	42	—	42	—	—	—	31	31	—	—	—	—	—	31	73.82%
*64			2	1	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100.00%
65			36	2	34	—	34	—	—	—	33	33	—	—	—	—	—	33	99.43%
*66			47	2	45	—	45	—	—	—	42	42	—	—	—	—	—	42	93.33%
*67			4	1	3	—	3	—	—	—	3	3	—	—	—	—	—	3	100.00%
68			55	—	55	—	55	—	—	—	54	54	—	—	—	—	—	54	99.65%
*69			107	—	106	1	107	—	—	—	61	61	—	—	—	—	—	62	57.84%
70			20	—	20	—	20	—	—	—	6	6	—	—	—	—	—	6	30.00%

* No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
*71			57	1	56	—	56	—	—	—	38	38	—	—	—	—	—	38	67.85%	
*72			24	1	23	—	23	—	—	—	9	9	—	—	—	—	—	9	39.13%	
73			7	—	7	—	7	—	—	—	7	7	—	—	—	—	—	7	100.00%	
74			39	1	38	—	38	—	—	—	31	31	—	—	—	—	—	31	81.57%	
75			1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00.10%	
*76			9	—	9	—	9	—	—	—	5	5	—	—	—	—	—	5	55.55%	
*77			3	—	3	—	3	—	—	—	1	1	—	—	—	—	—	1	33.33%	
78			1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100.00%	
79			1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100.00%	
*80			404	2	396	6	402	—	—	—	—	270	—	—	—	—	—	5	275	68.40%
*81			120	5	115	—	115	—	—	—	—	60	—	—	—	—	—	60	52.17%	
*82			355	3	348	4	352	—	—	—	—	260	—	—	—	—	—	2	262	74.44%
83			80	2	78	—	78	—	—	—	—	38	—	—	—	—	—	38	49.35%	
*84			392	—	392	—	392	—	—	—	—	307	—	—	—	—	—	1	307	78.30%
*85			91	1	90	—	90	—	—	—	—	54	—	—	—	—	—	54	60.00%	
*86			425	2	421	2	423	—	—	—	—	352	—	—	—	—	—	1	353	83.45%
87			33	—	33	—	33	—	—	—	—	20	—	—	—	—	—	20	60.60%	
*88			125	6	118	1	119	—	—	—	—	115	—	—	—	—	—	1	115	97.51%
*89			101	1	100	—	100	—	—	—	—	100	—	—	—	—	—	—	100	100.00%
*90			63	2	61	—	61	—	—	—	—	55	—	—	—	—	—	55	90.18%	
*91			46	1	45	—	45	—	—	—	—	45	—	—	—	—	—	45	100.00%	
*92			24	—	24	—	24	—	—	—	—	22	—	—	—	—	—	22	91.66%	

