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M.S. University of Baroda

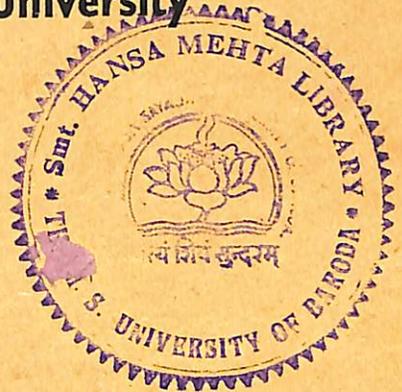
Twenty Sixth
Annual Report

1974-75

ANNEXURE 6
Enclosure To Senate, Item No. 7

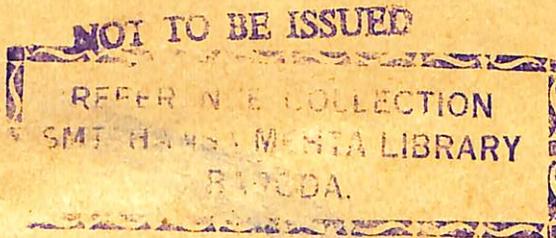
Senate, 26 OCT 1975

The Maharaja Sayajirao University
of Baroda



TWENTY-SIXTH ANNUAL REPORT

1974-75



BARODA



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His Highness the Maharaja Sir Sayajirao Gaekwad of Baroda

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA



TWENTY-SIXTH ANNUAL REPORT, 1974-75

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 in the decades following. The teaching unitary University started on 30th April, 1949 with the following institutions;

- (a) Constituent Institutions under the management of the University:
1. The Baroda Arts and Science College,
 2. The Pratapsinh College of Commerce and Economics,
 3. The Secondary Teachers' Training College,
 4. The Kalabhavan and the Engineering College,
 5. The Music College,
 6. The Oriental Institute.
- (b) Constituent College under the management of the Government of Bombay:
7. The Baroda Medical College.
- (c) Constituent recognised Institutions under the management of the Government of Bombay:
8. The Baroda Museum and Picture Gallery,
 9. The Baroda Sanskrit Mahavidyalaya.

By June 1950 these institutions were reorganized into the six Faculties of Arts, Science, Education and Psychology, Medicine, Commerce and Technology and Engineering and three new Faculties of Fine Arts, Home Science and Social Work were also established. In 1951 the Baroda Sanskrit Mahavidyalaya and the Gujarati Section of the old Baroda High School were taken over from the Government of Bombay. To day the University has the following Faculties

and Institutions under it—Faculties of Arts, Science, Education and Psychology, Medicine, Commerce, Technology and Engineering, Fine Arts with the College of Indian Music, Dance and Dramatics, Home Science, Social Work, Law, The Oriental Institute, Polytechnic, Sanskrit Mahavidyalaya 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 including 131 postgraduate students on its roll. In 1974-75 it has 25,526 which include 1786 non-university students. The following table gives student enrolment figures from the year 1950-51 to 1974-75.

Year	Total enrolment	Percentage increase/decrease
1950-51	2405	—
1951-52	3398	41.2
1952-53	3992	17.5
1953-54	4585	14.9
1954-55	5600	22.1
1955-56	4883	-22.4
1956-57	4968	1.4
1957-58	5785	16.5
1958-59	6853	18.5
1959-60	7726	12.7
1960-61	8214	6.3
1961-62	8974	9.2
1962-63	10134	12.9
1963-64	10315	1.6
1964-65	10954	6.2
1965-66	11629	6.1
1966-67	13223	12.1
1967-68	14235	7.1
1968-69	14396	1.1
1969-70	15311	5.9
1970-71	15930	3.9
1971-72	16590	4.0
1972-73	17986	7.8
1973-74	18551	3.1
1974-75	23740	27.9

The unusual rise in enrolment for 1974-75 was due to mass promotion to higher classes.

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 1974-75.

	1950-51		1960-61		1970-71		1974-75	
	Men %	Women %						
Arts	72.1	27.9	65.7	34.3	47.5	62.5	61.9	38.1
Science	—	—	87.5	12.5	72.2	27.8	73.2	26.8
Education and Psychology	87.2	12.8	63.0	37.0	30.7	60.3	30.5	60.5
Commerce	—	—	82.6	17.4	82.6	17.4	76.3	23.7
Medicine	89.8	10.2	82.6	17.4	84.0	16.0	85.8	14.2
Technology and Engineering	99.5	0.4	99.0	1.0	97.7	2.3	97.2	2.8
Fine Arts	—	—	83.6	16.4	73.0	27.0	73.2	26.8
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	67.8	32.2
Law	—	—	—	—	89.5	10.5	88.9	11.1
College of Indian Music, Dance and Dramatics	80.0	20.0	63.3	36.7	44.1	55.9	48.5	51.5
Baroda Sanskrit Mahavidyalaya	—	—	85.7	14.3	80.0	20.0	85.0	15.0
Preparatory Units	—	—	80.7	19.3	75.2	24.8	72.0	28.0
Polytechnic	—	—	99.6	0.4	99.4	0.6	99.7	0.3
Shri M. K. Amin Arts & Science College and College of Commerce, Padra	—	—	—	—	90.8	9.2	88.0	12.0

Student Enrolment in Post-graduate Courses has shown a steady rise from 1950-51. It was 304 to start with and reached 2,390 in 1974-75. The number of men students between 1950-51 and 1974-75 rose by 1,441 and of women students by 645.

Growth of Enrolment in Degree Courses: In 1950-51 there were 2,161 undergraduate students in the different faculties and institutions of the University. The figure for 1974-75 is 18,688.

Percentage of Student Enrolment

Faculty	1970-71	1971-72	1972-73	1973-74	1974-75
Arts	12.2	12.9	12.2	12.3	14.7
Science	9.9	9.5	9.0	8.7	8.5
Education and Psychology	2.8	2.7	2.5	2.5	1.8
Commerce	14.7	14.7	15.4	16.0	17.4
Medicine	4.7	4.6	4.4	4.2	3.7
Technology and Engineering	17.1	15.8	14.5	14.4	12.7
Fine Arts	1.3	1.3	1.3	1.3	1.2
Home Science	4.3	4.7	4.6	3.8	3.5
Social Work	0.5	0.6	0.5	0.5	0.4
Law	3.9	4.5	4.9	5.8	8.2
Preparatory Unit—Arts & Commerce	9.3	9.4	8.8	8.6	9.0
Preparatory Unit—Science	6.9	6.4	5.4	5.8	5.0
M. K. Amin Arts and Science College and College of Commerce, Padra	4.1	4.8	8.1	7.4	4.6
College of Indian Music, Dance and Dramatics	0.4	0.5	0.5	0.5	0.4
Sanskrit Mahavidyalaya	0.3	0.3	0.3	0.3	0.3
Polytechnic	7.7	7.3	7.2	7.9	8.6
	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 1,037 (including 128 teachers of the Medical College) as against the total student enrolment of 23,740. This gives an over-all teacher-student ratio of 1:22.9. The corresponding 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
1970-71	887	15,930	1:17.9
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

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 12 Halls for men and 4 for women students. There were 2,545 men students and 800 women students in different halls. The percentage of students residing in the University hostels works out to 14.1. The corresponding figures for the five years are as under:

Year	Students residing in Hostels			Percentage of Resident Students to the Total Enrolment		
	Men	Women	Total	Men	Women	Total
1970-71	2,225	818	3,043	14.0	5.1	19.1
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

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

Year	No. of Cases Treated				Total Cases	Daily average attendance
	Staff and their families	%	Students	%		
1970-71	11,866	37.7	19,543	62.3	31,409	86.0
1971-72	10,764	33.1	21,807	66.9	32,571	90.2
1972-73	10,638	32.5	22,115	67.5	32,753	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

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.

Developments

During the year under report, 4 new courses viz. Diploma in Military Science, M.Sc. in Applied Physics, M.Sc. in Applied Mathematics and Diploma in Industrial Relations and Personnel Management were started.

The development activities during the preceding years are described in the twenty-five Annual Reports that have been published so far. This the twenty-sixth Annual Report covers the period from 1st April, 1974 to 31st March, 1975 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 23,740 (18,159 men students and 5,581 women students) and that of non-University students was 1,786 (1,125 men students and 661 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-fourth Annual Convocation was held on 7th December, 1974. Shri Fatehsinhrao P. Gaekwad, Chancellor presided over the Convocation. His Excellency Shri K. K. Viswanathan, Governor of Gujarat, delivered the Convocation Address. 3,506 Degrees and Diplomas were conferred.
- (ii) The fifteenth Supplementary Convocation was held on 23rd March, 1975. The Vice-Chancellor presided over the Convocation, at which 464 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) Diploma in Military Science in the Faculty of Science.

- (ii) M.Sc. (Applied Mathematics) and
- (iii) M.Sc. (Applied Physics) in the Faculty of Technology and Engineering.
- (iv) Professional Diploma in Industrial Relations and Personnel Management in the Faculty of Social Work.

(3) *Buildings:*

- (a) The following buildings were completed during the year:
 - (i) Hostel for 140 students under the scheme of introduction of 9 Post-graduate Courses in Civil, Mechanical and Electrical Engineering.
 - (ii) Second phase of the expansion of the Faculty of Commerce Building.
 - (iii) Canteen and Common Room on the Campus of the Faculty of Arts.
 - (iv) Foundry Shed for the Department of Metallurgy.
- (b) The following buildings were under construction:
 - (i) Building under the Scheme of 5 Year Integrated Degree Courses in Civil, Mechanical and Electrical and (a Part of) Metallurgical Engineering.
 - (ii) Library Building for Under-graduate Students.
 - (iii) Building for Model Diploma Courses in Petro-chemical Engineering at the Polytechnic.
 - (iv) Building for the Department of Bio-chemistry under the Special Assistance Programme.

(4) *Seminar:*

A Seminar on "Urban History" was conducted in the History Department of the Faculty of Arts from 29th June, to 2nd July, 1974. The Seminar was sponsored by the Indian Council of Historical Research, New Delhi.

(5) *Distinguished Visitors:*

Dr. Hargovind G. Khorana, Noble Laureate in the field of Genetics and Professor at the Massachusetts Institute of Technology, U.S.A. visited the University and addressed the staff and students.

(6) *Visiting Committees:*

- (i) The U.G.C. Visiting Committee under the Convenership of Professor Nihar Ranjan Ray visited the Oriental Institute on 29th and 30th July, 1974 and assessed the recurring and non-recurring require-

ment for the schemes of 'Publication of Critical Edition of Vishnu-purana' and 'Publications under the Gaekwad Oriental Series'.

- (ii) The Visiting Committee of the Western Regional Office of the Ministry of Education and Social Welfare under the Secretaryship of Shri H. S. Shahani visited the Faculty of Technology and Engineering on 12th June, 1974 and assessed the recurring and non-recurring requirement for introduction of Part-time degree courses in Civil, Mechanical and Electrical Engineering for Diploma holders.
- (iii) The Visiting Committee of the Ministry of Education and Social Welfare under the Secretaryship of I. B. Sangal visited the Faculty of Technology and Engineering on 13th September, 1974 and assessed the recurring and non-recurring requirement for introduction of a Post-graduate Degree Course in Petro-chemical Engineering.
- (iv) The U.G.C. Visiting Committee under the Convenership of Dr. B. N. Udgaonkar visited various Faculties and Institutions of the University on 27th and 28th January, 1975 and assessed the recurring and non-recurring requirements for the development of Humanities, Social Science, Science subjects and special and general schemes of the University during the Fifth Five Year Plan.

(7) *National Award:*

Professor K. G. Subramanyan, Professor of Painting was honoured by the Government of India with the title "Padma Shree."

(8) *Silver Jubilee Celebrations:*

The Silver Jubilee year celebration was inaugurated on 29th April, 1974. His Excellency Shri K. K. Viswanathan, Governor of Gujarat was the Chief Guest at the function. A Welcome Speech was made by the late Vice-Chancellor Shri N. K. Vakil. Shrimati Hansa Mehta, the first Vice-Chancellor of the University in her speech hoped that it would always work for the advancement of learning and knowledge and be useful to the community in general and to Baroda in particular. Shri Fatehsinh Rao Gaekwad, the Chancellor gave the historical background and a brief account of the notable achievement of the University and made a fervent appeal for vigorous and planned efforts to achieve the target of collection of Rs. One Crore. He also announced his initial contribution of Rs. 1 lakh to the fund. His Excellency, Shri K. K. Viswanathan inaugurated the function and hoped that the University would make further progress in the academic field and come to play a more and more significant role in the shaping of society and the India of to-morrow.

The Office was established in July, 1974 with Professor N. S. Pandya as an Honorary Coordinator, a part-time clerk and a peon. The major activities of this Office have been as under:

- (i) Establishment of Sub-committees to contact different groups of people in and outside Baroda.
- (ii) Establishment of Sub-committees at different Centres—Bombay, Delhi and in U.S.A.
- (iii) (a) Preparation and distribution of Folders giving in brief the progress in 25 years as well as proposed programmes of development.
- (b) Preparation and distribution of Posters for donation to the Silver Jubilee Fund.
- (c) Designing and Sale of Silver Jubilee seals.
- (iv) Coordination in the organization of programmes by various Faculties, Institutions and student groups.
 - (a) Fun Fairs: Fine Arts Faculty, Home Science Faculty and Students' Union.
 - (b) Cultural Programmes:
 - Faculty of Arts: (i) Vedic Recitation, (ii) Entertainment Programme, November, 1974.
 - Faculty of Commerce: Entertainment Programme, August 1974.
 - Shri M. K. Amin Arts and Science College and College of Commerce, Padra: Entertainment Programme, October 1974.
 - Faculty of Home Science:
 - (i) Shehanai Recital: Ustad Bismillahkhan and Party, December, 1974.
 - (ii) Dance: Smt. Vaijayanthimala, January, 1975.
 - (iii) Musical Night: Padmabhushan Kumari Lata Mangeshkar, March, 1975.
 - College of Indian Music, Dance and Dramatics: Entertainment Programme.
 - (c) The M. S. University Karmachari Mandal:
 - (i) Publication on 30th March, 1975 of Sant Saurabh (सुरभ), a volume of articles on the Saints of Gujarat and on the important places of pilgrimage in the State.

- (ii) Sant Sammelan on 30th March, 1975 at which eminent saints belonging to different sects were invited. Shrimad Jagadguru Shankeracharya Maharaj presided.
- (iii) Bhagwat Saptah from 31st March to 10th April, 1975 at which Shri Dongre Maharaj of Baroda preached the Bhagwat in two sessions everyday. The Katha was attended by thousands of men, women and children from Baroda and the district. The nett collection of about Rs. 3 lacs that the Mandal's effort brought in would be made over to the Silver Jubilee Fund.
 - (d) Sale of calendars by University Students' Forum.
 - (e) Sale of greeting cards by Chetan Balwadi.
- (v) Contacting alumni, both in India and abroad for collection of funds.
- (vi) Establishment of M. S. University Alumni Cells within the industries at G.S.F.C., Jyoti and Alembic.
- (vii) In March it was decided that certificate for 100% exemption from Income-tax be obtained for donations towards research that may be financed by the industries, commercial houses, banks, etc.

4. Teaching Staff

The total number of teaching staff (excluding 128 in Medical College) consisted of 60 Professors, 126 Readers, 581 Lecturers, 77 Teaching Assistants, Assistant Lecturers, Instructors and Ustads, 65 Honorary, Part-time and others, the total being 909 (Appendix IV).

5. Facilities to the Teaching Staff for further Studies

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

Sr.No.	Name of the Teacher	Qualifications/training or experience acquired
(1)	Shri B. N. Shah, Lecturer in English	M.A. Brown University, U.S.A.
(2)	Dr. S. J. Desai, Lecturer in Geology	Advanced Study in U.K. under Royal Society Bursary.
(3)	Dr. G. Pratapsenan, Lecturer in Botany	Specialised in modern techniques in Germination Physiology.
(4)	Shri H. V. Bhavnani, Reader in Civil Engineering	M. App. Science (Air Environmental), Melbourne, Australia.

Sr.No.	Name of the Teacher	Qualifications/training or experience acquired
(5)	Shri C. C. Shah, Reader in Applied Mathematics	Research and experience in some areas of Applied Mathematics at the Indian Institute of Technology, Bombay.
(6)	Shri P. M. Modi, Reader in Civil Engineering	Diploma in Hydraulic Engineering, Delft, Netherlands:
(7)	Shri K. S. Patel, Lecturer in Electrical Engineering	M.Tech. I.I.T., Kharagpur.
(8)	Shri R. J. Mistry, Reader in Textile Engineering	(i) M.S. and Ph.D. (Education), Southern Illinois University, (ii) M.S. (Text.), Clemson University.

(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)	Shri C. K. Seshadri, Reader in English	For a Doctorate degree in English Language, at Ontario Institute for Studies in Education of the University of Toronto, Canada.
(2)	Dr. A. R. Mehta, Reader in Botany	To attend 3rd International Congress of Plant Tissue and Cell Culture, at Leceister, U.K.
(3)	Dr. V. V. Modi, Professor of Microbiology	To conduct co-operative research with the Scientists in Japan.
(4)	Dr. K. K. Rao, Lecturer in Microbiology	To participate in long term post-graduate course on modern problems in Biology sponsored by WHO and UNESCO at Prague University, Czechoslovakia.
(5)	Dr. A. K. Mattoo, Lecturer in Microbiology	To accept post-doctoral fellowship for research at the University of Adelaide, Australia.
(6)	Dr. N. Radhakrishnan, Lecturer in Zoology	To accept research fellowship at Simon Fraser University, Burnaby, Canada.
(7)	Sarvashri P. D. Vyas and M. M. Ghodke, Senior Instructors in Civil Engineering	For M.E. degree in Hydraulics, Structures and Public Health Engineering respectively at the Faculty of Technology and Engineering, Baroda.

Sr.No.	Name of the Teacher	Purpose
(8)	Sarvashri S. K. Agrawal and D. K. Basu, Lecturer/Senior Instructor in Metallurgical Engineering	For M.E. degree in Industrial Metallurgical Engineering, Faculty of Technology and Engineering, Baroda.
(9)	Shri J. H. Mehta, Lecturer in Electrical Engineering	For M.E. degree in Automatic Control Engineering, Faculty of Technology and Engineering, Baroda.
(10)	Shri K. B. Agarwal, Lecturer in Mechanical Engineering	For M.E. degree in Internal Combustion Engineering, Faculty of Technology and Engineering, Baroda.

6. University Examination Results

Fifty-one candidates were declared qualified for the award of Ph.D. degree of this University during the year 1974-75. 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, 1974 and (ii) October-November, 1974 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) Shri Chhotabhai Jhaverbhai Sutaria Memorial Scholarship Fund donated by Shri H. C. Sutaria, Jogidas Vithal's Pole, Baroda	8,000/-	For awarding two Scholarships of equal amount—one in S.Y.B.Com. and the second in T.Y.B.Com. to deserving lady students in the Faculty of Commerce on the following conditions: To a lady student who passes at first attempt in F.Y.B.Com. Examination of March/April from this University with atleast second class obtaining

1	2	3
		highest number of marks from amongst all lady students who have appeared for the said examination and prosecutes her further studies for S.Y.-B.Com. The scholarship will be tenable in favour of the said student for T.Y.B.Com. provided she continues her studies further for T.Y.B.Com.
(ii) (a) Prof. N. S. Pandya 8,000/- Gold Medal in Physics Fund donated by the Chairman, Prof. N. S. Pandya 60th Birthday Anniversary Fund Committee		For awarding a Gold Medal annually at the Convocation to a student who has passed the Final year B.Sc. degree examination with Physics as Principal subject of the M. S. University of Baroda held in March/April, at first attempt in First Class, obtaining the highest number of marks in Physics.
(b) Prof. N. S. Pandya 6,000/- Scholarship in Physics Fund		For awarding scholarship every year in two equal instalments, to a student who has passed the M.Sc. Physics (Previous) Examination of the M. S. University of Baroda held in March/April at first attempt, obtaining the highest number of marks thereat and who prosecutes his further studies for M.Sc. (Physics) Final year course in this University.
(c) Prof. N. S. Pandya 6,000/- Scholarship in Applied Physics Fund		For awarding scholarship every year in two equal instalments, to a student who has passed the M.Sc. (Applied Physics) Examinations (First and Second Semester together) of the M. S. University of Baroda held in March/April at first attempt, obtaining the highest number of marks thereat and who prosecutes his further studies for M.Sc. Final Year (Applied

1	2	3
		Physics) Course at the Faculty of Technology and Engineering, in this University.
(iii) (a) Shri Kachhia Patel 5,001/- Pragjibhai Raijibhai Chhaniwala Silver Medal Fund donated by Shri Maganlal P. Seedsman, Kanbiwad, Unchi Pole, Rajmahal Road, Baroda		For awarding every year a 'Silver Medal' at the Annual Day Function of the institution to a student who has passed the Final year Diploma Mechanical Engineering Examination of the M. S. University of Baroda held in March/April at first attempt in First Class obtaining the highest number of marks thereat.
(b) Shri Amrutlal Maganlal Patel 2,501/- Prize Fund		For awarding a 'Mahavastra' at the Annual Day Function of the Institution to the student who has passed the Final Year Examination of Prathama Kaksha (Certificate Course), conducted by the Baroda Sanskrit Mahavidyalaya, Baroda in March/April at first attempt, obtaining the highest number of marks in the subject of 'Yagniki'.
(iv) Shri Chimanlal Maganlal 6,000/- Doctor Memorial Scholarship Fund donated by Smt. Gunvantben Chimanlal Doctor and her family, Ahmedabad		For awarding every year a scholarship in two equal instalments, to a student who passes at first attempt the final year B.A. degree examination of the M. S. University of Baroda held in March/April with atleast second class, obtaining the highest number of marks in aggregate in History (Major) (Six papers) and who prosecutes his/her further studies in this University for M.A. degree course with History in the subsequent year.
(v) Hari Om Ashram 8,000/- Sponsored Pujya Shree Rang Avadhut Smarak Trust Fund donated by		For awarding "Hari Om Ashram Sponsored Pujya Shree Rang Avadhut Gold Medal" annually at the Convocation to a student who has passed the

1	2	3
Trustees, Hari Om Ashram, Nadiad		M.A. Degree examination with Sanskrit Principal held by the M. S. University of Baroda in March/April with atleast second class, at first attempt, obtaining the highest number of marks in the Papers III (Vedanta Shastra Paper I) and VI (Vedanta Shastra Paper II).
(vi) Shri Ishwarbhai S. Amin Memorial Prize in Pharmacy Fund donated by Shri Chimanbhai Ishwarbhai Amin, Alembic Colony, Baroda	5,001/-	For awarding a prize in cash, to a student who passes the Final Year B.Pharmacy degree examination held at the end of the fourth year of the course by the M. S. University of Baroda in March/April at first attempt obtaining the highest number of marks (but not less than 50 percent) thereat.
(vii) Sayaji Iron and Engineering Co. Pvt. Ltd., Baroda Scholarship	—	For awarding scholarship tenable for two years each of Rs. 7,750/- from the amount of Rs. 15,500/- to be received every year from M/s. Sayaji Iron and Engineering Co. Pvt. Ltd., Baroda, to a student who has passed the Degree Examination in Civil Engineering in First Class of a recognised University and joins this University in M.E. (Civil Engineering) class and offers the subject of "Highway Engineering".
(viii) Ranji Centenary Trophy Fund donated by Shri Ranjitsingh Gaekwad, Baroda	9,750/-	For awarding a trophy to be known as "Ranji Centenary Trophy" each year at the end of the cricket season to "The Cricketer of the Year" of the Maharaja Sayajirao University of Baroda. Alongwith the trophy a cash prize of Rs. 300/+ shall also be given to the recipient.