* No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
*93	I Sem. of B.E. V (Electro.)	25	1	24	—	24	—	—	—	—	—	24	—	—	—	—	—	24	100.00%	
94	II Sem. of B.E. V (Elect)	5	—	5	—	5	—	—	—	3	—	3	—	—	—	—	—	3	60.00%	
95	II Sem. of B.E. V (Met.)	2	1	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	00.00%	
96	B.Tech. (5½ Yrs.)	10	1	9	—	9	2	6	1	—	—	9	—	—	—	—	—	9	100.00%	
*97	I Sem. of B.E. I (Electro.)	21	—	19	2	21	—	—	—	—	14	14	—	—	2	2	16	76.19%		
98	II Sem. of B.E. I (Electro.)	3	—	3	—	3	—	—	—	2	—	2	—	—	—	—	—	2	66.66%	
*99	I Sem. of B.E. II (Electro.)	19	—	19	—	19	—	—	—	—	18	18	—	—	—	—	—	18	94.74%	
100	II Sem. of B.E. II (Electro.)	5	—	5	—	5	—	—	—	—	3	3	—	—	—	—	—	3	60.00%	
*101	I Sem. of B.E. III (Electro.)	23	—	22	1	23	—	—	—	—	21	21	—	—	1	1	22	95.65%		
*102	M.E. (Civil)—Part I	1	—	1	—	1	—	—	—	—	1	1	—	—	—	—	—	1	100.00%	
*103	M.E. (Elect.)—Part I	2	—	2	—	2	—	—	—	—	1	1	—	—	—	—	—	1	50.00%	
*104	M.E. (Met.)—Part I	3	—	3	—	3	—	—	—	—	2	2	—	—	—	—	—	2	66.66%	
*105	M.E. (Civil.)—Part II	4	—	4	—	4	—	—	—	—	4	4	—	—	—	—	—	4	100.00%	
*106	M.E. (Mech.)—Part II	7	—	7	—	7	—	—	—	—	7	7	—	—	—	—	—	7	100.00%	
*107	M.E. (Elect.)—Part II	4	—	4	—	4	—	—	—	—	3	3	—	—	—	—	—	3	75.00%	
*108	M.E. (Met.)—Part II	5	—	5	—	5	—	—	—	—	5	5	—	—	—	—	—	5	100.00%	
*109	M.E. (Civil)—Part III	1	—	1	—	1	—	—	—	—	1	1	—	—	—	—	—	1	100.00%	
*110	M.E. (Mech.)—Part III	1	—	1	—	1	—	—	—	—	1	1	—	—	—	—	—	1	100.00%	
*111	M.E. (Elect.)—Part III	1	—	1	—	1	—	—	—	—	1	1	—	—	—	—	—	1	100.00%	
112	M.E. (Civil)—Part IV	4	—	4	—	4	—	2	2	—	—	—	—	—	—	—	—	4	100.00%	
113	M.E. (Mech.)—Part IV	4	1	3	—	3	—	3	—	—	—	—	—	—	—	—	—	3	100.00%	
114	M.E. (Elect.)—Part IV	4	—	4	—	4	—	4	—	—	—	—	—	—	—	—	—	4	100.00%	
*115	I Sem. of P.D. Dip. in Ref. & Air Cond.	6	—	6	—	6	—	—	—	—	5	5	—	—	—	—	—	5	83.33%	
116	II Sem. of P.D. Dip. in Ref. & Air Cond.	1	—	1	—	1	—	—	—	—	—	1	—	—	—	—	—	—	1	100.00%
*117	I Sem. of M.Sc. (Applied Physics)	5	—	5	—	5	—	—	—	—	4	4	—	—	—	—	—	4	80.00%	
*118	III Sem. of M.Sc. (Applied Physics)	4	—	4	—	4	—	—	—	—	4	4	—	—	—	—	—	4	100.00%	
*119	I Sem. of M.Sc. (Applied Maths.)	5	—	4	1	5	—	—	—	—	4	4	—	—	1	1	—	5	100.00%	
*120	III Sem. of M.Sc. (Applied Maths.)	6	—	6	—	6	—	—	—	—	6	6	—	—	—	—	—	6	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		
*121	I Sem. of F.Y. B.Pharm.	33	—	26	7	33	—	—	—	—	25	25	—	—	—	5	5	31	93.93%		
122	II Sem. of F.Y. B.Pharm	2	—	2	—	2	—	—	—	—	2	2	—	—	—	—	—	—	2	100.00%	
*123	I Sem. of S.Y. B.Pharm.	32	—	26	6	32	—	—	—	—	26	26	—	—	—	6	6	32	100.00%		
124	II Sem. of S.Y. B.Pharm	1	—	—	1	1	—	—	—	—	—	—	—	—	—	1	1	1	100.00%		
*125	I Sem. of T.Y. B.Pharm	27	1	20	6	26	—	—	—	—	20	20	—	—	—	6	6	26	100.00%		
*126	I Sem. of F.Y. B.Arch.	37	—	26	11	37	—	—	—	—	21	21	—	—	—	8	8	29	78.37%		
127	II Sem. of F.Y. B.Arch.	11	—	9	2	11	—	—	—	—	6	6	—	—	—	2	2	8	72.73%		
*128	I Sem. of S.Y. B.Arch.	41	1	26	14	40	—	—	—	—	15	15	—	—	—	12	12	27	67.05%		
129	II Sem. of S.Y. B.Arch.	16	—	12	4	16	—	—	—	—	6	6	—	—	—	2	2	8	50.00%		
*130	I Sem. of T.Y. B.Arch.	40	—	30	10	40	—	—	—	—	22	22	—	—	—	8	8	30	75.00%		
131	II Sem. of T.Y. B.Arch.	11	—	9	2	11	—	—	—	—	4	4	—	—	—	2	2	6	54.55%		
*132	I Sem. of IV year B. Arch.	37	2	24	11	35	—	—	—	—	19	19	—	—	—	10	10	29	82.85%		
133	II Sem. of IV Year B.Arch.	11	—	7	4	11	—	—	—	—	6	6	—	—	—	1	1	7	63.63%		
*134	I Sem. of V Year B.Arch. (M.C.)	39	—	32	7	39	—	—	—	—	31	31	—	—	—	7	7	38	97.44%		
135	B.Arch. (O.C.)	16	2	14	—	14	—	—	—	—	9	12	—	—	—	—	—	12	85.71%		
136	First LL.B (General)	207	75	119	13	132	—	—	—	1	5	27	33	—	2	6	8	41	31.06%		
137	Second LL.B. (General)	181	59	108	14	122	—	—	—	—	17	19	36	—	2	3	5	41	33.61%		
138	LL. B. (Special)	10	1	9	—	9	—	—	—	—	1	2	5	—	—	—	—	5	55.55%		
*139	P.G. Diploma in Labour Laws	16	6	9	1	10	—	—	—	—	—	—	3	—	—	—	—	3	30.00%		
*140	P.G. Diploma in Taxation Laws	23	12	11	—	11	—	—	—	—	4	4	—	—	—	—	—	4	36.37%		
*141	LL.M. (Part I)	9	2	7	—	7	—	—	—	—	—	—	4	—	—	—	—	4	57.14%		
142	LL.M. (Part II)	7	1	5	1	6	—	—	—	—	2	—	—	—	—	—	—	1	4	66.66%	
143	LL.M. (O.C.)	6	2	4	—	4	—	—	—	—	—	—	—	—	—	—	—	—	1	25.00%	
*144	M.Sc. (Home)	10	2	8	—	8	—	—	—	—	—	—	—	—	—	—	—	8	100.00%		
*145	B.Sc. (Home)	13	—	—	12	12	—	—	—	—	—	—	—	—	—	—	—	—	8	75.00%	
*146	P.G. Dip. in Dietetics	9	—	—	8	8	—	—	—	—	—	—	—	—	—	—	—	—	8	100.00%	
*147	M.S.W.	3	—	2	1	3	—	—	—	—	—	—	—	—	—	—	—	—	3	100.00%	
*148	P.G. Diploma in Industrial Relation & Personnel Management	15	—	15	—	15	—	—	—	—	—	—	—	—	—	—	—	—	15	100.00%	
*149	Ph.D. (Arts)	7	—	3	4	7	—	—	—	—	—	—	—	—	—	—	—	4	7	—	
*150	Ph.D. (Science)	5	—	3	2	5	—	—	—	—	—	—	—	—	—	—	—	—	2	5	—
*151	Ph.D. (Edu. & Psy.)	11	—	6	5	11	—	—	—	—	—	—	—	—	—	—	—	—	5	11	—

* No Class is awarded.

† Passed with A Grade.

‡ Passed with B Grade.

§ Passed with C Grade.

CAPITAL ACCOUNTS

Appendix VIII

I—University General Fund

(Subject to Audit)

1975-76

Receipts		Payments	
Rs.	P.	Rs.	P.
Opening Balance as on 1-4-1975	11,88,290-36	Building Works	6,57,689-31
Interest	95,799-70	Advance to Press	—
Grant from Sir Sayajirao Diamond Jubilee and Memorial Trust, Baroda	3,50,000-00	Purchase of Furniture, Equipment etc.	—
		Loss on Sale of Securities	—
		Closing Balance	9,76,400-75
Total	16,34,090-06	Total	16,34,090-06

xxx

II—Ayurvedic Research Fund

(Subject to Audit)

1975-76

Receipts		Payments	
Rs.	P.	Rs.	P.
Opening Balance as on 1-4-1975	10,32,400-70	Amount transferred towards the excess recurring expenditure over the State Government Grant for Sheth-U.P.A.R. Unit	35,770-54
Interest	95,372-58	Loss on Sale of Securities	306-40
		Closing Balance	10,91,696-34
Total	11,27,773-28	Total	11,27,773-28

xxvii

III—Post-graduate Instruction and Research Fund

(Subject to Audit)

1975-76

Receipts	Rs. P.	Payments	Rs. P.
Opening Balance as on 1-4-1975	35,74,891-50	(i) Expenditure on Research Schemes (including Research Assistants)	54,953-20
Interest	3,28,740-59	(ii) Two Post-Doctoral Fellowships @ Rs. 400/- p.m. each and Contingent Grant @ Rs. 1,000/- p.a. each	2,860-10
Gain on Sale of Securities	449-00	(iii) 12 Scholarships of Rs. 250/- p.m. each and Contingent Grant of Rs. 500/- p.a. per scholar	21,943-31
		(iv) Amount transferred towards the expenditure on Nine Post-graduate Courses in Technology & Engineering	32,608-50
		(v) Closing Balance	37,91,715-98
Total	39,04,081-09	Total	39,04,081-09