8. Finances of the University

(1) Capital Accounts:

Statement 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 1974-75 are given in Appendix VIII.

(2) Revenue Accounts:

The receipts and disbursements during the financial year 1974-75 were Rs. 2,23,85,559-86 and Rs. 2,56,41,989-57 respectively leaving a deficit of Rs. 32,56,429-71. Details of the Accounts are given in Appendix IX.

(3) Grants:

The University received grants totalling Rs. 56,67,500-39 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.

9. Construction Division

Shri R. C. Bhavsar, B.E. (Civil) was in charge of the Office of the University Engineer from 1-4-1974 to 23-10-1974. Shri B. B. Nanavati, B.E., A.M.I.E. obtained the M.S. degree in Civil Engineering from Rutgers University, State University of New Jersey, U.S.A. and took over the charge of the Office of University Engineer on 24th October, 1974.

(1) Capital Works:

The Construction Division supervised the construction of various buildings, extensions, additions and alterations and an amount of Rs. 15,08,800-81 was spent during the year on capital works.

(2) Ordinary and Special Repairs:

The total expenditure on repair works during the year was Rs. 1,88,835-88 and Rs. 1,56,139-48 on Ordinary and Special Repairs respectively. Also an expenditure amounting to Rs. 6,102-02 was incurred on immediate petty repairs to buildings.

CHAPTER II—OFFICERS OF THE UNIVERSITY

Officers

(1) *The Chancellor.*

Shri Fatesinhrao Pratapsinhrao Gaekwad is the Chancellor of the University under Statute 110A.

(2) *The Vice-Chancellor:*

Shri N. K. Vakil, B.A., LL.B. (Bom.) continued to work as Honorary Vice-Chancellor under Statute 115 upto 3rd May, 1974, as he suddenly expired on 4th May, 1974.

Professor P. J. Madan, B.Sc. (Engg.) (Edin.), D.I.C., M.Sc. (Engg.) (London), M. Inst. H.E. (London), F.I.E. (India), Pro-Vice-Chancellor exercised as per Section 12(2) of the Maharaja Sayajirao University of Baroda Act 1949, all the rights and powers and discharged all the functions and duties of the Vice-Chancellor from 4th May to 31st December, 1974.

Professor P. J. Madan was elected Vice-Chancellor and assumed office on 1st January, 1975 and continued to work as Vice-Chancellor under Statute 113 during the year.

(3) *The Pro-Vice-Chancellor :*

Professor P. J. Madan, B.Sc. (Engg.), D.I.C., M.Sc. (Engg.) (London), M. Inst. H.E. (London), F.I.E. (India) continued to work as Pro-Vice-Chancellor under Statute 120 for a period upto 31st December, 1974.

(4) *Deans:*

The following Officers continued to work as Deans of the various Faculties:

Faculty	Dean
(i) Arts	Professor R. N. Mehta
(ii) Science	Professor N. S. Pandya (upto 27-4-1974) Professor S. S. Merh (from 29-4-1974)
(iii) Education and Psychology	Professor D. M. Desai



(1908-1974)

On 4th May, 1974, the University Community received with profound sorrow the news that their Vice-Chancellor Justice Nusserwanji Kavasji Vakil had passed away in sleep. The sense of orphanage with which the stunned campus was suddenly assailed persists. The memory of his halcyon presence and his gracious ways quicken with of every new event in the University. We remember him as a man of unsparing devotion to this University, strong in his conviction of the essential unity and solidarity of the campus community, ever concerned to enhance its prestige as an academic institution and equally conscious of its responsibility to society. We are proud to continue in the traditions with which he so closely identified himself.

<i>Faculty</i>	<i>Dean</i>
(iv) Commerce	Professor K. N. Naik (upto 30-4-1974) Dr. H. P. Chokshi (from 1-5-1974)
(v) Medicine	Dr. V. P. Bhatt
(vi) Technology and Engineering	Professor S. M. Sen
(vii) Law	Professor H. C. Dholakia (upto 30-4-1974) Shri N. J. Shah (from 1-5-1974)
(viii) Fine Arts	Professor K. G. Subramanyan (upto 30-4-1974) Shri N. B. Joglekar (from 1-5-1974)
(ix) Home Science	Professor (Kum.) Justina A. Singh (upto 30-4-1974) Professor (Kum.) Padma S. Chari (from 1-5-1974)
(x) Social Work	Professor (Kum.) Indira M. Patel (from 1-5-1974 to 15-8-1974 and from 17-3-1975 to 31-3-1975) Shri K. M. Sharma, Offg. Dean (from 16-8-1974 to 15-3-1975)

(5) *Registrar:*

Shri K. A. Amin continued to work as Registrar.

(6) *Librarian:*

Dr. L. M. Padhya continued to work as Librarian

(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
(iii) Principal, College of Indian Music, Dance and Dramatics	Shri M. J. Bhatt

Designation	Name
(iv) Principal, Sanskrit Mahavidyalaya	Shri L. K. Jha In-charge Principal (upto 30-4-1974) Professor A. N. Jani (from 1-5-1974)
(v) Principal, Polytechnic	Professor K. K. Thakore
(vi) Principal, M. K. Amin Arts and Science College and College of Commerce, Padra	Shri I. A. Dave (upto 6-5-1974) Shri M. C. Patel (from 7-5-1974)
(vii) Head, Preparatory Unit—Arts and Commerce	Dr. B. G. Desai (upto 31-8-1974) Shri J. D. Desai (from 2-9-1974)
(viii) Head, Preparatory Unit—Science	Shri C. J. Shah (upto 30-4-1974) Dr. S. K. Shah (from 1-5-1974)
(ix) Director, Centre for Continuing/Adult Education and Community Services	Dr. B. G. Desai (from 1-10-1974)

CHAPTER III—THE SYNDICATE AND THE SENATE

1. The Syndicate

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

- *1. Shri N. K. Vakil, Vice-Chancellor
- †2. Professor P. J. Madan, Pro-Vice-Chancellor
3. Director of Education or his nominee
- ‡4. Dr. H. P. Chokshi
5. Professor D. M. Desai
6. Dr. S. P. Desai
7. Professor R. N. Mehta
8. Dr. C. P. Munshi
9. Shri F. H. Palejwala
10. Shri J. A. Pandya
- @11 Professor N. S. Pandya
12. Dr. C. B. Patel
13. Shri D. K. Patel
14. Dr. T. V. Patel
15. Shri U. M. Patel
16. Professor S. M. Sen

During the year the Syndicate held 19 meetings in which they considered and passed resolutions on 902 items. The following statement shows the attendance of the members at the Ordinary and Special meetings of the Syndicate during the year.

Name	No. of meetings held	Class of meetings		Present
		O. Ordinary	S. Special	
	1	2	3	4
Shri N. K. Vakil, Vice-Chancellor	2	O. 1 S. 1		O. 1 S. 1

* Expired on 4th May, 1974

† Became Vice-Chancellor from 1st January, 1975

‡ Became a member from 8th December, 1974.

@ Ceased to be a member from 27th April, 1974

1	2	3	4
Professor P. J. Madan, Pro-Vice-Chancellor	19	O. 12 S. 7	O. 12 S. 7
Director of Education or his nominee	19	O. 12 S. 7	O. — S. —
Dr. H. P. Chokshi	5	O. 4 S. 1	O. 4 S. 1
Professor D. M. Desai	19	O. 12 S. 7	O. 12 S. 5
Dr. S. P. Desai	19	O. 12 S. 7	O. 12 S. 7
Professor R. N. Mehta	19	O. 12 S. 7	O. 11 S. 7
Dr. C. P. Munshi	19	O. 12 S. 7	O. 12 S. 7
Shri F. H. Palejwala	19	O. 12 S. 7	O. 12 S. 7
Shri J. A. Pandya	19	O. 12 S. 7	O. 12 S. 7
Professor N. S. Pandya	2	O. 1 S. 1	O. 1 S. —
Dr. C. B. Patel	19	O. 12 S. 7	O. 10 S. 5
Shri D. K. Patel	19	O. 12 S. 7	O. 12 S. 6
Dr. T. V. Patel	19	O. 12 S. 7	O. 9 S. 4
Shri U. M. Patel	19	O. 12 S. 7	O. 10 S. 5
Professor S. M. Sen	19	O. 12 S. 7	O. 12 S. 6

2. The Senate

The Senate consisted of 88 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 N. K. Vakil	(11) Professor M. A. Quraishi
(2) Shri R. S. Mehta	(12) Dr. S. H. Shah
(3) Professor N. S. Pandya	(13) Shri P. C. Parikh
(4) Professor K. N. Naik	(14) Professor M. V. Mathur
(5) Professor H. C. Dholakia	(15) Dr. D. T. Lakdawala
(6) Prof. K. G. Subramanyan	(16) Shri Arvind Navinchandra Mafatlal
(7) Prof. (Kum.) J. A. Singh	(17) Professor P. K. Kelkar
(8) Dr. B. G. Desai	(18) Professor R. H. Dave
(9) Shri C. J. Shah	(19) Dr. L. S. Chandrakant
(10) Shri I. A. Dave	

(ii) The following persons became members of the Senate:

(1) Shri A. R. Desai	(9) Dr. S. K. Shah
(2) Professor S. S. Merh	(10) Shri M. C. Patel
(3) Shri N. J. Shah	(11) Professor A. N. Jani
(4) Shri N. B. Joglekar	(12) Dr. L. M. Padhya
(5) Prof. (Kum.) P. S. Chari	(13) Shri N. M. Pandya
(6) Shri J. D. Desai	(14) Dr. S. M. Divekar
(7) Professor H. C. Dholakia	(15) Shri M. D. Vaishnav
(8) Dr. B. G. Desai	

The Senate met twice during the year on 8th December, 1974 and 23rd March, 1975. Sixty six members attended the meeting on 8th December, 1974 and fifty seven on 23rd March, 1975.

Meeting of December, 1974:

The election of the Vice-Chancellor, one Dean to the Syndicate, one member each on the Board of Visitors for 5 institutions, one Fellow on the Board of Extra Mural Studies, two members on the Board of Accounts and one member of the Faculty of Medicine to the Medical Council of India was held. Seventeen Fellows were assigned to the Faculties. Lapsed grants amounting to Rs. 8,66,600/- in the Capital Budget and supplementary grants amounting to Rs. 21,68,497/- in the Revised Budget were sanctioned. Ordinances and Rules mentioned in Pamphlet No. 13 of Handbook Part II—1967, Ordinances to examinations, syllabi, standard of passing etc. passed by the Syndicate for the various courses of Faculties of Law, Handbook Part III—1974 and Faculty of Education and Psychology, Handbook Part III—1974 and prescribed text-books for the examinations in Arts, Science, Commerce, Technology and Engineering, Fine Arts and Home Science, Handbook Part IV—1974 were considered and passed. Proposals for amendment of Statute 91 and Statute 199 were considered and passed. The Twenty-Fifth Annual Report and Twenty-Fifth Annual Accounts of the

University for the year 1973-74 were passed and the excess of expenditure over the revised estimates for the year 1973-74 were also approved. The Report of the Board of Accounts for the year 1973-74 was considered and passed. The proposal for institution of posts for the Faculty of Arts, Faculty of Science, Faculty of Education and Psychology and Faculty of Commerce, redesignation of a post in the Faculty of Education and Psychology and transfer of four posts from the Faculty of Arts to Faculty of Commerce and two posts from the Faculty of Science to Faculty of Commerce was considered and passed. The proposal for institution of Medals, Scholarships and Prizes was passed.

Meeting of March, 1975:

The election of the Pro-Vice-Chancellor, five teachers to the Council of Post-graduate Studies and Research, one member each on the Board of Visitors for 5 institutions, one Fellow on the Board of Extra Mural Studies and one member on the Board of Accounts was held. Four Fellows were assigned to the Faculties. Annual Financial statement comprising the revised estimates for the year 1974-75 and the estimates for the year 1975-76 were considered and passed. Ordinances and Rules mentioned in Pamphlet No. 14 of Handbook Part II—1967 and Ordinances relating to the Examinations, Syllabi, Standard of passing etc. passed by the Syndicate for various courses of the Faculty of Science, Handbook Part III—Vol. I—1975 were passed. Proposals for amendment of Statute 113, Statute 119, Statute 136 and Statute 200 were considered and passed. The proposal for Institution of one post for the Faculty of Science was considered and passed. The proposal for institution of a Prize 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 2nd April, 10th September and 27th December, 1974. The following are the main items considered and recommended by the Council and approved subsequently by the Syndicate:

- (1) Proposals for 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 1975-76.
- (2) Panels of names of referees to examine the theses of 34 students for the award of Ph.D. degree in different subjects;
- (3) Recognition of 31 teachers as Post-graduate teachers for guiding students for Ph.D. degree in different subjects and for various post-graduate courses in the Faculty of Medicine;
- (4) 46th and 47th half yearly progress of the Critical Editions of old Gujarati Texts (Prachin Gurjar Granthmala);
- (5) The Research and Development Centre of M/s Jyoti Limited, Baroda was recommended for recognition as a Centre for purposes of carrying on research work for the Ph.D. degree in the subject of Electrical Engineering in the areas of Rotating Electrical Machinery and Power Electronics, under the Faculty of Technology and Engineering for the benefit of eligible students of this University and/or persons deputed by this University;
- (6) Malti Chemical Research Centre, Nandesari, Baroda was recommended for recognition as a Post-graduate Research Centre for carrying out research work for the award of Ph.D. degree in Organic Chemistry under Faculty of Science, Baroda, of this University for the benefit of all eligible students working at the Centre.
- (7) Made a provision that (i) Ph.D. research students and (ii) holders of Research scholarships may be given accommodation in the Halls of Residence only so long as they pay tuition fees and are on the roll of the Faculty/Institution concerned or so long as they get research scholarships as the case may be;
- (8) Decided that scholars holding Master's degree in any discipline shall be considered eligible for registration for Ph.D. degree in Education under the Faculty of Education and Psychology of this University, provided they are

otherwise eligible for registration for Ph.D. degree in Education and amended O. Ph.D. 7 suitably to provide for the above decision.

2. Faculties

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

<i>Sr.No.</i>	<i>Name of the Faculty</i>	<i>Date of the meeting</i>
(1)	Arts	
(2)	Science	5-1-1975
(3)	Commerce	28-12-1974
(4)	Education and Psychology	28-12-1974
(5)	Medicine	28-12-1974
(6)	Technology and Engineering	27-4-1974
(7)	Fine Arts	11-1-1975
(8)	Social Work	28-12-1974
(9)	Law	28-12-1974
		15-2-1975

(1) Faculty of Arts:

- (i) Recommended that the introduction of two courses—one of the Certificate level and the other of the Diploma level—English initially as a three-to-five year project as per details and conditions to be suggested by the Department of English, be approved in principle.
- (ii) Approved the proposed changes in Syllabi in Archaeology and Indian History and Culture of S.Y.B.A. (Major), Paper I and II and M.A. Part I Entire group A Paper II and III.
- (iii) Approved the revised syllabi of Paper VI in Logic for the T.Y.B.A.
- (iv) Recommended that the "Political Science" be considered as an allied subject to 'Linguistics' at the F.Y.B.A. Examination.
- (v) Recommended that the existing nomenclature viz Political Sociology of M.A. Part II—Paper VI be approved..
- (vi) Recommended the title of F.Y.B.A. (Major) Paper I be changed from "Analytic Political Theory" to "Modern Political Analysis".
- (vii) Recommended that the title of M.A. Part II—Paper V be changed from "Analytic Political Theory" to "Empirical Political Theory".

- (viii) Recommended that the same No. (i.e. VII) given to "Quantitative Economics" be given to the New Paper on "Classical Economics" at M.A.
 - (ix) Recommended that an Eight Paper course in Language and Literature in addition to the present 6-2 Principal—Subordinate pattern be accepted in principle.
- (2) Faculty of Science:
- (i) Recommended that the revised syllabi, scheme of examinations etc. for M.Sc. (Previous) and M.Sc. (Final) examinations in Botany be approved and be made effective from the academic year 1975-76 with the modification that Status quo be maintained as far as marks of Viva-Voce are concerned.
 - (ii) Recommended that the revised syllabi, scheme of examination etc. for M.Sc. (Previous) examination in Chemistry be approved and the same be made effective from June 1975.
- (3) Faculty of Commerce:
- (i) Recommended amendment of O. Com. 50 relating to Post-graduate Diploma in Banking with a view to make provision for the award of classes viz. First class with distinction, First, Second and Pass class at the said diploma examination.
 - (ii) Recommended amendments of O. 28 and Com. 45 suitably in view of amendment of O. Com. 50 in respect of Post-graduate Diploma in Banking.
 - (iii) Recommended redesignation of some teaching posts in the Faculty of Commerce, Faculty of Technology and Engineering, Polytechnic and M. K. Amin Arts and Science College and College of Commerce, Padra.
 - (iv) Recommended amendment of O. Com. 1 relating to the undergraduate Diploma in Co-operation.
 - (v) Approved the report of the Committee appointed by the Faculty to work out details of the proposed M.B.A. degree course.
- (4) Faculty of Education and Psychology:
- (i) Recommended amendments of O. M.Ed. 6, O. B.Ed. 6 and O. Dip. EC. Ed. 5.
 - (ii) Recommended that the revised Dip.Ed. course of two years duration be introduced from the academic year 1975-76.

- (iii) Recommended that the existing undergraduate Diploma in Early Childhood Education course be discontinued from the academic year 1975-76.
 - (iv) Approved the books as recommended books for F.Y.B.A. and M.A. Part II examinations in Psychology.
 - (v) Approved the revised Syllabi of "Psychology of Adjustment and Mental Hygiene etc." of T.Y.B.A. course.
 - (vi) Recommended that students of four special groups at M.A. Part II Psychology be permitted to offer a paper in lieu of dissertation.
- (5) *Faculty of Medicine:*
- (i) Recommended that Status quo be maintained for the present as far as holding the First M.B.B.S. examination is concerned.
 - (ii) Recommended that Shri B. R. Parikh be not permitted to do compulsory Rotating Housemanship (Internship) at the University teaching Hospital in Zambia for purpose of the award of the M.B.-B.S. degree of this University.
 - (iii) Amended Rule No. 1 (iv) of the rules regarding Post-graduate studies in the Faculty of Medicine by deleting the clause (d) "worked in rural areas atleast for two years".
 - (iv) Recommended that the letter dated 26-4-1974 of Dr. G. V. Merchant, Orthopaedic Surgeon and Ex-Officio Professor of Orthopaedics regarding permission to absorb the same number of post-graduate students as would be possible of a Diploma course in Orthopaedics not in existence at present be forwarded to the Medical Council of India for necessary permission.
- (6) *Faculty of Technology and Engineering:*
- (i) Recommended that 50 marks be included as term work and viva in the subject of Instrumentation in M.E. I (Met.) examination.
 - (ii) Recommended that 50 marks be included as term work and viva in the subject of Metal joining in M.E. II (Met.).
 - (iii) Recommended that the additional electives viz. (a) Advanced Mineral Processing and (b) (i) Germanium Engineering and (ii) Powder Metallurgy be introduced in the subject of Elective I and Elective II in the 1st and IInd Semester of B.E. V (Met.).
 - (iv) Recommended that the existing subject "Non-Ferrous Extractive Metallurgy" prescribed for B.E. IV (Met.) 1st Semester be transferred to B.E. IV (Met.) IInd Semester in place of the subject

- "Refractories" which is transferred to the 1st Semester of B.E. IV (Met.).
- (v) Recommended that term work and viva be introduced in the subject of Non-Ferrous Extractive Metallurgy in the B.E. IV (Met.) IInd Semester.
 - (vi) Recommended that the Semester System for the 5th year B.Arch. degree course be introduced from the academic year 1975-76 and the details of syllabi, schemes of examinations and teaching be also approved as proposed.
 - (vii) Recommended that the term work in all the subjects of 1st and 2nd Semester of IVth and Vth year B.Arch be examined by the internal examiner, subject to the condition that in the subject of Building Construction I, II and III and Design VII, VIII and IX there will be two internal examiners.
 - (viii) Recommended that the Papers on Basic Electronics and Industrial Electronics be introduced in Second and Third Semesters respectively of M.Sc. Applied Physics course.
 - (ix) Recommended that the existing scheme of teaching and examination for M.Sc. Applied Physics Course be modified and approved as proposed.
 - (x) Recommended that the revised syllabi of Mathematics VII for B.E. IV (Chemical) be approved as proposed.
 - (xi) Recommended that the revised syllabi for Mathematics I, Mathematics II, Mathematics III and Mathematics IV of F.Text. and S.Text. course be approved as proposed.
 - (xii) Recommended that the Syllabus of Chemical Engineering Mathematics for Post-graduate degree course in Petro-chemical Engineering be approved as proposed.
 - (xiii) Recommended that exemption be given to students joining the F.Y. Diploma in Engineering courses after passing the Preparatory Science examination of this University or an examination recognised as equivalent thereto from any statutory University in the State of Gujarat in the subjects of Physics, Chemistry and Mathematics at the F.Y. Diploma in (Civil, Mechanical and Electrical) Engineering course at Polytechnic, Baroda.
 - (xiv) Recommended that Sections A and B of A.M.I.E. examinations held by Institute of Engineers (India) be not recognised as equivalent to B.E. Examinations of this University for purposes of admission

to M.E. courses under the Faculty of Technology and Engineering, Baroda.

- (xv) Recommended that relevant ordinances regarding standard of passing etc. for M.E. (C.M.E.) and M.Text. (Engineering) be modified and approved as proposed.
- (xvi) Recommended that the report of the sub-committee regarding Syllabi and the scheme of M.Sc. (Applied Mathematics) be approved.
- (xvii) Recommended that the proposed yearwise equivalence from regular Diploma course to Extended Diploma course and vice-versa be approved.
- (xviii) Recommended that the proposed new stream for Instrumentation Specialization and the modification of the existing scheme of B.E. III/V (Electronics) be introduced at the Final year of B.E. (Electronics) degree course and the proposed scheme of teaching and examination of the Final Year B.E. (Electronics) and details of Syllabi etc. be modified and approved.
- (xix) Recommended that the proposed draft of Ordinances regarding examinations, standard of passing and award of class for B.Text. (Engg.) and B.Text. (Tech.) courses be approved.
- (7) *Faculty of Fine Arts:*
 - (i) Approved the revised M.A. (Fine) Arts History course as proposed.
 - (ii) Recommended that the admission test on General knowledge for purposes of granting admission to the Preparatory courses be reframed at the Faculty level making provision for testing the expressive ability of students.
 - (iii) Recommended that the introduction of additional course on Modern Indian Art and Art Criticism of 2 credits at the existing M.A. (Fine) in Art Criticism course be academically approved as per proposed outlines.
 - (iv) Recommended that the Certificate course in Bronze Casting be revised and approved as proposed and it be renamed as Certificate Course in Metal Casting.
 - (v) Recommended that the existing M.A. (Fine) course in Bronze Casting be renamed as M.A. (Fine) course in Metal Sculpture.
 - (vi) Recommended that foreign students who are admitted to the B.Mus. Degree course and who desire to seek exemption in the subject of Hindi, be granted exemption in the subject of Hindi at the B.Mus. degree course if they apply within the prescribed time after they are

admitted to the course, subject to the condition that such students shall not be considered eligible for the benefit of any class, rank or award or prizes at the examination.