xxviii

Appendix IX

REVENUE ACCOUNTS

(Subject to Audit)
1975-76

Sr. No.	Particulars	Receipts Rs. P.	Sr. No.	Particulars	Disbursements Rs. P.
1	2	3	1	2	3
I	(A) Grants from the State Government (1 to 2)	1,94,14,758-91	I	Administration	8,54,606-97
	(1) Block Grant from the State Government	91,73,000-00	II	Examination Charges (1 to 13)	12,20,223-36
	(2) Additional Block Grants from the State Government	1,02,31,758-91	III	Publications	62,473-55
	(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		IV	Remuneration to Lecturers	—
	(b) 100% Grant towards the additional Expenditure on the increase in the rates of Dearness Allowance, House Rent Allowance and Compensatory Local Allowance during the currency of the Triennium	8,00,000-00	V	Travelling Allowance	49,476-72
			VI	Printing, Stationery and Postages	1,21,517-90
			VII	Interest on Bank Overdraft and Loans and Repayment of Loans	12,49,131-94
			VIII	Maintenance of Buildings and Roads (including Residential Quarters and N.C.C. Buildings)	3,69,596-24
			IX	Maintenance of Gardens	67,198-64
			X	Games, Sports and Students' Welfare and Other Activities	6,91,643-85
			XI	Miscellaneous (A, B and C)	2,05,086-18
			(A)	Memberships and Contributions	17,434-52
			(B)	Office Equipment	13,845-78
			(C)	Other Items	1,73,805-88
		24,93,793-00			

kix

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.				1,85,23,813-11
(d)	Towards Payment of Interim Relief to the Non-Teaching Staff of the University	15,21,462-00			19,51,240-35 41,02,230-85
(e)	Towards filling up of Vacant Posts (Subject to State Government Approval)	3,63,960-00			10,38,524-55 8,76,328-62
(f)	Towards Payment of unmerged Dearness Allowance to the University Teachers getting IVth Plan Scales	—			42,15,409-87 2,35,479-51 7,64,833-69 10,55,126-40 3,60,025-36
(g)	Towards Payment of Arrears for the period from 1-4-1966 to 31-3-1974 of unmerged Dearness Allowance to the University Teachers getting IV Plan Scales	5,98,400-00			2,26,730-44 6,88,654-55
(B)	Grants from the University Grants Commission towards the Grants Commission Unit in the University	44,51,143-91			1,00,060-11 81,027-06 1,48,917-73
		10,000-00			5,67,270-75

xxx

1	2	3	1	2	3
II	Fees from Students (A + B + C)	73,62,970-56			19,99,935-86
(A)	Academic :				
(i)	Tuition Fees and Miscellaneous Income from Faculties and Institutions	56,48,962-47			1,12,017-41 8,62,178-00 29,406-43 10,12,831-23
	Faculties :				
(a)	Faculty of Arts	9,34,797-55			6,70,977-50 3,08,054-57
(b)	Faculty of Science	10,12,049-57			33,799-16 13,95,705-74
(c)	Faculty of Education and Psychology	1,98,872-10			67,469-94
(d)	Faculty of Commerce	10,88,580-00			6,70,977-50
(e)	Faculty of Technology and Engineering	9,67,055-05			3,08,054-57
(f)	Faculty of Law	2,61,023-00			33,799-16
(g)	Faculty of Fine Arts	69,781-50			13,95,705-74
(h)	Faculty of Home Science	3,58,929-35			67,469-94
(i)	Faculty of Social Work	57,480-55			67,469-94
	Institutions :				
(j)	College of Indian Music, Dance and Dramatics				11,52,610-49
(k)	Sanskrit Mahavidyalaya	60,338-10			
(l)	Shri M. K. Amin Arts & Science College & College of Commerce Padra	124-10			44,54,143-91

xxxii

2,90,741-60

- (m) Polytechnic (Diploma courses in Civil, Mechanical and Electrical Engineering and Model Diploma courses in Petrochemicals)
- (n) Extended Diploma courses in Civil, Mechanical and Electrical Engineering
- (ii) Fees for Enrolment etc.:
- (a) For Enrolment Certificates
- (b) For Post-graduate Registration
- (B) Examination Fees
- (C) Other Fees
- III Income from Halls of Residence for students
- IV Income from Buildings, Lands and Other Properties
- V Health Services—University Health Centre
- VI University Auxilliary Services
- (a + b + c)
- (a) Income from M. S. University of Baroda Press (Sadhana Press)
- (b) Income from M. S. University Stationery Unit
- (c) Income from Publications

38,306-00

45,570-00

4,145-00

12,75,447-63

4,38,560-46

5,93,395-75

3,36,722-17

12,794-07

10,07,047-39

6,15,224-46

3,04,731-67

87,091-26

- VII Miscellaneous Receipts
- VIII Sheth U.P. Ayurvedic Research Unit
- (1) State Government Grant
- (2) Income from Out-patient Ward
- (3) Excess Recurring Expenditure met from Ayurvedic Research Fund
- IX Transfer from Insurance Fund towards payment of Insurance Premium on insurance of Buildings Equipments, Books etc.