- (vii) Recommended that the M.A. (Museology) course of two years duration be implemented from the academic year 1975-76 and its details be approved as proposed.
- (viii) Recommended that the proposed short term certificate course for Inservice foreign students be academically approved.
- (8) *Faculty of Social Work:*
 - (i) Recommended that the revised syllabus etc. for M.S.W. course for the year 1975-77 be approved.
 - (ii) Recommended that the proposed modifications for the Professional Diploma course in Industrial Relations and Personnel Management (D.I.R.P.M.) be approved.
 - (iii) Recommended that the holders of the B.Mus. and M.Mus. degree in Music, Dance and Dramatics of this University be considered eligible for admission to the M.S.W. course in the Faculty of Social Work and the existing O.S.W. 1 be amended as proposed.
 - (iv) Recommended that the revised eligibility requirements for admission to the Professional Diploma course in Industrial Relations and Personnel Management (D.I.R.P.M.) be approved.
- (9) *Faculty of Law:*
 - (i) Recommended that a candidate may pursue LL.B. course simultaneously with any Post-graduate course provided that
 - (a) he is eligible for admission to the two Institutions under the relevant Ordinances of the University, and
 - (b) the time of instruction in the two Institutions does not clash,
 - (c) O. 172A be suitably amended to incorporate the above provision.
 - (ii) Recommended that students who have not appeared at the LL.M. Part I examination held in June, 1974 and who are allowed to keep terms for the LL.M. Part II during the academic year 1974-75 on account of the disturbances in the Gujarat State, will not get any exemption and they will have to pass out both LL.M. Part I and Part II. Such students may appear in LL.M. Part II before appearing in LL.M. Part I. If they pass out Part I and Part II of LL.M. Examination separately, they will be awarded class on the basis of their combined results of both the parts.

3. Boards of Studies

There are 54 Boards of Studies in different subjects. The following 36 Boards met during the year as shown below:

<i>Sr. No.</i>	<i>Name of the Board</i>	<i>Date of the meeting</i>
(1)	Sanskrit, Pali and Prakrit Language and Literature	3-9-1974
(2)	Persian, Urdu and other Asian Language and Literature	5-9-1974
(3)	Hindi Language and Literature	7-9-1974
(4)	Gujarati Language and Literature	6-9-1974
(5)	Marathi Language and Literature	5-9-1974
(6)	English Language and Literature	2-9-1974
(7)	Modern and Ancient European Language and Literature	6-9-1974
(8)	Sociology	9-9-1974
(9)	History, Archaeology and Ancient Indian Culture	5-10-1974
(10)	Philosophy	7-9-1974
(11)	Linguistics	9-9-1974
(12)	Political Science	11-10-1974
(13)	Economics	20-9-1974
(14)	Physics and Meteorology	16-10-1974
(15)	Chemistry	15-10-1974
(16)	Botany	27-9-1974
(17)	Zoology	30-9-1974
(18)	Bio-chemistry	3-9-1974
(19)	Geology	30-9-1974
(20)	Mathematics	19-10-1974
(21)	Geography	1-10-1974
(22)	Education and Educational Administration	13-9-1974
(23)	Psychology	13-9-1974
(24)	Banking and Business Finance	11-9-1974
(25)	Business Economics	11-9-1974
(26)	Medicine, Surgery, Midwifery etc.	14-9-1974
(27)	Electrical Engineering and Electronics Engineering	10-1-1975
(28)	Architecture	23-9-1974

<i>Sr. No.</i>	<i>Name of the Board</i>	<i>Date of the meeting</i>
(29)	Metallurgical Engineering	25-9-1974
(30)	Applied Physics	24-10-1974
(31)	Applied Chemistry	19-10-1974
(32)	Applied Mathematics	19-10-1974
(33)	Painting, Sculpture, Applied Arts, Art History and Graphic Arts	7-10-1974
(34)	Music, Dance and Dramatics	26-9-1974
(35)	Museology	27-9-1974
(36)	Social Work	5-10-1974

The remaining Boards could not meet as there was no item (other than the panels of examiners) to be considered by them.

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

CHAPTER V—BOARDS AND COMMITTEES

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 (i) a Committee to select teams to represent the University at tournaments, (ii) a Committee to purchase materials and equipment for different Games and Sports, (iii) a Committee to dispose of used unserviceable materials, (iv) a Committee to frame rules and regulations for accepting the trophy for cricket from Col. Ashok Raje Gaekwad. The Board recommended (i) reservation of 1% seats to outstanding sportsmen and women for admission to the University, (ii) amendment of O. 3 regarding the constitution of the Board of Sports as mentioned below:

“3(b) Seniors most members of the Department of Physical Education next to the Director, and one other member of the Department by rotation on the basis of seniority in the Department, be appointed on the Board.”
The Board also recommended that no coach should be a Vacation Officer.

2. Publication Board

The Board met on 11th September, 1974, considered and recommended publication of the following works in the Gaekwad Oriental Series:

- (1) A Dictionary of Sanskrit Grammar: by Professor K. V. Abhyankar.
- (2) Ganesavijayakavya of Gopalrao Mairal of Baroda: Edited by Dr. B. N. Bhatt.

It also considered and recommended the publication of the two Journals of the Department of Zoology viz. the Journal of Animal Morphology and Physiology and 'PAVO' the Journal of Ornithology for the year 1974-75.

3. Library Committee

The Committee approved the subscription of Journals for renewal and the report of the satisfactory service rendered by the approved vendors.

4. University Building and Planning Committee

The Committee met in May, 1974 and January, 1975 to consider the building works to be executed in the year 1975-76. The Committee recommended

the maintenance grant @ 1% of the capital value of the Buildings of Rs. 3,75,27,504/- for Ordinary Repairs and @ 1% for Special Repairs to University buildings.

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

(i) A — Ordinary Repairs	Rs. 3,45,275
B — Reserved for any unforeseen urgent items	Rs. 30,000
which may be required during the year	Rs. 3,75,275
(ii) Special Repairs	Rs. 3,75,275

The Committee also recommended the Capital works estimated at Rs. 3,68,750/- subject to the condition that prior approval of the State Government is obtained as per procedure and condition laid down vide letter No. USG-1173-131509-KH, dated 8th May, 1974 from the Under Secretary to Government, Education and Labour Department, Government of Gujarat, Gandhinagar and that the State Government agrees to sanction grant towards these works. The details of the Capital works recommended are as follows:—

	Rs.
(1) Providing Municipal Gas Supply to Archaeology Department and Canteen, Faculty of Arts	10,000/-
(2) Additions and alterations in the Physics Department to accommodate Research Laboratory in the rooms vacated by Geography Department, Faculty of Science	12,000/-
(3) Works in connection with installations of two Water Coolers on first floor of Home Science	24,000/-
(4) Providing Municipal Gas to Laboratories and Summer House, Faculty of Education and Psychology	10,000/-
(5) Providing separate water supply line to the first floor of Pottery Section, Faculty of Fine Arts	1,750/-
(6) Providing venitian shutters to the windows of Art History Department, Faculty of Fine Arts	500/-
(7) Providing partition for cabin to accommodate staff members at Faculty of Commerce	19,000/-
(8) Room for two Machines in Oriental Institute	5,000/-
(9) Mezzanine floor in Manuscript Section of Oriental Institute	3,600/-
(10) Providing service cable for Electrical laboratory—at Polytechnic	4,000/-
(11) R.C.C. Water storage tank over terrace of Dining Hall, Shri K. M. Munshi Hall	8,000/-

(12) Providing additional cup-boards in Students' Rooms in S. P. Hall	1,00,000/-
(13) Providing additional cup-boards in Students' Rooms in Shri K. M. Munshi Hall	72,000/-
(14) Protection wall on Nala side of Old servants' quarter	9,000/-
(15) Bath and W.Cs. 5 Units for Tarabaug Servants' quarters	15,000/-
(16) Providing street lights in compound of University Guest House	3,800/-
(17) Providing street lights for servants' quarters for Sr. No. 1 to 12	5,000/-
(18) Electrification to servants' quarters—7 Nimb Nivas, 2 Tarabaug, 1 University Office Compound	5,100/-
(19) Making drinking water arrangements in kitchen of all Teachers Hostel quarters and Lecturers' quarters	35,000/-
(20) Providing two servants' quarter to accommodate two families of Hamal-cum-sweepers in cases of emergency during nights and off-days	15,000/-
(21) Separate store house at University Press	10,300/-
(22) Providing Electric installation in Puggy's Quarter at Faculty of Fine Arts	700/-
	Total 3,68,750/-

Besides the above works, the Committee recommended to approve the proposal for water supply line estimated at Rs. 5,250/- for M. K. Amin Arts and Science College and College of Commerce at Padra, purchase of Pumps and Machineries for the Bores at Ketkibaug, Polytechnic, Adhyapak Kutirs and for Kalabhavan Well estimated at Rs. 91,850/- with a directive to request the State Government to agree to sanction the grant by giving full justification and explaining in details the necessities of these Pumps for Water supply to the Hostel area and to the University Campus to tide over the Water shortage supply difficulties.

5. Standing Committee on Equivalence of Examination

The Committee met on 20th August, 1974. It considered a number of items regarding equivalence of various examinations.

6. Preparatory Courses Committee

The General Education and the Preparatory Courses Committee met on (i) 15th April, 1974 and (ii) on 28th October, 1974.

7. Committee of Deans and Heads of Institutions

The Committee of the Deans of Faculties and Heads of Institutions met twice during the year on 14th June, 1974 and 31st December, 1974.

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 establishment grants, purchase of equipments, approval of plan, 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 13th February, 1975. It submitted to the Syndicate the revised estimates for the year 1974-75 and the estimates for the year 1975-76 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

Six 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 Publication Sales Unit and also Printing Programme and made recommendations regarding purchases of paper, stationery, equipment etc.

11. Sir Sayajirao III Memorial Research Prize Fund Committee

The Committee met on 24th October, 1974 for scrutinizing the essays on 'मानव संस्कृति અને ધર્મ' for the year 1973-74. The prize was awarded to Shri Chandubhai G. Panchal for writing the best essay for 1973-74.

It was also recommended to invite essays on the subject 'ગુજરાતમાં છેલ્લાં પચાસ વર્ષમાં થયેલાં સામાજિક પરિવર્તનો' for the year 1974-75.

12. Wardens' Committee

Two meetings of the Committee were held during the year.

13. Advisory Committee for NSS

Two meetings of the Advisory Committee for NSS were held during the year. It approved the report of (i) NSS Activities, (ii) Youth Against Dirt and

Disease Camps, (iii) enrolment of students and (iv) amendment to O. 183A regarding exemption to the students of NSS from NSS Activities like other activities of Physical Education Training/NCC.

14. Selection Committees

	<i>Number of Meetings</i>	<i>Number of Candidates recommended</i>
(1) Selection Committee appointed under Section 48(2) of the Act—for Professors/Readers' Posts	10	11
(2) Selection Committee for Junior Posts	53	64
(3) Selection Committee for Class III Posts	15	15

15. Committee to select wardens

The Committee met on 8th July, 1974 and recommended a panel of 5 teachers for appointment as Wardens of Halls of Residence.

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

The Committee met on 14th October, 1974 and 3rd February, 1975. The total amount of help given to students by way of tuition fees, examination fees, books, educational materials, loans, etc. during the year 1974-75 was Rs. 43,923/-.

17. Central Examination Reform Committee

The Committee met twice during the year and made the following recommendations:

- (i) The University may adopt a phased programme of continuous internal assessment in different post-graduate departments. The departments may prepare a phased programme for increase in weightage of internal assessment and eventually may try to reach the target of complete internal assessment system. The Departments which have at present cent per cent internal assessment system may move in the direction of evaluation and strengthening their system.
- (ii) The system of the Question Bank is not quite appropriate and relevant in a unitary and a teaching University.

- (iii) A proposal be sent to the University Grants Commission to sanction 10 Technical Assistants—One for each of 10 Faculties of the University.
- (iv) The teachers of the Department should have complete freedom to work out their own programme and procedures of examination reforms best suited to them and the focus in the Examination reform should be the improvement of teaching learning process and in no way standards are to be compromised for examination reforms.
- (v) A beginning be made in direction of reforms from post-graduate level and that ways and means be explored for gradual introduction of internal assessment upto atleast 50% at the masters' degrees.
- (vi) At undergraduate degree and diploma courses examinations other than final, a failed candidate be exempted from appearing in those heads of passing in which he has already obtained marks as per minimum standard prescribed for pass at the examination, and that he be not considered eligible for award of class.

CHAPTER VI—RESEARCH WORK IN THE UNIVERSITY

During the year under report 91 new students (10 in Faculty of Arts, 34 in Faculty of Science, 1 in Faculty of Commerce, 37 in Faculty of Education and Psychology, 1 in Faculty of Home Science, 3 in Faculty of Medicine, 3 in Faculty of Technology and Engineering, 1 in Faculty of Fine Arts and 1 in Faculty of Social Work) were registered for the Ph.D. degree.

During the year 1974-75 the number of old students actively pursuing the Ph.D. research work in various Faculties is as under:

Faculty	Number
Faculty of Arts	59
Faculty of Science	77
Faculty of Commerce	7
Faculty of Education and Psychology	80
Faculty of Home Science	4
Faculty of Medicine	13
Faculty of Technology and Engineering	8
Faculty of Law	3
Faculty of Fine Arts (including Music College)	6
Faculty of Social Work	1
Total	258

2. Research Schemes financed by the University

Sr.No.	Department	Research Scheme
Faculty of Arts		
(1)	Gujarati	Publication of late Shri B. K. Thakore Series.
(2)	Economics	Trend of Government Activity in India since Independence.
Faculty of Science		
(3)	Botany	Investigations on the effects of magnetic fields on life process.
(4)	Chemistry	(i) Reactivity of co-ordinated Ligands in metallic complexes.

Sr.No.	Department	Research Scheme
(5)	Physics	(ii) Nitrogen Mustards from 9-Chloromethyl Phenanthrene derivatives as anti-cancer agents. (i) Microtopography of Crystal Surfaces. (ii) Study of absorption spectra of some diatomic molecules.
(6)	Geology	(iii) Study of the quantum field theory of Tachyons. (i) Paleocology in relation to the depositional environments of the Mesozoic of Kutch. (ii) Metamorphic and Structural studies of the rocks laying between Balaram and Kanpur area, NE of Palanpur, North Gujarat.
(7)	Zoology	(i) Studies in Reproductive Physiology. (ii) Experimental Studies on the behaviour of the House Swift Apus Affinis.
Faculty of Education and Psychology		
(8)	Psychology	The M. S. University and Community—a psychological study of their perceptions and expectations.
Faculty of Medicine		
(9)	Clinical Chemistry	Serum protein, immunoglobulins and haemoglobin studies in the neonatal infants.
(10)	Plastic Surgery	Study of the electrolyte contents of normal skin sears and keloids in Gujarat.
(11)	Gynaecology	Study of the Outcome of Graduates from Medical College.
Faculty of Technology and Engineering		
(12)	Applied Chemistry	(i) Chelating Polymers. (ii) Mesomorphism and Chemical Constitution.
(13)	Applied Physics	Ultrasonic absorption and velocity in doped metal crystals and alloys.
(14)	Applied Mechanics	(i) Dynamic responses of highway bridges using finite elements. (ii) Consolidation Characteristics of Clays.
(15)	Metallurgical Engineering	Influence of Carsil-9 on CO ₂ /Silicate process of mold and core making.
Faculty of Social Work		
(16)	Social Work	A proposal for Library Research Compilation of Case Records in Social Work.

Department	Title	Name of the Financing Agencies
	(v) Factors affecting caroteno-genesis in moulds	C.S.I.R.
	(vi) Studies on spore germination with special reference to chemical inhibitors	C.S.I.R.
	(vii) Fermentative production of cellulases from Fungi and their characterization	C.S.I.R.
	(viii) Post-harvest Physiology of Mango	U.S.D.A. PL-480
	(ix) Studies on Carotene Biosynthesis by <i>Blackeslea trispora</i>	U.S.D.A. PL-480
Zoology	Histophysiological Studies on wound healing and repair in certain peripheral and visceral organs of diabetic animals	G.S.I.R.C.
Faculty of Technology and Engineering		
Applied Physics	Ultrasonic velocity and absorption in Mixed liquid crystals	U.G.C.
Applied Chemistry	(i) Utilization of Gossypole	G.S.I.R.C.
	(ii) Pyrolysed polychelates	C.S.I.R.
Faculty of Home Science		
Child Development	Production and Mediation deficiency in Children's free recall	N.C.E.R.T.
Medical College		
Psychiatry	Psychological Complication associated with Sterilization by Salpingectomy	U.G.C.

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)	Dr. B. B. Patel	6-3-1975	Wages and Incomes : Policy
		7-3-1975	Labour Problems in India (2 Lectures)
(2)	Professor P. R. Brahmanand	12-3-1975	Current Economic Situation
(3)	Professor Hedley Bull	13th, 14th and 15th February, 1975	(i) Patterns of Power in Asia : The Kissinger Model (ii) The Future of the Nation : State System (iii) New Directions in Australia's Foreign Policy (iv) The Study of International Relations in Indian Universities : An Australian Academician's Impressions
Faculty of Science			
(4)	Dr. Balaz R.	19-10-1974	Development of the central nervous system
(5)	Dr. Sambasivan	27-10-1974	Development of the central nervous system
(6)	Dr. Krishnamurthy	14-12-1974 and 16-12-1974	Cyclic AMP, Amebiosis

Sr.No.	Name of the Lecturer	Date	Subject
(7)	Dr. V. C. Shah	25-2-1975	Studies in nucleic acids of isolated chloroplasts
(8)	Dr. S. K. Chatterjee	18-3-1975	Biochemistry as a tool in the occupational health
(9)	Professor J. J. Ghosh	19-3-1975	Modern trends in cannabis research and its international implications
(10)	Professor J. J. Shah	7-2-1975	Axillary Buda in some Dicotyladons
(11)	Dr. Rambhai Patel	7-2-1975	Test of Significance in Biological Experiments
(12)	Dr. K. S. Valdiya	26-2-1975	Tectonic framework of Tethys and Great Himalayas
(13)	Dr. W. Szybalaki	30-12-1974	Control of initiation of DNA replication in lambda
(14)	Dr. L. Gorini	December, 1974	Enzyme Regulations
(15)	Dr. N. M. Vartak	22-1-1975	Some applications of Operation Research
		23-1-1975	
		and	
(16)	Dr. R. C. Patel	25-1-1975	
		15-2-1975	(i) Insect Pest and Control (ii) Medical Entomology
(17)	Dr. Bruce Johnson	21st, 22nd 23rd and 24th February, 1975	(i) Neurosecretion in Invertebrates (ii) Wing Polymorphism in Aphids (iii) Animal Behaviour as an integral part of Zoology (iv) Chemical Communication in Animal (v) Education in China
Faculty of Medicine			
(18)	Dr. K. N. Dastur, Dr. J. M. Desai, Dr. J. H. Mehta and Dr. R. L. Shah	18th, 19th 20th June, 1974	A lecture and panel discussion on open Cardiac Surgery

Sr.No.	Name of the Lecturer	Date	Subject
(19)	Dr. A. P. Kenny	23-11-1974	Contribution of Chemical Pathology to Medicine in a General Hospital

Faculty of Technology and Engineering

(20)	Professor Kudchadkar	2-5-1974	(i) Vapour liquid Equilibrium (ii) Anomolous behaviour of Methanol, Methylene Chloride System
(21)	Professor P. C. P. Bhat	20-1-1975	(i) Non-numerical aspects of Computer Data Processing (ii) Planning a University computing facility
(22)	Professor S. N. Sharma	24-3-1975	Pharmacy

College of Indian Music, Dance and Dramatics

(23)	Professor V. K. Singh	20th, 21st and 22nd February, 1975	Yogic exercises for body relaxation and concentration
(24)	Shri Bhimrajji	13-3-1975	Lecture Demonstration on Kathak Dance

(B) Lectures under Extra Mural Grant or other Schemes

As a measure of economy, this year the programme of inviting outside lecturers under the Extra Mural Grant was suspended. Some of the Faculties and Institutions invited the lecturers from the Faculty/Institutions' budgets earmarked for the year 1974-75:

Sr.No.	Name of the Lecturer	Date	Subject
Faculty of Arts			
(1)	Dr. B. K. Thaper	31-3-1975	Excavation at Kalibangan
(2)	Dr. (Smt.) Sharda Srinivasan	6-9-1974	Relation between Karnatak and Gujarat
(3)	Smt. Malvikaben Patel	18-7-1974	Cost Benefit Analysis in Education
(4)	Professor B. V. Mehta	27-9-1974	Current Economic Scene

Sr.No.	Name of the Lecturer	Date	Subject
(5)	Professor B. S. Minhas	16-12-1974	Strategy of Development
(6)	Professor J. C. Sandesara	29-1-1975	Slackening of Industrial Growth —Reasons and Remedies for Cure
(7)	Dr. Ghanshyam Shah	24-4-1974	Recent Political Events in Gujarat and their Implications
(8)	Professor A. H. Somjee	17-1-1975	The Process of Democratic Politics in Anand

Faculty of Science

(9)	Professor J. K. Patel	10-8-1974	Anatomy and Physiology of Eye
(10)	Professor Trivedi	17-8-1974	Goitre
(11)	Professor Bhatt	24-8-1974	Anatomy and Physiology of Re- production
(12)	Dr. B. J. Dave	4-10-1974	Functions of Thyroid
(13)	Professor Kenny	28-11-1974	Quality Control in Clinical Che- mistry
(14)	Dr. Mallikarjuneswar	17-12-1974	New Electro Chemical factor in mammalian concept and contra- ception
(15)	Dr. G. V. Merchant	28-12-1974 and 7-3-1975	Bone Metabolism
(16)	Dr. Haiti	10-1-1975	Peroxidases in Thyroid Gland
(17)	Shri M. R. Shastri	18-12-1974	Analytical methods for quality control of drugs
(18)	Dr. Sukumar Malti	22-10-1975	The New Chemistry—The Che- mistry of big Molecules
(19)	Shri Vaidyanathan	30-7-1974	Chemistry and Technology of Paints
(20)	Dr. J. D. Joshi	13-2-1975	The effect of metalligand bond in binary and ternary complexes
(21)	Shri B. V. Kamath	18-1-1975	Ultraviolet Absorption Spectra: Some substituted Benzoic Acids

Sr.No.	Name of the Lecturer	Date	Subject
Faculty of Technology and Engineering			
(22)	Shri K. J. Divetia	4-9-1974	Pharmacy as a Career
(23)	Shri C. J. Shah	16-9-1974	Problems of Water Supply in different Cities in Gujarat
(24)	Dr. R. M. Dave	23-9-1974	Water Resources and Environ- mental Evaluation
(25)	Dr. C. R. Shah	21-10-1974	Design of well point system for repairs of water supply works
(26)	Mr. John Frinch	17-12-1974	(i) Environment and Water Resources
		8-1-1975	(ii) Toxicity and Waste Treat- ment
(27)	Dr. L. F. Boswell	6-1-1975 to 11-1-1975	Finite Element Techniques for Engineering Analysis

CHAPTER VIII—FACULTY OF ARTS

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

1. Number of Students

The number of students enrolled in various classes during the year 1974-75 was as under :

Class	Men	Women	Total
(1) Certificate Course in German	274	31	305
(2) Certificate Course in Russian	—	—	—
(3) Certificate Course in French	67	10	77
Total :	341	41	382
(4) Diploma in Russian	5	—	5
(5) Advance Course in Russian	—	—	—
(6) Diploma in German	38	4	42
(7) Advance Course in German	8	3	11
Total :	51	7	58
(8) F.Y.B.A.	901	481	1,382
(9) S.Y.B.A.	605	338	943
(10) T.Y.B.A.	315	273	588
(11) Library Science—Degree	16	31	47
Total :	1,837	1,123	2,960
(12) M.A. Part I	146	91	237
(13) M.A. Part II	119	98	217
Total :	265	189	454
(14) Ph.D.	4	7	11
Grand Total :	2,498	1,367	3,865

2. Staff

(a) Present Position :

During the year, the staff consisted of 11 Professors (three of whom are in senior scale), 21 Readers, 66 Lecturers, 6 Assistant Lecturers, 2 Part-time Lecturers, 2 Honorary Lecturers, 21 Class III Staff including Technicians and

23 Class IV employees. The teachers of the Faculty carried out assignments in other Faculties and Institutions where Humanities and Social Sciences are included in their courses.

(b) Teachers who left the University :

Dr. B. B. Patel, Kumari S. S. Kanetkar and Dr. B. H. Dholakia—Lecturers in Economics.

3 Professional Growth of the Staff

(a) Publication of articles/papers :

Name	Title of the Paper	Journal in which published
(1) Professor R. N. Mehta	(i) ગુજરાતનાં તીર્થસ્થાનો	સંતસૌરભ, મ. સ. યુનિ.
	(ii) વડોદરાનાં દેવસ્થાનો	”
	(iii) ભારત અને રશિયા	I.S.C.U.S., Souvenir
	(iv) Sand Stone Mines of Nathkuva	Visvesvaranand
(2) Dr. K. T. M. Hegde	The Chronology of late Quaternary Events in Gujarat and Rajasthan	Proceedings of the Tenth Congress of the International Quaternary Association, Christ Church, Newzeland, 1974
		Surbharati, 1974
(3) Professor A. N. Jani	(i) Vani-Vandana (Poem in Sanskrit)	L. D. Arts College, Magazine, Ahmedabad
	(ii) Kalidasa's Philosophy of Life	“Santa-Saurabha”, Souvenir published by the M. S. University, Baroda
	(iii) Shivananda Shastri, Shaktasampradaya	Dr. A. D. Pusalkar Commemoration Volume, Delhi
(4) Dr. S. G. Kantawala	(i) Loan Words in Twentieth Century Sanskrit Literature	Journal of the Oriental Institute, Vol. XXIII, Nos. 1 & 2, September, December 1973 published in 1974
	(ii) A review on Anarakali—by Dr. V. Raghavan	Santa Saurabha, M. S. University of Baroda
	(iii) Shrimad Bhagavadgita	‘Navabharati’, Diwali Issue of the Rigvedic Ashwins (in Gujarati)
	(iv) Some wonder works of the Rigvedic Ashwins (in Gujarati)	

Name	Title of the Paper	Journal in which published
(5) Shri S. M. Dave	(1) Dwisahasri (Shri Gurucharitrakavya ni Divyata in Gujarati)	"Shri Rangadarshana", No. 11, November, 1974.
	(2) Shri Gurucharitranu itivrutta (in Gujarati)	Shri Rangadarshana, No. 12 December, 1974
	(3) Shri Vasudevananda Saraswati Swami Maharaja—His Life and Works	"Santa Saurabh", M. S. University
	(4) Vedanta Darshana	"Santa Saurabha", M. S. University
(6) Smt. S. S. Deshpande	Jainadharma Darshana (in Gujarati)	"Santa Saurabha", M. S. University
(7) Professor J. Birji Patil	(i) A Note on Recent Criticism of T.S. Eliot	I.J.A.S., Hyderabad, February, 1975
	(ii) The Waste Land Revisited	Quest, Bombay, January, 1975
(8) Professor R. N. Mehta	Cables Handling of the Political Theme in the Grandissimes	Indian Studies in American Fiction, Karnataka University Press, 1974
(9) Dr. R. M. Patel	(1) पद्यवार्ता : स्वल्प अने विशिष्टताया	गुजराती साहित्यने धतिडास
	(2) गुजराती साहित्यमां मौक्तिके	"स्त्री लवन" द्वेषुआरी, १९७५
	(3) मडिर्षि अरविह धाप	संत सौरभ, मार्च, १९७५
(10) Dr. S. H. Joshi	(1) अधतन कवितामां भाषा	"कंकावटी", नन्युआरी, १९७५
	(2) स्वातंत्र्य विवेचन	"क्षार्णस" त्रैमासिक, मार्च, १९७५
	(3) संत विनोया भावे	संतसौरभ ग्रंथ, मार्च, १९७५
(11) Dr. H. M. Trivedi	(1) पून्य श्री मोटा	संतसौरभ ग्रंथ, मार्च, १९७५
	(2) देवे साडेण	संतसौरभ ग्रंथ, मार्च, १९७५
(12) Shri I. A. Dave	पून्यश्री नारायणु स्वामी,	संतसौरभ ग्रंथ, मार्च, १९७५
(13) Dr. S. M. Dave	(1) पू. रंग अवधूतल	संतसौरभ ग्रंथ मार्च १९७५
	(2) "विक्रमचरितरास"—अंक दृष्टि	"स्वाध्याय" त्रैमासिक
	(3) "कृष्णलीलाकाव्य" अने "दशम स्कंध"	"
(14) Shri N. C. Desai	(1) अण्णा अंगे संहर्षसूचि	"साहित्यकार अण्णा" ग्रंथ, डिसेम्बर, १९७४

Name	Title of the Paper	Journal in which published
(15) Kum. P. M. Parikh	(2) पू. गो. श्री प्रबुधुपुलालल पू. श्री नारायणु परमडंस	"संतसौरभ ग्रंथ-मार्च १९७५"
(16) Shri M. M. Desai	(1) पू. श्री रविशंकर मडाराण	"
	(2) ज्ञानी कवितुं लज्जितनिष्पणु	"साहित्यकार अण्णा" ग्रंथ, डिसेम्बर-१९७४
(17) Dr. M. G. Gupta	(1) वृजनी रासलीला अने रास-धारीयो	लोक गुजरी, मार्च, १९७४
	(2) विनयपत्रिका में प्रतिफलित भारतीय संस्कृति और समाज	विक्रम युनि. जर्नल, दि. १९७४
	(3) रामायण में राज्यादर्श और राज्यव्यवस्था	जीवन विनीत, जून, १९७४
	(4) मामाशाह खण्डकाव्यकी समीक्षा	मार्च, १९७५
(18) Dr. B. D. Sharma	(1) अवंती प्राकृत	म. प्र. संदेश, ग्वा. मई १९७४
	(2) मालव एवं सांस्कृतिक परिवेश	म. प्र. संदेश, ग्वा., नवम्बर १९७४
	(3) मैलाऑचल का पवंती कथा-साहित्य	वीणा, इन्दौर दि. १९७४
(19) Shri J. K. Vyas	(1) गुजरात के अज्ञात हिंदी कवि श्रीमन् नृसिंहाचार्य	वीणा, सित. १९७४
	(2) करुणासागर	संतसौरभ, एम. एस. युनि. पब्लिकेशन
(20) Shri R. N. Talati	श्रीमद् राजचन्द्र: व्यक्तित्व एवं कृतित्व	संतसौरभ, एम. एस. युनि. पब्लिकेशन
(21) Professor S. C. Misra	Mobility in Pre-Mughal Period	Indian Historical Review Vol. I—No. 1
(22) Professor A. P. Rana	The 'Detente' and Non-alignment : A Conceptual Study	Special Issue on 'The Detente' Journal of the Jawaharlal Nehru University, New Delhi—October, 1974
(23) Dr. A. S. Bhatt	(i) Caste, Class and Politics : An Empirical Profile of Social Stratification in Modern India	Silver Jubilee Issue, Department of Political Science, University of Rajasthan, January-December, 1974
	(ii) Penetration of Public Authorities in Rural India	'Administrative Change', January-March, 1975, University of Rajasthan

Name	Title of the Paper	Journal in which published
(24) Professor A. G. Javadekar	(i) परिसर विज्ञानका तात्त्विक अध्ययन (ii) Principles of Ecology and Dharmashastra (iii) Professor Hiriyanna's Philosophy of Values	दार्शनिक त्रैमासिक June, 1974, Jaipur Special Number, Hindutva Bombay, 1974 Issue of Mysore Orientalist, Mysore
(25) Dr. K. C. Panchanadikar and Dr. (Smt.) J. Panchanadikar	Local Self-Government in India—its Beginnings and Growth	Journal Rivista, 1974 and Journal of the EL Colejo de Mexico
(26) Dr. (Smt.) J. Panchanadikar	Some Theoretical Aspects of Untouchability — An analytical note	Removal of Untouchability in Gujarat—published by the University School of Social Sciences, Gujarat University
(27) Shri P. J. Patel	Comments on Nirmal Singh's 'Alienation and Commitment of Indian Youth'	Sociological Papers of the XII All India Sociological Conference, held at B.H.U. Varanasi, October, 1974
(28) Professor V. N. Kothari	કુળાને અને આર્થિક વિકાસ	વ્યાપાર, દ્રીવાલી સ્પેશિયલ ઇસ્યુ નં. ૧૦૦, ૧૨-૧૧-૧૯૭૪
(29) Dr. M. M. Dadi	(i) Variations in Labour Force Participation—An Inter Regional Analysis (ii) Wage Share in Organised Manufacturing Industries, 1945-65	Indian Journal and Industrial Relations, July, 1974 Productivity, April-June, 1974

(b) Publication of Books/Brochures :

Name	Title	Publisher
(1) Dr. S. H. Joshi	અર્વાચીન સંદર્ભમાં સાહિત્યનો આભાસ	“અધીત” ગ્રંથ, નવેમ્બર, ૧૯૭૪
(2) Dr. P. N. Jha	The Linguistics Foundations of Human Knowledge	M. S. University of Baroda

Name	Title	Publisher
(3) Dr. (Kum.) S. Divetia	Linguistic Philosophy and Other Essays	Good Companions, Baroda, January, 1975
(4) Dr. B. H. Dholakia	The Sources of Economic Growth in India	Good Companions, Baroda, July, 1974
(5) Smt. V. A. Janki	Some Aspects of the Historical Geography of Surat	M. S. University Geography Research Series No. 7, August, 1974

(c) Participation in Conferences/Seminars etc. :

Name	Conference	Title of the Paper - Contribution
(1) Professor S. C. Misra	USEFI Seminar, Waltair, January, 1975	Democracy
(2) Professor M. B. Desai	Gujarat Economic Conference, Ahmedabad, November, 1974	Presidential Address on “Rural Weaker Sections”
(3) Professor R. N. Mehta	(i) VII Annual Conference of Archaeological Society of India, New Delhi (ii) All India Oriental - Congress, Archaeology Section, Kurukshetra (iii) Pre-History Society of India, New Delhi (iv) Seminar of the Museum Association of Gujarat, Ahmedabad (v) Urban History Seminar at Baroda	Archaeology and Living of Towns Presidential Address Pre-History of Champaner Museum Education and Research Urban Surat - an archaeological, topographical and toponymical perspective
(4) Dr. K. T. M. Hegde	VII Annual Conference of Indian Archaeological Society, New Delhi, January, 1975	Pre-history and Environment Change in Western India
(5) Dr. B. H. Dholakia	Gujarat Economic Conference, Ahmedabad, November, 1974	Estimates of work force in Gujarat—An Analysis of the 1971 Census Data

Name	Conference	Title of the Paper Contribution
(6) Professor A. N. Jani	27th Session of All India Oriental Conference, Kuru- kshetra 26, 27, 28 De- cember, 1974.	Sanskrit, its past, present and future (Presidential address at the classical sec- tion)
(7) Dr. S. G. Kantawala	27th Session of All India Oriental Conference, Kuru- kshetra 26, 27, 28 De- cember, 1974.	Pururava—Urvashi Episode —A Study in Vedico-Pura- nic Correlates.
(8) Dr. (Kum.) S. A. Nach- ane	27th Session of All India Oriental Conference, Kuru- kshetra 26, 27, 28 De- cember, 1974.	Pramanas used by Shankara- charya in his Brahmasut- rabhashya.
(9) Smt. S. S. Deshpande	27th Session of All India Oriental Conference, Kuru- kshetra 26, 27, 28 De- cember, 1974.	A comparative and critical study of the interpretation of Karmayoga in the Bhaga- vadgita by Shankaracharya and Ramanujacharya.
(10) Professor J. Birje Patil	(i) All India Seminar on Research Methods, at American Studies Research Centre, Hyderabad, 13th to 15th February, 1975. (ii) Conference of Com- monwealth Writers, India International Centre, New Delhi, 26th to 29th Febru- ary, 1975.	The case of the Deliquescent Dissertation. (i) Shipwrecks and Sandal- wood. (ii) The theme of displace- ment in Raja Rao and Naipaul.
(11) Shri D. D. Mahulkar	All India Linguistics Con- ference, New Delhi.	Semantics in recent Linguis- tics.
(12) Prof. A. G. Javdekar	Akhil Bharatiya Darshan Parishad, Poona, Novem- ber, 1974.	Inaugurated the symposium on ' Manava-Samata '
(13) Professor A. P. Rana	South Asian Colloquim on World Order Studies, New Delhi, September, 1974.	World Order and Trans- national Foreign Policies.

Name	Conference	Title of the Paper Contribution
(14) Dr. (Smt.) J. Panchanadikar	Seminar on " Urban His- tory, Surat " at Baroda, July, 1974.	Chaired one Session.
(15) Kum. Bharati Desai	Seminar on " Urban History, Surat " at Baroda, July, 1974	Participated
(16) Professor K. C. Panchanadikar	Oriental Study Centre EL Colegio de Mexico, August, 1974	Theory of Systematic Structure and Change in Modern Sociology
(d) Talks :		
Name	Institution	Subject
(1) Dr. K. T. M. Hegde	Deccan College, University of Poona	Production techniques of the Painted Grey Ware and Northern Black Polished Ware
(2) Professor A. N. Jani	(i) L. D. Arts College, Gujarat University (ii) Savali College, Savali (iii) Aryakanya Maha- vidyalaya, Baroda (iv) Shuddhadvaita-Sabha,	Kalidasa's Philosophy of Life Sanskrit Literature
	(v) Dattamandala, Jambusara (vi) Theosophical Society, Baroda (vii) Dattamandir, Baroda	Sanskrit Day Greatness of Shri Ranga Avadhuta Significance of the Durgasaptashati Concept of Dattatraya.
(3) Dr. S. G. Kantawala	(i) Sahityabhasha and Vishvabhasha Bhavan, Rajkot (ii) Reva Theosophical Lodge, Baroda	A Study of Foreign and Indo-European Languages Puranic Religion
(4) Professor V. N. Kothari	(i) B. K. Patel Arts and Smt. L. M. Patel Commerce College, Savli, 13-12-1974	Inflation and Economic Growth

Name	Institution	Subject
	(ii) Commerce College, Dabhoi, 17-12-1974	Inflation : Causes and Cures
	(iii) Department of Economics, South Gujarat University, Surat, 23-12-1974	Institutional and Real Factors in Agriculture
(5) Dr. M. M. Dadi	Sardar Patel Institute of Economic and Social Research, Ahmedabad	Ten Lectures on "Estimation and Testing of Econometric Models"
(6) Dr. B. H. Dholakia	(i) Indian Institute of Management, Ahmedabad, 21-12-1974	Residual Factor and Economic Growth in India
	(ii) Valiya Arts and Commerce College, Bhavnagar, 3-1-1975	Recent Inflation—Causes and Remedies
	(iii) Gandhi Mahila College, Bhavnagar,	The Approach to Planning in India and its Defects
	(iv) Bhavnagar Economic Association, Bhavnagar, 3-1-1975	The Factors in India's Economic Development
(7) Professor S. C. Misra	School of Social Sciences, Gujarat University, Ahmedabad	Genesis of Pakistan
(8) Professor J. Birje Patil	(i) Osmania University, P.G. Centre, Warangal A.P., November, 1974	T. S. Eliot as Critic
	(ii) Vikram University, Ujjain, M.P., November, 1974	Is Modern Poetry Really Difficult ?
(9) Dr. R. M. Patel	પ્રેમાનંદ સાહિત્ય સભા, વડોદરા	(૧) કવિ કલાપી (૨) કવિ દયારામ
(10) Dr. S. H. Joshi	(i) Indian National Theatre, Bombay September, 1974	(૧) ઈથોનેસ્કોનો એકાંકી
	(ii) S.N.D.T. University, Bombay	(૨) ટૂંકી વાર્તાની બદલાતી વિકાસનાઓ

Name	Institution	Subject
	(iii) Bhavnagar College, November, 1974	(૩) કવિ અને લોકપ્રિયતા.
	(iv) Municipality, Porbandar, January, 1975.	(૪) અર્વાચીન સંદર્ભમાં સાહિત્યનો ઇતિહાસ
	(v) Bharatiya Vidyabhavan, Bombay, November, 1974.	(૫) અર્વાચીન સાંસ્કૃતિક સંદર્ભ
(11) Dr. S. M. Dave	પ્રેમાનંદ સાહિત્ય સભા, વડોદરા.	(૧) કવિ દયારામ (૨) મારુ' પ્રિય પુસ્તક
(12) Shri M. M. Desai	(i) સ્વાધ્યાય મંડળ, વડોદરા સપ્ટેમ્બર, ૧૯૭૪	કવિ કલાપી
	(ii) વિવેકાનંદ વિદ્યાલય, વડોદરા, બન્યુચ્ચારી, ૧૯૭૫.	વિવેકાનંદના ધર્મવિચાર
(13) Dr. M. G. Gupta	(i) Gujarat University Post-graduate Centre, Nadiad, September, 1974	(૧) કવીરકા રહસ્યવાદ
	(ii) Lions Club, Rajpipla, December, 1974	(૨) ભારતીય સાહિત્યની સાંસ્કૃતિક ચેતના
	(iii) Arts and Science College, Rajpipla, December, 1974	(૩) રામ કાવ્યધારા (હિન્દી)
	(iv) V. S. Patel Arts and Science College, Bili-mora	(૪) આધુનિક હિન્દી (૧) સાહિત્યની યુગ ચેતના (૨) મધ્યકાલીન કાવ્યની કલા ચેતના
(14) Shri R. N. Talati	Premanand Sahitya Bhavan	(૧) મેરી પ્રિય પુસ્તક વિનય પત્રિકા (૨) તુલસી કા પ્રદેય
(15) Shri D. D. Mahulkar	School of Languages, Ahmedabad	Recent Trends in Linguistic Studies
(16) Smt. B. V. Modi	Dohad College, Dohad	Approach to Linguistics
(17) Professor A. P. Rana	Bhauasaheb Hiray Research Institute of Politics and Economics, Poona	3 Lectures on Nationalism and Globalism in India's Foreign Policy Behaviour: The need for Reorientations in Outlook

(e) Participation in Inservice Programmes.

Name	Programme	Capacity
(1) Dr. K. T. M. Hegde	Annual Conference of Museum Association of Gujarat, Ahmedabad, September 1974	Speaker on Conservation
(2) Professor J. Birje Patil	All India Seminar on American Drama, U.S.I.S., Bombay, January, 1975	Participant
(3) Professor R. N. Mehta	All India Seminar on American Drama, U.S.I.S., Bombay, January, 1975	Chaired a Session on Edward Albee
(4) Smt. Ranu Vanikar	All India Seminar on American Drama, U.S.I.S., Bombay, January, 1975	Participant
(5) Shri O. M. Joneja	British Council Seminar on English Literature, Poona University, January, 1975	Participant
(6) Dr. K. N. Reddy	Gujarat Government Panel for Financial Resources	Acted as Chairman for drafting a Report on "The Criteria for Central Assistance to States"
(7) Dr. M. M. Dadi	U.G.C. sponsored advanced course in Economic Growth at Osmania University, Hyderabad during October-November, 1974	Participant
(8) Dr. B. H. Dholakia	U.G.C. sponsored advanced course in Economic Growth at Osmania University, Hyderabad during October-November, 1974	Participant
(9) Dr. M. G. Gupta	(i) All India Hindi Professors' Convention at Vallabh Vidyanagar, June, 1974 (ii) Manas Chatushati by Premanand, January, 1975	Participant Presided over the function

(f) Research Work :

Name	Subject
(1) Professor R. N. Mehta and the Staff of Archaeology Department	(i) Excavation at Champaner (ii) Explorations in Kaira and Panchmahal Districts (iii) Field analysis of the accidental discoveries in Kathiawad Diwanji's Wada
(2) Professor R. N. Mehta and Dr. S. G. Kantawala	Prabhas Khand
(3) Dr. K. T. M. Hegde	(i) Studies in Ancient Indian Ceramics (ii) Studies in Pleistocene soils and other related deposits
(4) Dr. (Smt.) D. R. Shah	Animal remains from Lal Quila
(5) Professor A. N. Jani	(i) Dattatreya-mala-mantra, a critical study (ii) A critical text of 4th and 5th cantos of Sahitya Vidyadhari (iii) A course in Sanskrit on the line of "Learn while you sleep method", Popular in Europe and America
(6) Dr. S. G. Kantawala	(i) Correlative study in the vedic and puranic literature with reference to some legends (ii) Puranas
(7) Shri S. N. Dave	(i) Shri Vasudevananda (ii) Saraswati Swami Maharaj: His life and works
(8) Professor J. Birje Patil	(i) Monograph completed—19th Century Itinerant English writers in India (ii) The Action of Shakespeare Tragedy
(9) Dr. K. N. Reddy	(i) Inter-State Tax-effort (ii) Determinants of State Expenditures
(10) Dr. M. G. Gupta	Critical editing of an old work of Hindi composed in 1395 A.D.
(11) Professor A. P. Rana	The Systemic Dimensions of India's Foreign Policy Behaviour
(12) Dr. Thomas Pantham	Institutionalization of Democracy in India

Name	Subject
(13) Dr. Anil Bhatt	Baroda's Experiment in Urban Decentralization : An Exploratory Study
(14) Professor A. G. Javdekar	Philosophy of Ecology

4. Extra Curricular Activities

The Society of Archaeology and Culture, the Economic Society and the Sociology Students' Association carried out their usual activities such as entertainment programmes, study tours, study circles, etc. The Shakespeare Society staged Edward Albee's 'The Zoo Story' and Eugene Ionesco's 'The Bald Soprano' in December, 1974. In February, 1975, it put up Arthur Miller's 'A View from the Bridge' and Philip King's 'See how they Run'.

5. Museum

A special exhibition of the Cultures of Champaner was organised at the field camp from 6th February to 14th May, 1975 for the purpose of training the students for guide lecturing work.

6. Faculty Publication

The Faculty Magazine for the year 1974-75 was published.

7. Visitors

Professor B. S. Minhas, Professor, Indian Statistical Institute, New Delhi (former member of the Planning Commission) visited the Faculty on 16th December, 1974 and delivered a lecture on 'Strategy of Development'.

CHAPTER IX—FACULTY OF SCIENCE

1. New Course

A Diploma Course in Military Science is started during the year. Only those students who produce the evidence of having satisfactorily completed one year of Senior Division of N.C.C. are eligible for admission.

2. Number of Students

The number of men and women students on roll in the various classes in the year 1974-75 was as under :

Class	Boys	Girls	Total
(1) Diploma in Laboratory Techniques			
1st year	5	3	8
2nd year	9	1	10
(2) Diploma in Military Science :			
1st year	34	—	34
Total :	48	4	52
Pre-Medical	109	31	140
F.Y.B.Sc.	532	172	704
S.Y.B.Sc.	316	113	429
T.Y.B.Sc.	152	101	253
Total :	1109	417	1526
M.Sc. (Previous)	142	48	190
M.Sc. (Final)	123	59	182
M.Sc. (Appl. Geol.)	2	—	2
Total :	267	107	374
Ph.D.	51	12	63
Grand Total :	1475	540	2015

3. Staff

(a) Present Position :

The staff of the faculty consisted of 14 Professors (four of whom are in the senior scale), 27 Readers, 150 Lecturers, 120 Class III and 82 Class IV employees. The teachers of the Faculty carried out teaching assignments in other Faculties and Institutions of the M. S. University where Science subjects are included in their courses, e.g. Preparatory Unit for Science, Faculty of Arts and Faculty of Commerce.

(b) *New appointments :*

- | | |
|---------------------------|--------------------------|
| (1) Dr. V. M. Shah | Professor of Mathematics |
| (2) Dr. M. M. Patel | Professor of Physics |
| (3) Shri K. P. Lulla | Lecturer in Botany |
| (4) Shri Y. G. Gaekwad | } Lecturers in Chemistry |
| (5) Dr. (Kum.) H. S. Rana | |
| (6) Shri A. P. Prajapati | Lecturer in Physics |
| (7) Dr. G. R. Pandya | Lecturer in Statistics |
| (8) Shri K. N. Shah | Lecturer in Zoology |
| (9) Shri S. T. Patel | |

(c) *Teachers who left :*

- | | |
|-----------------------|---------------------------|
| (1) Dr. D. K. Mainigi | Lecturer in Bio-Chemistry |
|-----------------------|---------------------------|

4. Professional Growth of the Staff

(a) *Publication of Articles/Papers*

Sr. No.	Author	Title	Journal
(1)	R. Rajalakshmi M. Parameswaran S. D. Telang C. V. Ramakrishnan	Effects of moderate and severe post-weaning under-nutrition on glutamate dehydrogenase and decarboxylase in rat brain	Baroda Journal of Nutrition, No. 1, 15 (1974)
(2)	R. Rajalakshmi M. Parameswaran C. V. Ramakrishnan	Effects of different levels of dietary protein on brain glutamate dehydrogenase and decarboxylase in young rats	J. Neurochem. 23, 123 (1974)
(3)	R. Rajalakshmi M. Parameswaran S. D. Telang C. V. Ramakrishnan	Effects of undernutrition and protein deficiency on glutamate dehydrogenase and decarboxylase in rat brain.	J. Neurochem. 23, 129 (1974)
(4)	R. Rajalakshmi M. Parameswaran C. V. Ramakrishnan	Comparative effects of low protein and protein free diets on brain glutamate dehydrogenase and decarboxylase in albino rats	Baroda Journal of Nutrition No. 1, 101 (1974)

Sr. No.	Author	Title	Journal
(5)	R. Rajalakshmi, A. B. Kulkarni, C. V. Ramakrishnan	Effects of pre-weaning and post-weaning undernutrition on acetylcholin levels in rat brain	J. Neurochem, 23, 119 (1974)
(6)	R. Rajalakshmi, H. L. Nakhasi,	Effects of pre-natal and post-natal nutrition deficiency on brain lipid composition in rats.	Exp. Neurology 44, 103 (1974)
(7)	R. Rajalakshmi, H. L. Nakhasi, C. V. Ramakrishnan	Effects of pre-weaning and post-weaning deficiencies on the composition of brain lipids in rats	Ind. J. Bio-Chemistry and Bio-Physics, 11, 57 (1974)
(8)	R. Rajalakshmi, H. L. Nakhasi,	Effects of post-weaning protein deficiency on brain lipid composition in different regions of brain in rats	Ind. J. Biochemistry and Bio-Physics, 11, 307 (1974)
(9)	R. Rajalakshmi, S. Suresh Sail K. Ramchandran	Studies on the availability of carotene in leafy vegetables in adult men	Baroda J. of Nutrition, 1, 29 (1974)
(10)	S. Suresh Sail, S. M. Patel	Effect of vitamin B12 supplementation on nutritional status and psychological performance	Baroda J. of Nutrition, 1, 43 (1974)
(11)	R. Rajalakshmi	Some Nutritional problems anomalies in India	Agr. Science Rev., 11, 18 (1974)
(12)	R. Rajalakshmi, R. Subbalakshmi and K. Bhanu	Ascorbic acid metabolism during pregnancy and lactation	Baroda J. of Nutrition, 1, 117 (1974)
(13)	L. J. Parekh, V. D. Bhatt and J. N. Nankani	Nutritional and biochemical status of patients with urinary calculi	Baroda J. of Nutrition, 1, 85 (1974)
(14)	C. V. Ramakrishnan and J. N. Hansen	Oxidation of Exogenous NADH by corn mitochondria	Ind. J., Biophys. 1, 134 (1974)

Sr. No.	Author	Title	Journal
(15)	C.V. Ramakrishnan	Use of enzymes in starch industry	Jr. Sci. Ind. Res. 33, 143 (1974)
(16)	P. H. Bhatt V. P. Fadia and A. R. Mehta	Tissue Culture studies on Cucurbits IV. Effect of Nitrogen source on growth of Benincasa tissues cultured in vitro	Jour. M. S. Univ., 22-23 (3) : 1973-74
(17)	S. J. Chokshi and A. R. Mehta	Cultivation of Dioscores spp. from leaf cuttings and detection of diosgenin	Jour. M. S. Univ., 22-23 (3) : 1973-74
(18)	V. P. Fadia and A. R. Mehta	Tissue Culture studies on Cucurbits V. The effect of NAA, sucrose and kinetin on Tracheal differentiation in Cucumis tissues cultured in vitro	Phytomorphology 23 (3 and 4) : 212, 1974
(19)	A. R. Mehta	Experimental study of induced differentiation Linum root callus. in "Form, Structure and Function in Plants"	Professor B. M. Johri Commemorative Volume, September, 1974
(20)	P. H. Bhatt and A. R. Mehta	Growth and differentiation in Mechanically Isolated Mesophyll cells of Ipomoea quamoclit Linn	Can. J. Bot. 52, 2118, 1974
(21)	R. P. Bhatt and S. D. Sabnis	The forest vegetation and phytogeography of Khedbrahma region in North Gujarat	BOTANIQUE, Vol. VI (1), pp. 37-48, 1975
(22)	R. P. Bhatt	Studies on the flora in North Gujarat III. Cytology	Nucleus, Vol. XVII (i), pp. 33-39, 1974
(23)	N. V. Mani and Suresh Sethna	Studies in isoflavones, Part IV.	J. Inst. of Chemists, 1974, 46, 61.

Sr. No.	Author	Title	Journal
(24)	T. C. Thomas and Suresh Sethna	Bromination of 2-hydroxy fluorene, 2-hydroxy fluorenone and their methyl-ethers	J. Ind. Chem. Soc., 1974, 51, 814
(25)	J. S. Dave and R. A. Vora	Section on mixed liquid crystals	Book Liquid crystals and plastic crystals (Edited by G. W. Gray and P. A. Winson, London)
(26)	J. S. Dave and George Kurian	Low melting thermotropic Liquid crystals	Journal de Physique (Paris)
(27)	K. V. Masrani, H. S. Rama and S. L. Bafna	Ultraviolet absorption spectra: Some substituted benzoic acids	J. Appl. Chem. and Biotechnology (London), 1974, 24, 331.
(28)	B. V. Kamath, J. D. Mehta and S. L. Bafna	Ultraviolet absorption spectra: Some substituted benzoic acids	J. Appl. Chem. and Biotechnology.
(29)	Y. A. Shaikh and K. N. Trivedi	Studies in 4-hydroxycoumarins, Part IV. Synthesis of 5, 7, 8-trimethoxy and 5, 6, 7, 8-tetramethoxy 4-hydroxycoumarins	Ind. J. Chem., 1974, 12, 1262.
(30)	Y. A. Shaikh and K. N. Trivedi	Studies in synthesis of coumarin-X-pyrones and furocoumarins, Part XVII	J. Ind. Chem. Soc., 1974, 51, 755
(31)	K. R. Shah and K. N. Trivedi	Studies in the synthesis of furocoumarins, Part XXIII. Synthesis of substituted pyrolene from 2-bromoresorcinol	Australian J. Chem., 1974, 27, 1971.
(32)	D. O. Shah and K. N. Trivedi	Synthesis of B (coumaryl) alanine derivatives	Ind. J. Chem., 1974, 27, 1974.
(33)	D. O. Shah and K. N. Trivedi	Bromination of substituted methyl coumarins N-bromosuccinimide	J. Ind. Chem. Soc., 1974, 41, 783.

Sr. No.	Author	Title	Journal
(34)	R. R. Shah and K. N. Trivedi	Abnormal Claisen migration of 4-drenyloxy coumarins	Current Science. 1975, 44, 226.
(35)	P. C. Parikh and P. K. Bhattacharya	Studies in mixed ligands complexes, Part VIII	Ind. J. Chem., 1974, 12, 402
(36)	I. P. Mavani, C. R. Jejurkar and P. K. Bhattacharya	Isolation and characterization of mixed complexes of Ni (II), Zn (II), and Cd (II) with ethylenediamine and mono amino acid and polyphenols	Ind. J. Chem., 1974, 12, 204.
(37)	C. R. Jejurkar, I. P. Mavani and P. K. Bhattacharya	Studies in some heterochelates, Part III, Cu (II), Ni(II), Zn(II) or Cd (II)+Histidine or ethylenediamine/ + polyphenols + tetracetic acid systems	Bull, Chem. Soc., Japan, 1974, 47(5), 1280.
(38)	B. T. Thaker and P. K. Bhattacharya	Studies in some mixed schiffbase complexes	J. Inorg. Nucl. Chem., 1975, 37(2), 615
(39)	J. D. Joshi and P. K. Bhattacharya	Formation constants of amino acid complexes of Cd(II), Cu(II), Ni(II), Be(II) Zn(II) and Ag (I) and their correlation with formation constants corresponding hydroxy acid complexes	Indian J. Chem. 1975, 13, 82.
(40)	P. C. Parikh and P. K. Bhattacharya	Studies in mixed ligand complexes, Part IX.	J. Ind. Chem. Soc., 1973, 32, 804.
(41)	S. D. Desai	Dimension Stones	Mineral Wealth, Vol. 10, No. 1, Jan.-June 1974
(42)	S. D. Desai	Geological Exploration of Ground Water	Jl. of M. S. University, Baroda, Combined issue, Vol. XXII, No. 3 and Vol. XXIII, No. 3., 1973-74

Sr. No.	Author	Title	Journal
(43)	D. R. Gadekar	Sedimentary structures in Tertiary rocks of South Gujarat and their environmental significances	Proc. 62nd Ind. Sc. Cong., Pt. III, p. 69
(44)	D. R. Gadekar	A brief review of Petroleum resources of Gujarat	Bhuvingnyan, Vol. 4, No. 1-4, p. 1-19.
(45)	D. R. Gadekar	Some aspects of environmental pollution in Gujarat	Jl. of M. S. University, Baroda, Vol. XXII and Mineral resources exploration and exploitation with special reference to 1973-74
(46)	D. M. Shringarpure and Kum. G. K. Desai	On the occurrence of some Jurassic Nodosaroid foraminifera from the Manfara Dome Section of Wagad Hill Blocks, Eastern Kutch	Current Science, Vol. 44, No. 4, p. 123, Feb. 1975
(47)	J. P. Singhal	Multiple series relations involving Hermite Polynomial, II	Jour. of the M. S. Univ., Baroda, Vol. 22/23 (1973-74), pp. 127-132.
(48)	J. P. Singhal	A note on the extension of Mehler formula	Jour. of the M. S. Univ., Baroda, Vol. 22/23 (1973-74), pp. 121-125
(49)	S. R. Agrawal	On the degree of approximation of partial sums of a modified Fourier-Bessel series	Jour. of the M. S. Univ. Baroda, Vol. 22/23 (1973-74), pp. 113-120
(50)	R. K. Patel	On connection between certain summability methods as applied to orthogonal series	Jour. of the M. S. Univ., Baroda, Vol. 22/23 (1973-74), pp. 81-92
(51)	R. K. Patel	On the generalized Norlund summability of orthogonal series	Jour. of the M. S. Univ., Baroda, Vol. 22/23 (1973-74), pp. 109-112

Sr.No.	Author	Title	Journal
(52)	R. K. Patel	On the strong Euler summability of double orthogonal series	Jour. of the M. S. Univ., Baroda, Vol. 22/23 (1973-74), pp. 71-76
(53)	R. K. Patel	On the strong Riesz summability of double orthogonal series	Jour. of the M. S. Univ., Baroda, Vol. 22/23 (1973-74), pp. 77-80
(54)	S. R. Agrawal	On convergence and summability of Fourier-Bessel series	Riesz Jnanabh, 5 (1975)
(55)	S. R. Agrawal	On the order of coefficients and convergence of a Fourier-Bessel series of a differentiable function	Ind. Jour. Pure and Appl. Math., Sec. A (1975)
(56)	H. S. Chhatpar and V. V. Modi	Studies on Invertase from Mango Fruit	Phytochemistry (1974), 13, 693
(57)	A. R. Gupta and K. K. Rao	Effect of Potassium and Zinc ions growth and Tryptophan synthetase in Alkaloid producing culture of <i>Aspergillus fumigatus</i>	Current Science (1974), 13, 415
(58)	Z. M. Shah and A. K. Mattoo	Nucleotide Degrading Enzymes in <i>Neurospora crassa</i>	Mikrobiol (1974), 14, 581
(59)	S. Baqui, A. K. Mattoo and V. V. Modi	Mitochondrial enzymes in Mango fruit during ripening	Phytochemistry (1974), 13, 2049
(60)	S. Asundi, A. K. Mattoo and V. V. Modi	Studies on a Thermophilic <i>Talaromyces</i> sp.: Mitochondrial fatty acids and requirement for a O_4 compound	Indian J. Microbiol. (1974), 14, 75
(61)	V. P. Patel, B. D. Patel and K. K. Rao	Alkaloid Production by <i>Aspergillus Fumigatus</i> as influenced by changes in substrate composition	Indian J. Exp. Biol. (1974), 12, 76

Sr. No.	Author	Title	Journal
(62)	J. D. Desai and V. V. Modi	Factors affecting glucose uptake in <i>Aspergillus nidulans</i>	Indian J. Exp. Biol. (1974), 12, 438
(63)	B. J. Roy and P. J. Dave	Influence of Ascorbic acid on in vitro Phagocytosis	Indian J. Med. Res. (1974)
(64)	G. A. Tamam, S. V. Ganapati and P. J. Dave	Effect of Mutation on the Amylolytic and Proteolytic Activity of a <i>Bacillus</i> isolated from Domestic Waste Water	Indian J. Exp. Biol. (1974), 12 (5), 462-463.
(65)	V. P. Patel and K. K. Rao	Effect of Tryptophan and related compounds on Alkaloid synthesis in <i>Aspergillus fumigatus</i>	Lloydia (1974), 37, 4.
(66)	A. N. Kachhy and V. V. Modi	Salicylate Formation in <i>Pseudomonas aeruginosa</i> grown on Naphthalene	Proc. of BARC Symposium on Biol. Approach to Problems in Medicine, Industry and Agriculture (1974).
(67)	J. R. Rao and A. K. Mattoo	<i>Neurospora</i> Fructose 1, 6 diphosphate aldolase: Inhibition by sodium pyruvate	Biochem. Bio-phys. Res. Comm. (1974), 60: 1229.
(68)	A. M. Madia, A. K. Mattoo and V. V. Modi	8-Azaguanine and Flavogenesis in <i>E. ashbyii</i>	Biochem. Bio-phys. Acta (1975), 385-51.
(69)	J. D. Desai and V. V. Modi	Glucose uptake in <i>Aspergillus nidulans</i> : Purification and Properties of glucose binding protein.	Experientia (1975), 31, 160.
(70)	J. D. Desai and V. V. Modi	Biotin deficiency and permeability in <i>Aspergillus nidulans</i>	Current Science (1975), 44, 136.
(71)	M. N. Kamalanasan	Rotational analysis of (0, 0) bands of system of CaBr.	Curr. Sc., 43, 540-41, 1974.

Author	Title	Journal
(72) M. N. Kamalasanan	New band system of SrI molecule in the region 4900-5250 A°	Ind. J. Pure and Appl. Phys. 124-25, 1975.
(73) A. B. Darji and S. G. Shah	The B-system of CaCl molecule	Ind. J. Pure and Appl. Phys. 18, 187-90, 1975.
(74) H. S. Desai and M. P. Maru	A note on Nuclear excited Feshbach Resonance	Z. Naturforsch 29a, 1229-1280, 1974.
(75) V. P. Bhatt, G. R. Pandya and A. R. Vyas	Electrolytic Etching of Dislocations in BiSb crystals	Ind. J. Pure and Appl. Phys. 137, 522, 1974.
(76) V. P. Bhatt, A. R. Vyas and G. R. Pandya	Reactivity of some dislocation etchants on the cleavage plane of Bi, Sb and Bi-Sv Alloy single crystals	Ind. J. Pure and Appl. Phys. 12, 807, 1974
(77) D. J. Vaghari and B. S. Shah	On the shake of Etch pits on Bismuth	J. of Crystal Growth 23, 163-165, 1974
(78) S. W. Dharmadhikari and H. C. Patel	Convolutions of modal distributions	Z. Wahrscheinlichkeitstheorie, Vol. 30, 203-208 (1974)
(79) S. W. Dharmadhikari and H. C. Patel	Some results on the minimal complete class of linear estimators in Survey Sampling	Sankhya, Series C. Vol. 36, 185-194 (1974)
(80) S. W. Dharmadhikari and H. C. Patel	Controlling the sum of error probabilities in the sequential probability ratio test	J. Indian Stat. Assoc., Vol. 12, 49-57 (1974)
(81) S. W. Dharmadhikari	The need for introducing sigma-fields in probability theory	Gujarat Stat. Review, Vol. 1, 50-52 (1974)
(82) A. G. Phatak and N. I. Shah	Inadmissibility of certain Unbiased Estimators	M. S. Uni. Journal, Vol. 22 (1974), No. 3 and Vol. 23 (1974), No. 3 Combined issue

Sr. No.	Author	Title	Journal
(83)	M. Sreehari	On the Unimodality of the sample median	The Institute of Mathematical Statistics Bulletin, Sept., 1974
(84)	H. C. Patel	A note on necessary best estimators in the class of Linear unbiased estimator	Vol. 36, Series 'C' Sankhya
(85)	M. M. Gandotra	Population Projections of Gujarat, 1971-2006	A chapter in the Second India Study for Gujarat 2000 A.D. under the auspices of Sardar Patel Inst. of Economics Social Research, Ahmedabad, 1974
(86)	M. M. Gandotra	Values attached to children in Indian Society and Family Size Norms : The change and impact	Non-Governmental World Population Conference at Bucharest, Rumania, August 18th, to 30th, 1974 (Absentia).
(87)	M. M. Gandotra and Narayan Das	Demographic Impact of Sterilisation and IUCD Programme in an Indian Community	Proceedings of International Congress of Sexology, organised jointly by the French Society of Gynaecology and Society for the Scientific Study of Sex (USA) at Paris, July, 1974.
(88)	Narayan Das and N. L. Patel	A Model to Measure Regional Disparities in Development in India	Proceeding of the 3rd Seminar on Data Base of Indian Economy organised by the Indian Economic Society and Indian Association for the study of Population jointly with the Indian Statistical Institute and the Institute of Economic Growth at New Delhi, December 29-31, 1974.

Sr. No.	Author	Title	Journal
(89)	R. V. Shah and P. K. Hiradhar	Studies on glycogen, glycogen synthetase and respiratory quotient in the normal and regenerating tail of the house lizard, <i>Hemidactylus flaviviridis</i> .	Neth. J. Zool. 24 : 1, pp. 1-9, 1974.
(90)	R. V. Shah and R. G. Panicker	Studies on avian gizzard, I. Histochemical investigation on acid and alkaline phosphatases in the developing pigeon gizzard.	"PAVO", 9 : 1 and 2, pp. 40-47 March-Sept., 1971, 1974.
(91)	R. V. Shah and G. K. Menon	Histochemical studies on pigeon definitive feathers during post-hatching, induced and regenerative modes of development I. Acid phosphatase.	"PAVO" 9 : 1 & 2, pp. 48-61, March-Sept. 1971, 1974.
(92)	Pilo, B., M. V. Asnani and R. V. Shah	Studies on wound healing and repair in the pigeon liver. 5. Relationship of ascorbic acid with the collagen synthesis and connective tissue formation at the wound site.	"PAVO" 9 : 1 & 2, pp. 62-67, March-Sept. 1971, 1974.
(93)	R. V. Shah and R. G. Panicker	Studies on avian gizzard II. Histochemical response of the developing pigeon gizzard towards acetyl and butyryl cholinesterases.	"PAVO" 9 : 1 & 2, pp. 68-74, March-Sept. 1971, 1974.
(94)	Pilo B., M. V. Asnani and R. V. Shah	Wound healing and repair in the pigeon liver. 6. Histochemical studies on nucleic acid during the processes.	"PAVO" 9 : 1 & 2, pp. 75-79, March-Sept. 1971, 1974.

Sr. No.	Author	Title	Journal
(95)	R. V. Shah and G. K. Menon	Histochemical studies on pigeon definitive feathers during post-hatching, induced and regenerative modes of development II. Alkaline phosphatase.	J. Anim. Morph. Physiol. 21 : 1, pp. 8-18, June 1974
(96)	R. V. Shah and P. K. Hiradhar	Levels of sodium, potassium and water in the normal and regenerating tail of the house lizard <i>Hemidactylus flaviviridis</i>	J. Anim. Morph. Physiol. 21 : 1, pp. 26-34, June 1974
(97)	R. V. Shah, Pilo B. and M. V. Asnani	Wound healing and repair in the pigeon liver IV. Histochemical study on acetylcholinesterase.	J. Anim. Morph. Physiol. 21 : 1, pp. 44-48, June 1974
(98)	R. V. Shah and R. G. Panicker	Studies on avian gizzard III. Quantitative evaluation of glycogen and histochemical demonstration of aldolase in the developing pigeon gizzard.	J. Anim. Morph. Physiol. 21 : 1, pp. 56-63, June 1974.
(99)	R. M. Naik	Recent studies on the granivorous birds in India	International studies on sparrows. Vol. 7, No. XI, pp. 21-25, 1974

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

Sr. No.	Name	Seminar/Conference	Title
(1)	R. Rajalakshmi	IBRO symposium organised in Delhi	The growth and development of brain
(2)	S. K. Srivastava	The Society of Biological Chemists, Ludhiana	(i) Kinetic studies on inhibition of <i>Rumex acetosa</i> tumour tissue culture in vitro (ii) Role of auxins on Diamine oxidase from pea seedings

Sr. No.	Name	Seminar/Conference	Title
(3)	P. R. Mehta and A. R. Bhatt	3rd International Congress of Plant Tissue and Cell Culture held from 21-26 July, 1974 at Leicester, U.K.	In vitro Growth and Morphogenesis in isolated mesophyll cells of Ipomoea
(4)	K. V. Subbaiah, A. R. Mehta and R. R. Shah	3rd International Congress of Plant Tissue and Cell Culture held from 21-26 July, 1974 at Leicester, U.K.	Studies on polyphenol content in Tissue cultures of Datura and Cassia grown on Defined Medium
(5)	A. R. Mehta	International Summer School on "Genetic Manipulations with Plant Materials" held at University of Liege, Belgium from 4-17th August, 1974	In vitro growth and polyphenol production by Tissue cultures of Datura and Cassia
(6)	V. P. Fadia, P. H. Bhatt, S. K. Raval and A. R. Mehta	62nd Session of the Indian Science Congress at Delhi in January 3-7, 1975	The micronutrients for growth and inoculum/volume relationship in Cucumis callus tissues cultured in vitro
(7)	R. R. Shah, S. J. Chokshi and A. R. Mehta	62nd Session of the Indian Science Congress at Delhi in January 3-7, 1975	Changes in polyphenol content and development of peroxidase activity in tissue culture of Cassia
(8)	S. K. Rawal, P. H. Bhatt, V. P. Fadia, S. J. Chokshi and R. R. Shah	62nd Session of the Indian Science Congress at Delhi in January 3-7, 1975	Induced growth and morphogenesis in plant tissue cultured in vitro
(9)	S. R. Agrawal	Indian Science Congress, in January, 3-7, 1975 at Delhi	On the absolute and uniform conv. of a Fourier-Bessel series
(10)	V. M. Shah	11th Annual Conference of the Gujarat Ganit Mandal held at Visnagar from 3-11-1974 to 5-11-1974	Sets and Functions

Sr. No.	Name	Seminar/Conference	Title
(11)	J. P. Singhal	11th Annual Conference of the Gujarat Ganit Mandal held at Visnagar from 3-11-1974 to 5-11-1974	On hypergeometric functions
(12)	V. D. Pathak	11th Annual Conference of the Gujarat Ganit Mandal held at Visnagar from 3-11-1974 to 5-11-1974.	Study of homomorphism of a Banach algebras.
(13)	R. K. Patel	11th Annual-Conference of the Gujarat Ganit Mandal held at Visnagar from 3-11-1974 to 5-11-1974.	On generalized series Norlund summability of orthogonal series.
(14)	A. K. Mattoo and J. P. Trivedi	15th Annual Conference at Bangalore, 19th December, 1974.	Aminopurine mononucleosidase in Neurospora crassa.
(15)	Prempal Gill, H. S. Chhatpar and V. V. Modi	15th Annual Conference at Bangalore, 20th December, 1974.	Regulation of phenoloxidase in mango after infection with Rhizoctonia bataticola.
(16)	P. B. Desai, A. N. Dalal, A. N. Kachhy and V. V. Modi	15th Annual Conference at Bangalore, 20th December, 1974.	The possibility of using petroleum waste as fertilizer.
(17)	Anjana R. Shroff and V. V. Modi	15th Annual Conference at Bangalore, 20th December, 1974.	B-hydroxybutyrate dehydrogenase and poly-hydroxybutyrate accumulation in Rhizobium Japonicum.
(18)	J. D. Desai and V. V. Modi	15th Annual Conference at Bangalore, 20th December, 1974.	Regulation of nitrate uptake and growth in biotin deficient Aspergillus nidulans.
(19)	K. K. Rao, A. R. Gupta and V. K. Singh	15th Annual Conference at Bangalore, 20th December, 1974.	Further studies on the stimulation of ergot alkaloid synthesis by tryptophan and its inhibition by phosphates in Aspergillus fumigatus.

Sr. No.	Name	Seminar/Conference	Title
(20)	A. M. Madia, A. K. Mattoo and V. V. Modi	15th Annual Conference at Bangalore, 20th December, 1974.	Further studies of Flavino-genesis in Eremothecium lashbyi
(21)	A. Wali, A. K. Mattoo and V. V. Modi	15th Annual Conference at Bangalore, 20th December, 1974.	Malate and isocitrate dehydrogenesis thermophilic muhumieda lanuginosa.
(22)	S. W. Dharmadhikari and M. Sreehari	Indian Statistical Institute, Calcutta, December, 1974	A Note on Stable Characteristic function
(23)	A. G. Phatak	3rd Conference of Gujarat Statistical Association, Surat, October, 1974	Tolerance Limits

(d) Talks

Teacher	University/Institution	Subject of the lecture
(1) Professor S. M. Sethna	Chemical Society, Allahabad Branch, Allahabad	Some studies in Flavones
(2) Professor S. S. Merh	Wadia Institute of Himalayan Geology, Delhi	Some aspects of structural geology of parts of Kumaon Himalaya
(3) Dr. S. W. Dharmadhikari	South Gujarat University, Surat	Statistical Inference (2 Lectures)
(4) Dr. M. Sreehari	Research and Training School, I.S.I. Calcutta	Limit theorem for sums of independent random variables (4 lectures)
(5) Dr. G. Prathapasenan	Queen Elizabeth College, London University	The Effect of CA_3 on the physiology of germination of cotton

(e) Participation in Inservice Programme :

Name of the Teacher	Programme, Place and Dates	Capacity in which participated
(1) Professor V. M. Shah and Shri G. B. Patel	(i) New Mathematics for school parents 13-5-1974 to 19-5-1974 Departments of Mathematics, Faculty of Science	Teachers
	(ii) Magazine 'Ganit Mandal'	Editor
(2) Dr. M. Sreehari	U. G. C. National Associateship Scheme	Visited Indian Statistical Institute, Calcutta, January-February, 1975.
(3) Shri M. M. Gandotra	(i) National Conference on Population, New Delhi	Participant
	(ii) Western Regional Meeting of the Demographers of the D. and E. Cells and DRCS at Ahmedabad	Participant
	(iii) Sardar Patel Institute of Economics and Social Research, Ahmedabad	Consultant to the Ford Foundation Project Second India Study for Gujarat, 2000 A.D.

(f) Research work completed.

Sr. No.	Name of the	Subject
(1)	Dr. S. W. Dharmadhikari	A note on Stable Characteristic functions
(2)	Dr. S. W. Dharmadhikari and H. C. Patel	On Linear invariant estimators in Survey Sampling
(3)	Dr. J. K. Parmar	Urban Geography of Kapadvanj

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

(1) The Department of Mathematics has started a research exposition programme in Functional Analysis. A one week course in New Mathematics for parents was also conducted.

(2) The Demographic Research Centre completed the following research work:

(i) Fertility Differentials amongst contraceptors and non-contraceptors in India.

(ii) Age at Menarche in an Indian Community.

(iii) Some Basic Age Patterns of Indian women in a Family Planning Programme.

(iv) Current Life Table for Gujarat, 1970

(v) On the Estimation of Sampling Error in certain Fertility Indices.

6. Extra-Curricular Activities

(1) The Executive Committee of the Faculty Students Association organised an entertainment programme on 19th and 20th October, 1974 to collect funds for the "Silver Jubilee".

(2) A blood donation camp was organized on 13th December, 1974 where 106 students and staff donated blood.

(3) Kum. Shailaja Shrikhande was selected for Republic Day Celebration Parade held at New Delhi on 26th January, 1975.

7. Faculty Publications :

The Society of Animal Morphologists and Physiologists of which the Department of Zoology is the head quarters, published two journals as given below :

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

The Baroda Reporter was published in August, 1974 by Shri N. Das and Kum. J. Pandey.

8. Visitors

Name and Designation	Date of the Visit
(1) Dr. G. C. Mitra, National Botanical Gardens, Lucknow.	24-9-1974
(2) Professor U. N. Singh, Pro-Vice-Chancellor, Delhi University, Delhi.	19-10-1974
(3) Dr. H. G. Khorana, Massachusetts Institute of Technology, U.S.A.	2-11-1974
(4) Dr. W. Szybalski, Mac Ardle Institute, University of Wisconsin, U.S.A.	30-12-1974
(5) Dr. M. J. Thirumalachar, Research Director, Hindustan Antibiotics, Pimpri.	30-12-1974 31-12-1974
(6) Dr. M. R. Das, T.I.F.R., Bombay.	10-2-1975
(7) Dr. A. D. Slukin, Senior Research Associate, Institute of Geology of Ore Deposits, Petrography, Mineralogy and Geochemistry, USSR Academy of Sciences, Moscow, USSR.	11-2-1975 to 21-2-1975
(8) Dr. O. Siddiqui, T.I.F.R., Bombay.	14-2-1975
(9) Dr. P. C. Pendse, Professor of Biology, California University, U.S.A.	18-2-1975
(10) Dr. Bruce Johnson, Head, Department of Zoology, Tasmania Uni- versity, Austria.	20-2-1975 to 24-2-1975
(11) Dr. K. S. Valdiya, Deputy Director, Wadia Institute of Himala- yan Geology, Delhi.	26-2-1975 to 28-2-1975

9. Important Events

(1) Professor S. R. Palit, Professor of Physical Chemistry, Indian Association for the Cultivation of Science, Calcutta delivered Dr. K. G. Naik Gold Medal Lectures on 14th and 15th October, 1974, on "Non-Faradaic electrolysis" and "Multiple boundary formation during electrolysis".

(2) Professor M. M. Sharma, Professor of Chemical Engineering, Department of Chemical Technology, Bombay University, Bombay, delivered Dr. K. G. Naik Gold Medal Lecture on 6th December 1974, on "Mass Transfer with Chemical Reaction".

(3) Dr. C. Radhakrishna Rao, Secretary and Director, Indian Statistical Institute delivered Dr. C. S. Patel Lectures on 13th and 14th March, 1975 on "Statistics in search of truth". He also delivered two lectures on "Recent result in linear estimation and compound decision problems and empirical Bayes procedures" in the Department of Statistics.

(4) Dr. A. K. Sharma, Nehru Fellow, Head, Department of Botany, Calcutta University, Calcutta delivered Professor A. R. Chavan Memorial Lecture on 24th March, 1975 on "Chromosome Dynamism" in the Department of Botany.

(5) Dr. R. J. Mody, Economist, Sardar Patel Institute of Economics and Social Research, Ahmedabad delivered Dr. N. M. Bhatt's Lectures on 3rd and 4th February, 1975 on "Models of Economic Growth" and "Spectrum Analysis" in the Department of Statistics.

CHAPTER X(A)—FACULTY OF EDUCATION AND PSYCHOLOGY

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

1. Number of Students

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

	Men	Women	Total
(a) Under-graduate Diploma: Diploma in Early Childhood Education	—	18	18
Total	—	18	18
(b) Degrees:			
(i) B.Ed.	42	92	134
(ii) S.Y.B.A. (Psy.)	21	48	69
(iii) T.Y.B.A. (Psy.)	14	49	63
Total	77	189	266
(c) Post-graduate Degrees:			
(i) M.Ed. (Full-time)	3	11	14
(ii) Jr. M.Ed. (Part-time)	25	7	32
(iii) Sr. M.Ed. (Part-time)	32	2	34
(iv) M.A. Part I (Psy.)	7	12	19
(v) M.A. Part II (Psy.)	3	6	9
Total	70	38	108
(d) Doctorate:			
(i) Ph.D. (Education)	16	10	26
(ii) Ph.D. (Psychology)	5	2	7
Total	21	12	33
Grand Total	168	257	425

2. 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), 9 Readers, 20 Lecturers, 3 Teaching Assistants, 2 Senior Research Fellows, 12 Junior Research Fellows, 5 Teacher Fellows and 2 Research Assistants, 19 Class III and 9 Class IV employees.

(b) *New Appointments:*

(i) Dr. D. B. Desai	} Professor in Education
(ii) Dr. M. M. Shah	
(iii) Dr. P. K. Dongre	} Readers in Education
(iv) Dr. D. C. Joshi	
(v) Dr. (Kum.) M. M. Shah	} Lecturers in Education
(vi) Dr. (Smt.) P. M. Buch	
(vii) Dr. (Kum.) T. P. Lulla	
(viii) Shri M. N. Mukhopadhyaya	
(ix) Shri Sunirmal Roy	

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

Name	Title	Journal
(1) Dr. D. B. Desai	(i) Recent Studies in Achievement Motivation Development	USEFI, New Delhi
	(ii) Communication Behaviour	TTTI Report, Chandigarh, 1974
(2) Dr. (Kum.) T. P. Lulla	Effects of Teacher Behaviour on Pupils' Achievement	Studies in Teacher Behaviour, CASE. Pup. 1974-75
(3) Shri M. Mukherjee	Mukherjee, S and Mukherjee, M-Relationship between Teacher's Morale and Head-Master's Leadership Behaviour	Orissa Education Magazine, November, 1974
(4) Dr. B. K. Passi and S. P. Malhotra	Effect of Sex, Age and Training of Teachers upon the liking of Boys and Girls for their teachers	Journal of Education and Psychology, 1974, 32 (2), 100-105
(5) Dr. B. K. Passi and K. K. Sharma	A Changing View of Student Teaching	Teacher Education 1974, 9, 1-11-17
(6) Dr. (Smt.) Pилоo Buch	Predictors of School Adaptability	Indian Educational Review, January, 1974
(7) Dr. (Kum.) M. Gon	Contextual Function of age in person perception—Toward an Ecological Approach	Journal of Gerontology
(8) Shri J. B. Patel	(i) Concept of Life Long Education	Nutan Shikshan
	(ii) Life-long Education	Nutan Shikshan

Name	Title	Journal
(b) <i>Publication of Book/Brochures :</i>		
(1) Dr. M. B. Buch	Studies in Teaching and Teacher Behaviour	
(2) Dr. B. K. Passi and Dr. (Kumari) M. M. Shah	Micro-teaching in Teacher Education	
(c) <i>Papers presented at Conferences:</i>		

Name	Place	Title
(1) Dr. M. B. Buch	Maharashtra State Bureau of Textbook Production and Curriculum Research	Research in Curriculum Development in India
	UNESCO Seminar on Population Education, Bangkok, 1974	Role of Colleges of Teacher Education in a Programme of Population Education
(2) Dr. D. B. Desai	Sweden, Malmo, 1974	(i) Research in Innovation and Change
	TTTI, Chandigarh, May, 1974	(ii) Motivating Students in Classrooms
		(iii) The Classrooms of to-day and to-morrow
		(iv) Use of Feedback in Classroom Teaching
		(v) Communication Behaviour of Lecturers in Classrooms
		(vi) Recent Researches and Studies in Classroom Teaching
(3) Shri M. Mukherjee	All India Seminar, New Delhi organised by USIS, 16th August, 1974	(vii) Recent Studies in Achievement Motivation
	Maharashtra State Bureau of Textbook Production and Curriculum Research	(i) Bringing Change in Curriculum
		(ii) Implementing Curriculum
		(iii) Problems of Research in Curriculum

Name	Place	Title
(4) Kumari M. S. Padma	Maharashtra State Bureau of Textbook Production and Curriculum Research	Curriculum Appraisal Tools (i) Characteristics of Research Tools (ii) Action Research
(5) Dr. B. K. Passi	Maharashtra State Bureau of Textbook Production and Curriculum Research	(i) Sampling (ii) Experimental Designs for Curriculum Research
(6) Shri S. Roy	Maharashtra State Bureau of Textbook Production and Curriculum Research	(i) Mechanics of Building Curriculum (ii) Descriptive Research
(7) Shri D. R. Darji	Maharashtra State Bureau of Textbook Production and Curriculum Research	Textbook Production—Evaluation of Textbook
(8) Dr. A. S. Patel	18th International Conference of Applied Psychology, Montreal, Canada, August, 1974	An analytical study of marital adjustment of couples in relation to other adjustment processes
(9) Dr. A. S. Patel jointly with Dr. R. J. Joshi	18th International Conference of Applied Psychology, Montreal, Canada, August, 1974	An Investigation to study the extent of anxiety as a function of achievement of high school pupils
(10) Dr. A. S. Patel	(i) 11th International Congress of Cross Cultural Psychology, Kingston, Canada, August, 1974 (ii) 62nd Indian Science Congress, Delhi, January, 1975	A Study of behaviour as varied in early Indian Scriptures An analytical study of attitudes of literate and illiterate population towards family planning
(11) Dr. (Kum.) M. Gon	Vth International Conference of Humanitic Psychology, Andhra University, Waltair, August, 1974	A Psychoanalytic study of person conception

(d) Talks:

Name	Name of the University/Institution	Subject
(1) Dr. M. B. Buch	Saurashtra University, Bhavnagar Gujarat Vidyapeeth, Ahmedabad All India Conference of Secondary Teachers, Ahmedabad	New Pattern of Education in Gujarat New Pattern of Education in Gujarat Education for Socialism
(2) Dr. D. B. Desai	Surendranagar Training College, Saurashtra University Dwarka College of Education Sarvajanik College of Education, South Gujarat University, Surat South Gujarat University, Surat Rajkot College of Education, Rajkot Aliabada Teachers College Teachers Association of Vokal Mandal, Bajwa College of Education, Borsad Jessies and Citizens' Council, Baroda	(i) Classroom for our Future (ii) Education in Schools (iii) On Sensitivity Development (iv) Motivation Researches (v) Sensitivity Training (vi) Motivation at your door step (vii) Lively Language Teaching (viii) Teachers for tomorrow (ix) Sensitivity Training to Youth Leaders
(3) Dr. B. K. Passi	Gujarat Vidyapeeth, Ahmedabad	Hypothesis—Formulation and Testing
(4) Dr. A. S. Patel	Teachers' Training College, Modasa	Behaviour Problems of School Children

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

Name	Programme	Capacity in which participated
(1) Dr. M. B. Buch	UNESCO Seminar on Population Education, Bangkok	Participant
(2) Dr. D. B. Desai	(i) Studies in Innovation and Change, London, U.K.	Participant
	(ii) Discussions on Life Long Education, Hamburg, U.K.	Participant
	(iii) Discussion on Management of Change, CERI, Paris	Participant
	(iv) Discussion on Teacher Behaviour Researches, Malmo, Sweden	Participant
(3) Shri M. Mukherjee	Management of Change in Academic Institution, I.I.M., Allahabad	Participant
(4) Dr. B. K. Passi	(i) First British Conference on Computer in Higher Education, University of Lancaster, U.K.	Participant
	(ii) Research in Teacher Behaviour, Teaching and Micro-teaching in India, at Malmo, Sweden	Resource Person
	(iii) Seminar on Cluster Analysis, University of Reading, England	Participant
	(iv) Seminar on Microteaching for Teacher Educators, Gujarat Vidyapeeth, Ahmedabad	Resource Person
	(v) Man, Management Preference and Productivity—Gujarat State Fertilizers Co.	Resource Person
	(vi) Seminar on Creativity Development, I.C.D., Poona	Resource Person
(5) Dr. A. S. Patel	(i) International Council of Psychologists, New Orleans, U.S.A.	Invitee

Name	Name of the University/Institution	Subject
	(ii) "Education for Peace", World Council of Curriculum and Instruction, Keele, U.K.	Invitee
	(iii) 18th International Congress of Applied Psychology, Montreal, Canada	Section Chairman
	(iv) Executive Body of the Section of Psychology and Educational Science, Indian Science Congress Association	Elected Member
(6) Dr. (Kum.) M. Gon	Journal, "Family Counselling", Published by the Rutgers: The State University, New Jersey, U.S.A.	Editorial Consultant from India

4. Centre of Advanced Study in Education

Systematic and persistent efforts were made by the Centre in its research development and dissemination work in the field of education through its varied activities during the year 1974-75 and has made considerable progress in that direction.

(1) Research Activities:

Special features of the activities of the Centre are:

- (i) the studies undertaken by the Centre are systematic, persistent, co-ordinated and within a framework in a few important, selected areas of research; (ii) the studies are of varied types—from descriptive survey to experimental—employing various sophisticated statistical designs; (iii) studies are carried out through interdisciplinary approach; (iv) the findings of the studies are disseminated to all consumers like research workers, schools, teacher training institutions, etc. through publications, extension lectures, seminars—both within and outside Centre and workshops, and (v) various educational institutions are being assisted both formally and informally.

The Centre considers the following areas of research in education as important for intensive research efforts:

- (1) Teaching, Teacher Behaviour and Teacher Education
- (2) Programmed Learning and Educational Technology
- (3) Innovations and Educational Change Process
- (4) Achievement Motivation
- (5) Teacher Morale and Organisational Climate.

	Number
(i) Research Projects completed at Doctoral Level	16
(ii) Research Projects completed at Institutional Level	1

(2) *Collaboration of the Centre with other institutions:*

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

Institution	Area in which co-operation was extended
(i) National Institute of Bank Management	Testing and Personnel Selection
(ii) Maharashtra State Board of Curriculum Research and Text-book Production	Research in Curriculum Development
(iii) Gujarat Vidyapeeth	Microteaching in Teacher Education
(iv) Indian Association of Programmed Learning	Publication of the Journal Shaikshik Takniki
(v) State Board of Teacher Education, Ahmedabad	Problems in Research Design
(vi) Technical Teachers' Training Institute, Chandigarh	Techniques of Teaching in Engineering Colleges

(3) *Seminars:*

The Centre organised a seminar on 'Problems of Research Design' in collaboration with the State Board of Teacher Education for the benefit of teacher educators of Gujarat State.

5. **Department of Extension Services**

The Department of Extension Services Project has introduced a new phase of activities in the programme of teacher education. It caters to the educational needs of four districts of Gujarat, viz. Baroda, Panchamahals, Bulsar and Surat (except Surat City, Olpad and Choryasi Taluka). There are as many as 475 schools under the jurisdiction of this Centre.

(1) *Summer School of Education:*

Summer School of Education was organised on three subjects, viz. Modern Mathematics, New Science and Gujarati Language and Literature from 20th to 25th May, 1974 in which 241 teachers participated.

(2) *Winter School of Education:*

Winter School of Education was organised in collaboration with Headmasters' Association, Panchamahals District from 2nd to 9th November, 1974. The topics were Textbooks for IX Std. Mathematics and Science and Symposium on Higher Secondary Education and Vocationalizing of Secondary Education and New Pattern of S.S.C. of Gujarat State.

(3) *Seminars and Workshops:*

In all 24 Seminars and Workshops were organised at Baroda and one each at Godhra and Dahod, on various subjects such as Teaching of new mathematics, Orientation course in Science, Teaching of English, Gujarati, History and Sanskrit.

(4) *Educational Exhibitions:*

Two exhibitions—(1) Scientific Experiments and (2) Vocational and Educational Guidance—were organised at Baroda.

(5) *Publication:*

The Department published a brochure on 'Vocationalisation of Secondary Schools at Higher Secondary School Pattern'.

6. **Extra-Curricular Activities**

The students of Psychology formed a Psychological Society and organised lectures, symposia, and also carried out extra-curricular activities.

7. **Visitors**

- | | |
|--|--|
| (1) Professor Suresh Shukla,
Jamia Milia Islamia
Teachers College,
Delhi. | (4) Professor M. Skilbeck,
New University of Ulster,
U.K. |
| (2) Dr. S. B. Adval,
Professor in Education,
Allahabad University,
Allahabad. | (5) Dr. N. V. Thirtha,
Professor of Education,
Bangalore University,
Bangalore. |
| (3) Mr. M. Stanton,
School of Education,
Birmingham University,
U.K. | (6) Professor Vedamani Manuel,
Professor and Head,
Department of Education,
Kerala University,
Trivandrum. |

CHAPTER X(B)—UNIVERSITY EXPERIMENTAL SCHOOL

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

1. Number of Students

Classes	Boys	Girls	Total
Primary: I to VII	179	131	310
Secondary: VIII to XI	118	91	209
Total	297	222	519

2. Staff

	Graduate trained teachers	Under- graduate trained teachers	Total
(1) Primary Section	2	4	6
(2) Secondary Section	8	—	8
(3) Specialised Teachers	2	2	4
(4) Office Staff	1 Senior Clerk, 2 Junior Clerks and 1 Laboratory Assistant		
(5) Class IV Employees	5 for Secondary Section and 2 for Primary Section		

Smt. Taraben Thakore joined the school on 20th January, 1975 as Library Teacher.

3. Professional Growth of the Staff

(1) Shri M. M. Chokshi worked as a resource person at the Seminars on 'Examination Reform' and 'Teaching Hindi in Secondary Schools' organised by the Extension Department of the Faculty of Education and Psychology.

(2) Shri M. M. Amin worked as a member on the panel for reviewing the Text Books of Science for Standard VI and Standard X to be published by the Gujarat State Text Book Board, Ahmedabad.

4 Experiments and Activities

(1) The following projects were prepared by the students:

Standard	Subject	Project
(i) V	Social Studies	Different States of India
(ii) V and VI	English	Birds and Animals
(iii) VI	Social Studies	Crops
(iv) VI	Social Studies	Industries of India
(v) VIII	Social Studies	Asian Countries
(vi) IX	Social Studies	Africa, Newzealand and Australia
(vii) X	Social Studies	My Country—India
(viii) X	Arithmetic	Insurance
(ix) X	Botany	Different kinds of roots, trunks, stems

(2) The pupils of Standard V and VII presented a musical feature and the pupils of Standard VII presented a musical programme 'Vasant-ni-Lahar' on A.I.R., Baroda.

(3) The pupils of Standard VII collected coins of different countries and exhibited them.

(4) The pupils of Standard X brought out 'My Own Magazine' in English containing a variety of essays, stories, biographies, poems, jokes, etc.

5. Results of Examination

(1) The result of the S.S.C. examination held in April, 1974 was 98.2%. Chi. Yogesh Bhatt and Chi. Rikesh Majmudar secured the fifth rank in Baroda, Chi. Manisha Desai stood first among all the girl pupils of the Baroda Centre and was given a special felicitation by the Rotary Club, Baroda. Fifteen students of the school obtained more than 75% marks and were awarded the National Scholarship.

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

Examination	Result in Percentage
1	2
(i) Elementary Drawing Grade Examination	84
(ii) Intermediate Drawing Grade Examination	100
(iii) Shishta Vachan	92.5
(iv) Hindi Examinations	

1	2
(a) Balpothi	98.8
(b) Paheli	88.6
(c) Dusari	83.7
(d) Tisari	71.4
(v) Bharatiya Vidya Bhavan Sanskrit Examinations	
(a) Balbodh	100
(b) Prathma	100
(c) Dvitiya	100
(vi) General Knowledge Test (Std. VII)	100

6. Awards and Prizes

(1) Awards/Prizes in Fine Arts:

Name	Prize	Competition
(i) Chi. Vandana Desai (VI)	Rs. 50/-	15th Art Exhibition of Gujarat State Lalitkala Academy
(ii) Chi. Arif Malek (II)	Second Prize	13th All India Children Art Competition held by Children Little Theatre in Calcutta
(iii) Chi. Urvi Dholakia (XI) Chi. Neeta Kothari (X) Chi. Chetan Rana (X)	Silver Medal	Shanker's International Child Art Competition in Delhi
(iv) Chi. Anita Banerji (XI) Chi. Shruti Shah (IX) Chi. Hitesh Rana (V)	Merit Certificates	Shanker's International Child Art Competition in Delhi
(v) Chi. Arif Malek (II)	3rd Prize	Extempore Childrens' Painting Competition organised by Junior Chambers
(vi) Chi. Siddhartha Patel (III)	Consolation Prize	Extempore Childrens' Painting Competition organised by Junior Chambers
(vii) *Chi. Amita Shah (IX)	Prize	International Painting Competition organised by UNESCO in Paris

*The painting of Chi. Amita Shah was selected for the design of the postal stamp issued by the Department of Posts and Telegraphs on 14th November, 1974 on the occasion of the Silver Jubilee of UNICEF.

The school got the third prize in group dance at the U.S.O. Conference in Delhi. Students won prizes in Elocution Competition in Hindi, merit certificate for speech in English and Drawing Competitions.

(2) Awards in Sports:

Name	Prize	Competition
(i) Chi. Kiran Sheth (X)	Third Prize	Open Baroda Chess Tournament
(ii) Chi. Ashish Shah (XI)	Third Prize	Open Baroda Schools Table Tennis Tournament
(iii) Chi. Rupal Palmer (X)	Third Prize	Shot put in Sharad Sports Festival
(iv) Chi. Roshan Sheikh (XI)	(i) Second Prize (ii) First Prize	Long Jump Javelin Throw
(v) Chi. Vahida Sheikh (VII)	Third Prize	High Jump
(vi) Relay Race Team of Girls	Second Prize	Relay Race
(vii) Four pupils participated in the Gujarat State Athletic Competition held at Rajkot and won prizes in Long Jump, High Jump and 100 meters Run-Race		
(viii) In the Gujarat Olympic Sports held at Rajpipla, two students stood second and third in the Long Jump event		
(ix) Eight students won prizes in Shot Put, High Jump, Javelin Throw and 100 meters Running Race in Secondary School Sports Competition held at Baroda.		

(3) Awards in Debates:

Name	Prize	Debate
1	2	3
(i) Chi. Manish Pathak (IX)	Prize	Elocution Competition held by Baroda Citizens Blood Donation Society

1	2	3
(ii) Chi. Bala Dixit (XI)	Prize	Elocution Competition held by Baroda Citizens Blood Donation Society
(iii) Chi. Shyam Varma (X)	Second Prize	Wadia Trophy Inter-School Debate in English (Extempore)
(iv) Chil. Shruti Shah (IX)	Third Prize	Wadia Trophy Inter-School Debate in Gujarati (Extempore)
(v) Chi. Sanjay Desai (X)	Second Prize	Wadia Trophy Inter-School Debate in Hindi (Extempore)
(vi) Chi. Shyam Verma and Chi. Mehul Patel (X)	Merit Certificates	Bhaskarbhai Patel Inter-School Debate Trophy
(vii) Chi. Manisha Pathak (IX) Chi. Pankaj Bhatt (X) and Chi. S. Raijude (X)	Third Prize	Inter-School Competition held under Sanskar Quiz Contest Programme at Baroda

7. Visitors

The following persons visited the School and addressed the students:

Name	Topic
(1) Dr. M. A. Quraishi Professor in the Faculty of Education and Psychology	The Existence of God
(2) Smt. Jayaben Patel, Principal, Alembic Vidyalaya	} Tour to U.S.A.
(3) Shri Rajnikant Jani, Principal, Shreyas Vidyalaya	
(4) Shri Hiralal M. Amin of Shri Arvind Ashram of Pondichery	The Evolution of Man
(5) Shri Shantilal Thaker	The Student and his Behaviour
(6) Shri Shankarbhai Sharma	Hellen Keller's Life
(7) Dr. P. M. Trivedi, Professor of the Medical College	Blood and Blood Donation

Name	Topic
(8) Shri Labhshankar Mehta	Problems of Mathematics
(9) Shri K. N. Saksena	The development of creative power in subconscious mind
(10) Chi. Parul Shah One of the old students of the school	Experiences of the Cultural Programme in Ceylon
(11) Chi. Parul Parikh, Chi. Nirajana Patel and Chi. Paru Amin Old students of the School	Experiences of the Cultural Programme in foreign countries like Kuwait, France, Germany etc.
(12) Chi. Asit Mistri	'Sainik Shala' at Balachhadi
(13) Mr. George of Newzeland	Study and Struggle
(14) Chi. Janaki Desai	Educational Experiences in U.S.A.
(15) Shri R. P. Upadhyaya	Geeta and Life

CHAPTER XI—FACULTY OF COMMERCE

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

1. Number of Students

The classwise distribution of students during the year 1974-75 was as under:

Class	Men Students	Women Students	Total
(1) Under-graduate Diploma in Co-operation	23	3	26
(2) F.Y.B.Com.	1037	360	1397
(3) S.Y.B.Com.	935	279	1214
(4) T.Y.B.Com.	725	273	998
Total	2697	912	3609
(5) Post-graduate Diploma in Banking	40	19	59
(6) Post-graduate Diploma in Co-operation	1	2	3
Total	41	21	62
(7) M.Com. Part I	291	36	327
(8) M.Com. Part II	105	8	113
Total	396	44	440
(9) Ph.D.	4	1	5
Grand Total	3161	981	4142

2. Staff

(a) Present Position:

The staff of the Faculty consisted of 3 Professors, 7 Readers, 29 Lecturers, 3 Part-time Lecturers, 13 Class III and 15 Class IV employees as on 31st March, 1975. The Department of English, Law, Mathematics, Statistics made arrangements for teaching of the subjects of English, Mercantile Law, Mathematics, Statistics. Some members of the staff of this Faculty had teaching assignment in the Faculty of Technology and Engineering, Faculty of Law and the Polytechnic.

(b) New Appointments:

(i) Dr. H. P. Chokshi, Professor of Business Economics,

(ii) Sarvashir J. R. Khedkar and J. H. Shah, Lecturers in Accounts.

(c) Teachers who left the University:

Shri M. M. Shah, Lecturer in Accounts.

3. Professional Growth of the Staff

(a) Publication of Articles/Papers:

Name	Title	Name of the Journal wherein published with month of publication
(1) Dr. H. L. Dholakia	(i) Structure and Strategy of the Public Agency as a channel of distribution of food grains in India	"Food and Agriculture Journal" Vol. 4, Nos. 1-2, April, 1974
	(ii) Rationalisation without Tears	"The India Export Trade Journal" Vol. XXVIII, No. 9, September, 1974
(2) Dr. K. R. Shah with Dr. D. T. Lakadawala	Cost Size and Location of Colleges in Gujarat	'Anvesak', Vol. IV, No. 1, June, 1974, Quarterly Journal of the Sardar Patel Institute of Economics and Social Research, Ahmedabad
(3) Smt. B. H. Elavia	(i) Land Development Banking and the Green Revolution	All India Central Land Development Banks Co-operative Union, Vol. XII, Issue-3, P. 27, March, 1974
	(ii) Co-operative Land Development Banking in Gujarat	National Co-operative Development Co-operation Bulletin, New Delhi, October, 1974 issue, P. 20
	(iii) Small Farms and Long-term Co-operative Finance in Gujarat	National Federation of Co-operative Land Development Banks, Bombay. Conference Issue, January, 1975
(4) Shri D. R. Shah	A Note on Land Ceiling in India	Journal of M. S. University of Baroda. Vol. XXI, No. 2, July, 1972
(5) Shri J. K. Shah	Project Evaluation in Public Sector—some problems of Methodology	Journal of the M. S. University of Baroda. Vol. XXI, No. 2, July, 1972

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

<i>Name</i>	<i>Name, Place and Dates of the Conference/Seminar</i>	<i>Title of the Paper presented</i>
(1) Shri J. K. Shah	Vth Gujarat Economic Conference held at Gujarat Vidya-peeth, Ahmedabad, 9-10, November, 1974	The Impact of Electricity on Agriculture in Gujarat, 1970-71

4. **Extra-Curricular Activities**

(1) Besides the Faculty Students Association, the Students of the Faculty organised the following Associations:

(i) Economic Students' Association, (ii) Banking Students' Association: (iii) Accountancy Students' Association and (iv) Business Management Students, Association.

(2) The following Debating Competitions were organised by the Faculty:

(i) Co-operative Debating Competition, (ii) Dena Bank Trophy Debate and (iii) Bank of Baroda Trophy Debate.

CHAPTER XII—FACULTY OF MEDICINE

(A) MEDICAL COLLEGE

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

1. **Number of Students**(1) *Degree:*

M.B.B.S.	<i>Men</i>	<i>Women</i>	<i>Total</i>
1st year	117	26	143
2nd year	167	19	186
3rd year	109	15	124
4th year	118	22	140
5th year	120	15	135
Total	631	97	728

(2) *Post-graduate Diploma:*

D.A.	5	3	8
D.C.P.	5	1	6
D.G.O.	5	3	8
D.L. and O.	6	—	6
D.M.R.E.	2	—	2
D.O.	4	—	4
D.C.H.	3	—	3
T.D.D.	1	—	1
D.V.D.	2	—	2
Total	33	7	40

(3) *Post-graduate Degree:*

M.D.	35	10	45
M.S.	28	5	33
M.Sc.	29	5	34
Ph.D.	6	2	8
Total	98	22	120
Grand Total	762	126	888

2. Staff

(a) Present Position:

The staff of the College consisted of a Dean, 29 Professors, 26 Assistant Professors, 30 Tutors, 11 Other Gazetted Staff, 10 Honorary Professors, 12 Honorary Assistant Professors, 3 Honorary Part-time Assistant Professors, 4 Part-time Junior Lecturers, 2 Full-time Surgeons/Physicians, 98 Class III and 80 Class IV employees.

(b) New appointments:

- | | |
|----------------------------------|---|
| (1) Dr. (Smt.) S. H. Majmudar | } Tutors in Anatomy |
| (2) Dr. J. N. Nankani | |
| (3) Dr. B. P. Vasani | |
| (4) Dr. (Smt.) M. Sood | |
| (5) Dr. (Smt.) G. K. Hathi | } Tutors in Physiology |
| (6) Dr. S. O. Parikh | |
| (7) Dr. (Kum.) T. V. Joshi | |
| (8) Dr. (Kum.) C. M. Kamdar | } Tutors in Pharmacology |
| (9) Dr. S. V. Desai | |
| (10) Dr. P. R. Jain | } Assistant Professors in Pathology |
| (11) Dr. (Smt.) K. F. Barodawala | |
| (12) Dr. (Smt.) S. B. Patra | } Tutors in Pathology |
| (13) Dr. R. K. Pasale | |
| (14) Dr. (Smt.) Y. R. Premlatha | |
| (15) Dr. N. D. Patel | |
| (16) Dr. D. S. Prajapati | |
| (17) Dr. P. T. Patel | |
| (18) Dr. S. P. Pandya | |
| (19) Dr. N. V. Ambani | } Assistant Professor of Surgery
Tutor in Obstetrics and Gynaecology |
| (20) Dr. (Smt.) K. R. Vaishnav | |
| (21) Dr. (Kum.) R. B. Buch | } Tutor in Paediatrics |
| (22) Dr. D. R. Jhala | |
| (23) Dr. H. S. Vaishnav | } Assistant Professor of Anaesthesia
Professor of Surgery |
| (24) Dr. B. S. Patra | |
| (25) Dr. (Smt.) S. K. Amin | } Tutors in Medicine |
| (26) Dr. S. V. Sheth | |
| (27) Dr. P. S. Bhatt | } Assistant Professor of Paediatrics |
| (28) Dr. (Kum.) H. J. Patel | |
| (29) Dr. (Kum.) P. V. Pawar | |
| (30) Dr. (Kum.) P. M. Shah | } Tutors in Anaesthesiology |
| (31) Dr. P. B. Shah | |
| (32) Dr. (Smt.) K. G. Hemavathi | } Assistant Professor in Biochemistry
Assistant Professor in Pharmacology |
| (33) Dr. D. M. Shah | |
| (34) Dr. G. M. Shukla | Assistant Professor in Preventive and Social Medicine
Assistant Professor in Surgery |

(35) Dr. (Kum.) D. P. Shah Assistant Professor in Anaesthesiology

(36) Dr. (Kum.) N. B. Mehta Assistant Professor in Pathology

(c) Teachers who left:

(1) Dr. M. N. Shridharani Tutor in Anatomy

(2) Dr. V. B. Dhumal Assistant Professor of Pharmacology

(3) Dr. S. S. Tilak Assistant Professor of Pathology

(4) Dr. D. L. Dharkar Tutor in Pathology

(5) Dr. D. J. Shah Tutor in Pathology

(6) Dr. (Kum.) K. R. Patel Tutor in Pathology

(7) Dr. D. S. Prajapati Tutor in Pathology

(8) Dr. N. D. Patel Tutor in Pathology

(9) Dr. P. T. Patel Tutor in Pathology

(10) Dr. (Kum.) N. N. Shah Assistant Professor of Obstetrics and Gynaecology

(11) Dr. N. G. Sanghavi Assistant Professor of Medicine

(12) Dr. A. T. Pahtak Assistant Professor of Paediatrics

3. Professional Growth of the Staff

(a) Publication of articles/papers.

Name	Title of the Article/Paper	Journal in which published
1	2	3
(1) R. D. Ghai, M. L. Pai, C. P. Shah and S. Srinivasan	Effect of Glucose loading on Serum Glycoproteins	Journal of Association of Physicians of India, Vol. 22, Pp. 697, August, 1974
(2) A. R. Mehta P. T. Acharya and A. S. Chikarmani	Effect of maternal malnutrition on the birth weight of the new born; II Early detection	Indian Paediatrics 19, 459, 1974
(3) C. P. Shah	(i) Oral and intravenous glucose tolerance test in Uremic patients	Jr. of Ass. of Physicians of India, Vol. 22, Pp. 873 December, 1974

1	2	3
	(ii) Three hour creatinine Clearance test in Health and Diseases	Indian Journal of Physiology and Pharmacology Vol. 12, Pp. 116, April-June, 1974
(4) A. B. Khorana	(i) Larzepam, a new benzodiazepone in Psychomatic disorders	Journal of Association of Physicians of India, 22, 2, 173-178, 1974
	(ii) Concept of team functioning in mental health field	Social Work Review 25-40, 1974
(5) N. H. Prabhakar and B. N. Mazumdar	Cardiovascular changes during periodical stimulation	Indian Journal of Physiology and Pharmacology Vol. 18, Pp. 233, 1974
(6) Y. B. Mehta, B. N. Mazumdar, J. D. Pathak and S. Kadam	Audatory reaction time during different phases of menstrual cycle	Indian Journal of Pharmacology, Vol. 18, Pp. 235, 1974
(7) C. A. Desai, E. M. Best, B. N. Mazumdar, R. C. Shah and R. M. Vaidya	Effects of Vitamin A on growth and plasma proteins in rats	Journal of Indian Medical Association, Vol. 62, No. 3, P. 64, 1974
(8) C. A. Desai, R. C. Shah and M. G. Amin	Ventilatory tests and lung volumes studies in medical students of Gujarat State	Gujarat Medical Journal, 83-86, 1974
(9) C. A. Desai and K. F. Joshi	The Classification Process	Journal of the Indian Dental Association, 5:1: 4-8, 1974
(10) R. V. Bhatt	(i) Pattern of weight gain in the first week-Post-partum	Journal of Obst. Gyn. India. 3, 221, 1974
	(ii) Pregnancy and Burns	Journal of Obst. and Gyn. India 3, 224, 1974
	(iii) Pyrosis in Pregnancy	Journal of Obst. and Gyn. India

1	2	3
(11) V. P. Vaishnav	(i) Adnexal Tumours of Skin	Indian Journal of Pathology and Bacteriology, 1974
	(ii) Burns and Burns Sepais	Indian Journal of Medical Science, 1974
(12) B. B. L. Mattian	Elastofibroma Dorsi—a Case report	Indian Journal of Pathology and Bacteriology, October, 1974

(b) Papers presented at Conferences/Seminars:

Name	Conference	Title of the Paper
(1) Dr. A. B. Khorana	27th Annual Conference of Indian Psychiatric Society, Trivendrum, January, 1975	Characteristics of women electing Tubectomy
(2) Dr. P. Gopinath and Dr. T. V. Joshi	26th International Congress of Physiological Sciences, New Delhi, October, 1974	Effects of Cardial cycle on reaction time
(3) Dr. R. V. Bhatt	(i) 17th All India Congress of Obst. Gyn. Manipal, December, 1974	(i) Study of pregnancy termination in the last trimester
	(ii)	Study of the complications of second trimester termination
	(iii)	The role of teaching department in development of maternal advisory services in rural areas
	(ii) 2nd International Seminar on Maternal Mortality and Family Planning, Bombay, March, 1975	Electrolyte changes in Urine, liquer and blood after instillation of 20% Sodium Chloride Intra-ammiotically

Name	Conference	Title of the Paper
(iii)	6th Asian Congress of Obst. and Gyn., Kularlumpur, July, 1974	(i) Scope and limitation of Camp approach to female sterilisation (ii) Use of desamino oxytosin in induction of labor
(iv)	2nd International Family Planning Research Association Conference, Palmsprings, U.S.A., October, 1974	Seasonality in Human Reproduction
(4) Dr. M. N. Hazra	17th All India Congress of Obst. and Gyn. Manipal, December, 1974	(i) Study of the complications of second trimester termination (ii) Study of the pregnancy termination in the first trimester
(5) Dr. (Smt.) N. B. Swami	(i) 7th Asiatic Conference of Obst. and Gyn., Kularlumpur, July, 1974 (ii) All India Obst. and Gyn. Conference Manipal, December, 1974 (iii) 2nd International Seminar on Medical Termination of Pregnancy, Maternal and Perinatal Mortality, Bombay, March, 1975	Attended Attended Attended

Name	Conference	Title of the Paper
(6) Dr. B. C. Patel	All India Obst. and Gyn. Conference, Manipal, December, 1974	Concurrent scope and limitations of tube ligation by abdominal and vaginal routes when done with termination of pregnancy
(7) Dr. H. C. Srivastava	American Association of Anatomists, Los Angeles, California, March, 1975	Postnatal development of submaxillary gland in albino rat
(8) Dr. V. P. Vaishnav	14th Annual Conference of the Indian Association of the Advancement of Medical Education, Jodhpur, January, 1975	What it is and what it should be in Medical Education in Pathological Science

(c) *Participation in Inservice Programmes:*

Name	Programme	Capacity
(1) Dr. R. V. Bhatt and Dr. B. C. Patel	Mobile Surgical Camp at Lunawada, March, 1975	Visiting Obstetrician and Gynaecologist
(2) Dr. M. N. Hazra, Dr. B. C. Patel, and Dr. D. S. Shah	Peripheral Antenatal Services at Por, Padra, Chhani	Consultants

(d) *Talks:*

Name	Institution	Subject
(1) Dr. R. V. Bhatt	R. N. T. Medical College, Udaipur	Our experience in Iron deficiency—anaemias in pregnancy

(e) *Research Work completed:*

(1) Dr. M. L. Pai	Mucopolysaccharides in gastric secretion in health and diseases
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- (2) Dr. S. Golanc Serial studies on SGOT, SGPT and Cholinesterase mycocardial infraction
- (3) Dr. (Kum.) N. C. Munshi L.D.H. and SHBD levels in Myocardial Infraction and liver diseases
- (4) Dr. R. V. Bhatt Evaluation of various methods for pregnancy termination
- (5) Dr. (Smt.) N. B. Swami and Dr. C. B. Patel Study of Post-operative complication in abdominal and vaginal hystrectomies
- (6) Dr. M. N. Hazra (i) Hazards of induce abortion for first trimester
(ii) Study and follow-up of 2nd trimester pregnancy termination and its hazards
- (7) Dr. B. C. Patel Post-operative complications in abdominal and vaginal hystrectomies
- (8) Dr. F. N. Kanungo and Dr. V. P. Vaishnav Profile of leprosy patients of Dediapada
- (9) Dr. K. S. Trivedi, Dr. S. S. Tilak and Dr. V. P. Vaishnav Laboratory investigation on the inmates of a leprosy hospital, and exposure of their sera for concentration of antibodies against some heterologous antigens
- (10) Dr. Y. N. Patel, Dr. S. S. Tilak and Dr. P. V. Prabhune A study of normal flora of the Throat in neonates
- (11) Dr. R. K. Patel, Dr. S. S. Tilak and Dr. P. V. Prabhune A bacteriological study of Conjunctivities

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 and has a total staff of about 1200 employees.

It has 6 Medical, 6 Surgical, 3 Obstetrics and Gynaecology, 2 Paediatrics, One Dental, One E.N.T., 3 Orthopaedics, One Anesthesia and One Psychiatric Unit. The students are posted under these Units for their clinical training. The total bed strength is 924. Average daily in-patient attendance and O.P.L. attendance for the year 1974-75 was 1098.19 and 1295.75 respectively.

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

(a) Publication of Articles:

- (1) Dr. N. G. Sanghavi (i) Three hour Creatinine Clearance test in Health and Disease.

- (ii) Oral and intravenous Glucose tolerance test in Uremic patients.
(iii) Efficacy and toxicity of Trime-thoprim sulfamethoxazole in typhoid fever

V.D.—an International menace

(2) Dr. B. S. Verma

(b) National Assignments:

(1) Dr. C. P. Munshi

- (i) Chairman, Scientific Committee, Organising Secretary and Chairman of Panel Discussion on 'Pulmonary Hypertension' at the Second Convention of Physicians of Gujarat.
- (ii) Member on Board of Inspection, Medical Council of India to inspect Behrampur Medical College for M. D. (Medicine) examination and the teaching and staff facilities, January, 1975.
- (iii) Member on Board of Inspection, Gujarat Medical Council—To inspect Surat Medical College regarding facilities, staff and equipment, December, 1974.
- (iv) Chairman of Scientific Committee of Gujarat State Medical Association (I.M.A.) for 1974-75.
- (v) Chairman of Panel Discussion "Medical Cocktail" held at Annual Conference at Morbi, May, 1974.
- (vi) Chairman of Panel Discussion held in 'Coronary Artery Diseases, Hypertension' at the Medical Association, Petlad.
- (i) Elected President, Baroda Surgeons' Association for the year 1974-75 and presented number of interesting cases in its meetings.
- (ii) Editor of monthly journal, 'Medicine and Surgery'

(2) Dr. A. B. Kothari

(iii) Selected as "P. R. Trivedi Oration" Speaker for All Gujarat Medical Conference to be held in May last week at Surat.

(iv) Chairman, Board of Inspection of the Gujarat Medical Council to Inspect the Medical College at Surat in November-December, 1974

(c) Attendance and Participation at Conferences:

(1) Dr. A. B. Kothari (i) All Gujarat Surgeons' Conference held at Ahmedabad in November, 1974.

(ii) Participated in the Golden Jubilee Conference of Indian Medical Association held at Calcutta from 25th to 27th December, 1974.

(iii) 34th Annual Conference of Association of Surgeons of India at Cuttack (Orissa), 27th to 30th December, 1974.

(2) Dr. B. S. Verma (i) 3rd World Conference of International Tropical Dermatology Society of Saopaulo, Brazil

(ii) 2nd Conference of Argentine Dermatology Society, Mendoza

(3) Dr. V. K. Desai All India Ophthalmological Conference at Nagpur

(4) Dr. N. A. Dave Radiological Conference, Maharashtra Branch, Bombay

(d) Awards:

(1) Dr. C. P. Munshi (i) Chairman of Panel Discussion on various medical topics on coronary artery diseases, diabetes at Lunawada under the auspices of I.M.A. G. P. College.

(ii) Elected to the Executive of the Gujarat Medical Council

(2) Dr. B. S. Verma

(i) Chairman of V. D. Symposium of 3rd World Conference at Brazil

(ii) Award of merit for the best contribution in the Conference at Brazil

(iii) Award of merit in the best research paper in the Conference at Argentina

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 :

Particulars	Number
(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	70
(3) Total number of books issued to students during the year	55,000
(4) Total number of books issued to teachers during the year	5,000

The details regarding the stock and expenditure of the library:

	Number	Cost Rs.
(1) Books (including back Nos. of Journals as on 1-4-1974)	17,417	—
(2) Books written off during the year	—	—
(3) Books added during the year (including Back Volumes)	404	16,967-00
(4) Books as on 31-3-1975	17,821	—
(5) Journals subscribed during the year	178	38,189-92
(6) Amount spent on binding during the year		NIL
(7) Total amount spent for Library and/or Reading Room during the year		55,156-99

6. Visitors

(1) Dr. K. K. Dastur	} 18-6-1974 to 20-6-1974
(2) Dr. J. M. Desai	
(3) Dr. J. H. Mehta	
(4) Dr. R. L. Shah	
(5) Dr. Hargovind Khorana	2-11-1974
(6) Dr. A. P. Kenny	23-11-1974

7. Important Event

Open Heart Surgery:

The S.S.G. Hospital with its base of close heart surgery was poised for an open heart surgery. It had all necessary equipments, talented surgeons and other ancillary staff. It needed take off. This was supplied by a team of cardial surgeons and the staff. It was a novel experiment in an indigenous team helping an institution of this country.

In close-heart surgery, without disturbing functioning of the heart, some cardial defects could be corrected; but complicated heart diseases cannot be undertaken, unless functioning of heart and lungs are bye-passed and carried on by mechanical pump and on oxygenation. This helps to perform heart surgery under direct vision and without haste.

Open heart surgery not only presided a highly technical medical and to the afflicted patients, but it helped the training of students in sophisticated surgery.

The inauguration of open cardial surgery placed the medical institution of Baroda on the country's map. It is the only institution of Gujarat and one among the few in the country.

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

1. Functions of the Unit

Research in Ayurveda is the sole object of this Unit. The Unit has a Library, a Museum of Indian Medicinal Herbs and Minerals, a Clinical Laboratory, a Rasa-shala and an Out-Patient Department. Twenty beds are available for Ayurvedic Clinical Research and inpatient treatment.

2. Library

The total number of books is 2,632.

3. 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. A section of Ayurvedic Pharmacological medicine is also maintained. There are about 1,000 Ayurvedic specimens, 54 herbarium frames, 7 originals of Ayurved 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 in India is exhibited in the Museum.

Sixty-seven Ayurvedic herbs are maintained in the garden for fresh juices and quathas that are used in Pharmacy preparations and clinical trials.

4. Work done in the Unit

(1) Rasa-shala

"Amruta Ghana" is being prepared from *Tinospora Cardifolia* in Rasa-shala for clinical trial in Amavato (Rheumatoid arthritis) and other joint diseases.

(2) General Ayurvedic O.P.D.

General Ayurvedic Out-Patient Department was started from 2-11-1973. During the year 1974-75, the following number of patients received treatment from the O.P.D.:

	Old Patients	New Patients
(i) Male	8,193	672
(ii) Female	7,308	539
(-iii) Childern	1,803	189
Total	17,304	1,400
Grand Total	18,704	

(3) Research Work

Name of the Disease	Number of Patients	Remarks
(i) Joint Diseases (Amavata and Sandhivata)	44 (20 for Amavata, 24 for Sandhivata)	20 patients were cured; 15 got moderate relief
(ii) Shir shool (4 Migrane, 2 Sinusitis)	6	2 patients were cured of Migrane and 1 of Sinusitis, others got moderate relief.

(4) Animal Experiments

Animal experiments were undertaken to examine the anti-inflammatory activity of the water extract of *Tinospora cardifolia* and compare it with that of indo methacin—a non-steroidal anti-inflammatory agent and Dexamethasone, a steroidal anti-inflammatory drug in white albino rats.

Effect of compound trafacanth powder (control), the water extract of *Tinospora cardifolia*, Indomethacin, and Dexamethasone treatment on the formation of granulation tissue induced by cotton pellet in rats was as under:

Compound	No. of experiments	Oral Dose Mg/Kg	Mean percentage reduction in weight of the cotton pellet (\pm SE)
Compound Tragacanth	9	320	—
<i>Tinospora cardifolia</i> (extract)	8	250	18.62 \pm 4.78
—do—	8	500	24.35 \pm 5.66
Indomethacin	7	1.00	26.79 \pm 4.49
Dexamethasone	7	0.03	45.72 \pm 6.42

6. Staff Pattern (Revised)

(1) Honorary Head, (2) Project Officer, (3) Honorary Physician, (In Modern Medicines), (4) Research Officer, (5) Assistant Research Officer (Ayurved), (6) Research Assistant (Chemistry), (7) Research Assistant (Ayurved), (8) Pharmacist (Ayurved), (9) Head Clerk, (10) Clerk-cum-Typist, (11) Case Writer, (12) Compounder and (13) Five Class IV employees.

CHAPTER XIII—FACULTY OF TECHNOLOGY AND ENGINEERING

1. New Courses

- (i) A 2-year post-graduate degree course in Metallurgy was introduced from August, 1974.
- (ii) A 2-year post-graduate degree course in Applied Mathematics was introduced from July, 1974.

2. Number of Students

	Men	Women	Total
(i) Diploma	292	1	293
(ii) Post-Diploma Diploma	4	—	4
(iii) Degree	2576	82	2658
(iv) Post-Graduate Diploma	1	—	1
(v) Post-Graduate Degree	70	—	70
(vi) Ph.D.	—	—	—
Grand Total	2943	83	3026

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), 36 Readers, 132 Lecturers, 8 Senior Instructors, 1 Junior Instructor, 12 Teaching Assistants, 1 Visiting Professor, 25 Visiting Lecturers, 167 Class III and 96 Class IV employees.

(b) New appointments:

- (1) Professor Dipak Kumar De, Professor of Textile Engineering
- (2) Shri N. C. Patel, Lecturer in Civil Engineering
- (3) Shri R. K. Patodi, Lecturer in Applied Mechanics
- (4) Shri R. K. Dube, Lecturer in Mechanical Engineering
- (5) Shri S. M. Joshi, Lecturer in Electrical Engineering
- (6) Shri A. K. Das, Lecturer in Drawing
- (7) Shri B. M. Bharuchi, Lecturer in Mechanical Engineering
- (8) Shri M. T. Rupareliya, Lecturer in Pharmaceutics
- (9) Shri S. R. Patel, Lecturer in Pharmacology
- (10) Shri Satish Misra, Lecturer in Metallurgical Engineering
- (11) Professor C. C. Shah, Professor of Mathematics
- (12) Dr. J. M. Lohar, Reader in Chemistry
- (13) Kum. O. P. Sosama, Lecturer in Mechanical Engineering

- (14) Shri P. B. Desai, Lecturer in Mechanical Engineering
 (15) Shri A. K. Manlani, Lecturer in Mechanical Engineering
 (16) Shri K. B. Parikh, Lecturer in Mechanical Engineering
 (17) Shri J. H. Mehta, Lecturer in Electrical Engineering

(c) *Teachers who left during the year ;*

- (1) Shri K. J. Mody, Reader in Mechanical Engineering
 (2) Shri K. P. Desai, Reader in Architecture
 (3) Shri M. M. Pathan, Reader in Electrical Engineering
 (4) Shri S. I. Patel, Lecturer in Electrical Engineering
 (5) Shri A. S. Shah, Lecturer in Mechanical Engineering
 (6) Shri V. N. Patel, Lecturer in Textile Engineering

4. **Professional Growth of the Staff**

(a) *Publication of Articles/papers in India and/or foreign journals of merit:*

Sr.No.	Name	Title	Where published
(1)	Prof. Piyush Parikh	(i) A Technical report on the failure and stabilization of URBC slopes (ii) A Technical report on the washing of clay gauge and cement grouting to treat Kadana foundation faults	Gujarat P.W.D., 1974 Gujarat P.W.D. May, 1974
(2)	Dr. V. S. Thattey and Kum. M. T. Gharpure	The response of singly under-reinforced rectangular cement concrete beams to repeated loads	Journal of Tech. and Engg., No. 19 and 10 of Jan: July, 73 published in 1974
(3)	Dr. V. S. Thattey	An appraisal of strain factors and moments factors for rectangular singly reinforced under cement concrete beams repeated loads	Journal of Tech. and Engg., No. 19 and 10 of Jan. July, 73 published in 1974
(4)	Dr. V. S. Thattey and Shri A. S. Ghirmade	The effects of the revibration of concrete on moment curvature relationship of rectangular R.C.C. beams	Journal of Tech. and Engg. No., 19 and 10 of Jan. July, 73 published in 1974

Name	Title	Where published
(5) Kum. O. P. Sosma and Prof. R. C. Patel	Effect of Fuel Pump throttle proceeding opening on fuel nozzle discharge	Institution of Engineering, Mech. Div., September, 1974
(6) Shri H. J. Shukla	(i) Nomographic evaluation of convective Heat Transfer coefficient for flowing in Turbulent Flow (ii) Nomographic evaluation of film coefficient for fluids flowing in Laminar flow	Chemical Age of India, Vol. 25, No. 5, May, 1974 Chemical Engineering World, Vol. 9, No. 6, June, 1974
(7) Prof. R. C. Desai and Shri G. S. Lalwani	Discrete Maximum principle for system with time delay	E. T. Division Journal of the Institution of Engineer (India), Vol. 55 E.T. 1, December, 1974
(8) Shri R. P. Gupta	In what way can we make best use of our universities to make Technologists better practically trained for immediate use in the Textile Industry?	Journal of Textile Association (JTA), December, 1974
(9) Dr. Dipak De	A modified Tear Model	Journal of Textile Association (JTA) November, 1974
(10) Prof. R. V. Joshi and T. R. Joshi	(i) Ultraviolet and visible thermal glow curves of NaCl: Tl (ii) Effect of Ultraviolet radiation on the absorption of heavily doped KCl: Tl	Journal of M. S. University, 1974 Journal of M. S. University, 1974
(11) Prof. R. V. Joshi and Dr. N. L. Kekan	(i) Glow Curve of thermally pretreated NaCl: Sr.	Indian Journal of Pure and Applied Physics, Vol. 12, No. 1 (1974) 79

Name	Title	Where published
	(ii) Deformation induced Thermoluminescence in NaCl: Sr.	Zeits, Fur. Kristallographic 139 (1974), 153
	(iii) Absorption and thermal glow of X-irradiated NaCl: Sr.	Journal of Luminescence 8 (1974), 338
(12) Prof. A. M. Talati and Shri B. V. Shah	Electron-transfer reactions-II	J. Indian Chem. Soc., 1974, 51, 371
(13) Prof. A. M. Talati and Shri R. N. Kapadia	Cu (II) Chelates of 3, 3'-(4, 4') triphenyl bis-azo ligands	Indian J. Chem. 1974, 12, 767
(14) Prof. A. M. Talati and Shri P. M. Desai	Nickel chelates of Oxime-hydrazones	Indian J. Chem., 1974, 12, 216
(15) Prof. A. M. Talati, and Sarvashri V. N. Mistry and R. N. Kapadia	Thermolysed Polychelate	Curr. Sci., 1974, 43 (II), 342
(16) Dr. A. M. Talati and Dr. K. B. Shah	Ni (II) and Co (II) chelates of 2, 3-dioxobutracilide 2-oxime	India J. Chem., 1974 12, 537
(17) Dr. V. S. Thattey and Shri J. N. Upadhyay	Stress Strain envelope for plain concrete under repeated loading	Fourteenth annual session, Journal of the Institution of Engineers, India, Gujarat Centre, 1974

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

Name of the Teacher	Name, Place and Date of the Conference/Seminar	Title of the paper presented
1	2	3
(1) Shri H. J. Shukla and Prof. R. C. Patel	Proceedings of the Symposium on I.C. Engines and Combustion, I.I.T., Delhi, 1974	Use of Nomograms in selecting primary dimensions of an Engine

Name of the Teacher	Name, Place and Date of the Conference/Seminar	Title of the paper presented
1	2	3
(2) Shri J. R. Raol and Prof. R. C. Desai	Fourth Iranian Conference on Electrical Engineering, Pahalvi Uni., Shiraz, Iran, May, 12-16, 1974	Non-linear Filtering for Systems with Time Delay Using Invariant Embedding
(3) Prof. R. C. Desai	International Symposium on System Engineering Education in Developing Nations, New Delhi, November, 4-7, 1974	Educational Aspects of System Identification
(4) Dr. V. Seshadri	Annual meeting of Indian, Inst. of Metals, Bombay, November, 14-17, 1974	Diffusion of Iron, through Cao-Al ₂ O ₃ slags
(5) Dr. V. Seshadri, Shri D. K. Basa and Shri T. Kumar	Annual meeting of Indian Institute of Metals, Bombay, November, 14-17, 1974	Effect of gassing time and gassing techniques on CO ₂ process sands
(6) Shri R. K. Amin, Dr. V. N. Misra and Dr. V. Seshadri	Annual meeting of Indian Institute of Metals, Bombay, November, 14-17, 1974	Effect of various binders on ion pelletization characteristics of fluor-spar concentrates
(7) Dr. V. N. Misra	Annual meeting of Indian Institute of Metals, Bombay, November, 14-17, 1974	Anodic dissolution of Mild Steel under—74' flowing sodium chloride solutions Structural changes accompanying prerreduction of manganese ores pellets by external coke powders
(8) Dr. A. M. Talati and Shri R. N. Kapadia	Convention of Chemistry, Madurai, December, 1974	Thermal Studies of Metal Complexes
(9) Dr. J. M. Luhar	Vth International Liquid Crystal Conference, Stock-	Exhibition of nematic mesophase in binary

1	2	3
	holm, Sweden, June, 1974	mixture of Schiff Bases Study of mixed liquid crystal formation in mixture of p-methoxy and p-ethoxy benzoic acids
(10) Dr. D. C. Kantawala	(i) Seminar on Environ- mental control in Fertilizer Refinery and Petro-Chemical Industry	Planning for Pollution Control
	(ii) Seminar on Engineer- ing in Chemical Industry.	Studies on Aerobic cultivation of Yeast to reduce pollution potential of Distillery wastes

(c) Talks:

Sr.	Name of the Teacher	University/Institution	Subject of the Lecture
(1)	Dr. S. K. Damle	(i) Railway Staff College, Baroda	Modern Methods of Structural Analysis
		(ii) Staff Training College, Gujarat P.W.D. E.R.I., Baroda	Bridge Bearings
		(iii) Institution of Engi- neers, Vallabh Vidya- nagar, Sub-Centre	Finite Element Techni- ques for Engineering Analysis
		(iv) S. V. Regional College of Engineering, Surat	Finite Element Methods
(2)	Dr. V. S. Thattey	Railway Staff College, Baroda	Soil Mechanics Dealing (4 Lecturer)
(3)	Prof. R. C. Desai	Indian Institute of Techno- logy, Delhi	Identification Technique

(d) Participation in Inservice Programme:

Sr. No.	Name of the Teacher	Programme, Place and Date	Capacity in which participated
(1)	Shri G. B. Sompura	Winter School in Coastal Engg. and Harbour Planning and Design held at KREC Utkal (S.K.), November, December, 1974	Participant
(2)	Shri N. B. Parmar	Winter School in Traffic and Transportation Engg. at Roorkee Engineering College, Roorkee University, November, December, 1974	Participant
(3)	Shri P. D. Vyas	Summer School on Traffic and Transportation Engg. at Punjab Engg. College, Chandigarh, May, 1974	Participant
(4)	Shri P. N. Sutaria	CDO under UGC Scheme for Design Practices for Irrigation Structures	Participant
(5)	Shri S. G. Shah	Real Time Computer Set, I.I.T., Delhi, November, 1974	Participant
(6)	Dr. V. N. Misra	Short course on foundry under Q.I.P. programme at the Dept. of Mechanical Engg. at Indian Institute of Science, Bangalore- 20th January to 3rd February, 1975	Participant

(e) Research Work completed:

Sr. No.	Name of the Teacher	Subject of Research
(1)	Shri N. S. S. Murti	Effect of fluid motion on heavy separation process
(2)	Shri D. K. Basa, Shri T. Kumar and Dr. V. Seshadri	Effect of gassing time and gassing techni- ques on CO ₂ process sands
(3)	Shri R. K. Amin, Dr. V. N. Misra and Dr. V. Seshadri	Effect of various binders on the pelletisation characteristics of fluorspar concentrates
(4)	Shri P. M. Modi	Study of two-dimensional transport diffusion
(5)	Dr. V. S. Thattey	The strain factors and moment factors for single and double reinforced concrete beams under repeated loading

5. Textile and Allied Industries Research Organisation (TAIRO)

(1) TAIRO has participated in the International Textile Exhibition held at Bombay and the following machines were exhibited/demonstrated in working condition to many Textile technicians and Managers:

- (i) TAIRO Open End Single Rotor Unit,
- (ii) TAIRO Shuttle Accurator,
- (iii) TAIRO Automatic Controls on Slasher Sizing Machine and
- (iv) TAIRO Web Super Stripper.

(2) TAIRO has taken the design and development work of Spiral Carding.

(3) TAIRO has undertaken the project to convert the draft from 50 draft to 300 draft on UTI4F drafting system.

(4) One 18" wide Hopper Feeder is being designed and developed at TAIRO for synthetic fibres.

(5) The Scheme on Flatless Card has been started as the Gujarat Government has sanctioned the grant for the said scheme. Stationery Plates are now received from English Card Clothing Co., Ltd., England for the above scheme.

TAIRO is designing and developing a Small Miniature Stationery Flat Card on the lines of Shirely Miniature Card for one of the Laboratories of CSIR at Jorhat.

(5) TAIRO has published the 8th Publication namely 'Automatic Looms' in English.

6. Extra-Curricular Activities

(1) Under the auspices of the Library Association of the Faculty, lectures and talks on various subjects of general and engineering interest by prominent persons were arranged. Students of this Faculty took part in various Inter-Faculty, Inter-University and other Debating and Elocution contests and won prizes.

(2) The Students' Chapter of Institution of Engineers (India), Vadodara screened films of general and technical interest, conducted tours to various industries in and around Baroda and arranged technical lectures by eminent professional men in various fields of engineering. Design competition was also arranged and many students participated. Two students were awarded prizes. A Seminar on Design Competition was held in May, 1974.

(3) Twenty-five films were shown during the months of July, 1974 to January, 1975.

7. Library

The reading room of the Library has a sitting accommodation for 130 readers.

The details regarding the average daily attendance of students and teachers in the Library and/or the Reading Room and the number of books issued to them are given below:

Particulars	Number
(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	10,000
(4) Total number of books issued to teachers	3,000

The stock and the expenditure on the Library and/or the Reading Room are given below:

Particulars	Number of Books	Bound periodicals	Cost in Rs.
(1) Books (including) back numbers of Journals as on 31-3-1975	45212	6136	18,09,545
(2) Books written off during the year	—	—	—
(3) Books added during the year	1591	184	1,29,685
(4) Books as on 31-3-1975	46803	6320	19,39,230
(5) Journals subscribed during the year	217	—	—
(6) Amount spent on binding during the year	—	—	2,750
(7) Total amount spent for Library and/or Reading Room till the end of the year	—	—	19,41,980

8. Visitors

Dr. L. F. Bosewell, Lecturer in Civil Engineering, the City University, U.K. visited the Faculty and delivered six lectures from 6-1-1975 to 11-1-1975.

CHAPTER XIV—FACULTY OF FINE ARTS

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

1. 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	5	1	6
2nd Year	5	—	5
Total :	10	1	11
(b) Diploma:			
1st Year	15	—	15
2nd Year	25	2	27
3rd Year	22	3	25
4th Year	20	2	22
5th Year	17	1	18
Total :	99	8	107
(c) Post-Diploma Diploma:			
Junior	2	1	3
Senior	6	1	7
Total :	8	2	10
(d) Degree:			
1st Year	28	19	47
2nd Year	15	10	25
3rd Year	16	14	30
4th Year	11	5	16
5th Year	6	6	12
Total :	76	54	130
(e) Post-graduate Diploma:			
Junior	1	—	1
Senior	6	—	6
Total :	7	—	7

(f) Post-graduate Degree:

Junior	5	7	12
Senior	6	3	9
Total :	11	10	21

(g) Ph.D.:

	1	—	1
Total :	1	—	1
Grand Total :	212	75	287

In addition to the above, there were 24 non-collegiate students, Government scholars, Commonwealth scholars and students from overseas.

2. Staff

(a) The staff of the Faculty including the Museology Department consisted of 1 Professor in the senior scale, 7 Readers, 20 Lecturers, 1 Assistant Lecturer, 1 Taxidermist, 1 Part-time Photographer, 1 Part-time Instructor, 12 Class III and 17 Class IV employees.

(b) Kumari Nasrin Mohammedi was appointed as Lecturer in Painting during the year 1974-75.

(c) Professor D. G. Godse, Professor of Applied Arts and Shri G. K. Bhatt, Lecturer in Process and Block-making, retired from University services.

3. Professional Growth of the