1,82,321-77

67,469-94

30,000-00

1,699-40

35,770-54

2,61,485-27

Total : Receipts: Rs. 2,92,38,965-83

ADD : Excess of Disbursements OVER RECEIPTS i.e. DEFICIT

31,50,139-37

GRAND TOTAL: Rs. 3,23,89,105-20

THE MAHARAJA SAYAJIRAO
Statement of student 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
Prep. Science	19	30	26	20	21	17	12
Prep. Arts.	1	—	3	3	2	3	5
Prep. Com.	—	—	—	—	—	—	—
Arts.	1	3	1	5	18	6	13
Commerce	8	16	15	11	24	19	13
Science	29	23	38	20	13	33	22
Edn. Psy.	—	—	—	1	2	—	9
Tech. Engg.	88	106	82	98	113	85	57
Polytechnic	6	6	5	17	13	6	5
Medicine	16	3	11	10	16	29	13
Social Work	—	—	—	—	—	—	—
Fine Arts	6	1	5	6	5	2	4
Music	—	3	—	—	—	—	—
Law	2	2	3	2	3	2	3
Home Science	—	—	—	—	—	—	—
Total :	176	193	189	193	235	202	156

UNIVERSITY OF BARODA

during 1975-76

Shri Nusservanji Vakil Hall	Shri Rabindranath Tagore Hall	Shri M. Vishvesaraya Hall	Siddharaj Jaysinh Hall	Shri Dadabhai Naoroji Hall	V. S. Hall	Boys Total	Smt. Sarojini Devi Hall	Smt. Hansa Mehta Hall	Pandita Gargi Hall	Kasturba Gandhi Hall	Girls Total	Grand Total
11	45	22	28	—	—	251	4	9	12	5	30	281
1	5	9	12	—	—	44	2	9	11	3	25	69
—	—	—	—	—	—	—	—	—	—	—	—	—
16	7	16	2	8	17	113	22	19	23	11	75	188
35	28	19	29	14	2	233	13	9	10	6	38	271
22	31	28	32	12	62	365	35	30	30	7	102	467
2	1	21	3	1	9	49	15	13	12	1	41	90
50	141	104	126	9	25	1084	5	10	5	—	20	1104
20	41	51	64	2	—	241	—	—	—	—	—	241
8	21	10	11	—	3	151	26	15	8	5	54	205
3	4	—	5	4	8	24	5	—	6	1	12	36
3	3	13	10	1	8	67	17	13	14	6	50	117
—	1	1	4	1	3	13	4	—	5	4	13	26
—	5	1	6	9	3	41	4	6	3	—	13	54
							103	70	86	39	298	298
171	333	295	332	61	140	2676	255	203	225	88	771	3447

Grants for Development and Research Schemes—1975-76

Sr. No.	Name of the Agency	Grant Rs.
1.	University Grants Commission	41,91,874-52
2.	Ministry of Education, Government of India	5,24,750-76
3.	Council of Scientific and Industrial Research	76,067-05
4.	Indian Council of Social Science Research	38,564-09
5.	Government of Gujarat (Matching Grant)	9,15,142-29
6.	Government of Gujarat (Research and Other Schemes)	1,20,814-00
7.	United States Departments of Agriculture (AM-PL-480 Programmes)	3,38,571-12
8.	Grant from Government of India, Department of Atomic Energy	9,320-00
9.	Inter University Board of India and Ceylon	6,000-00
10.	Director General, Archaeological Survey of India	15,000-00
11.	Gujarat Electricity Board	26-80
12.	Central Social Welfare Board	3,02,500-00
13.	Baroda District Marginal Farmers' and Agricultural Labour Development Agency, Baroda	15,709-60
14.	National Council of Educational Research and Training	21,600-00
15.	Indian Council of Agricultural Research	8,000-00
16.	Family Planning Foundation	5,000-00
Total		65,88,940-23

NOT TO BE ISSUED

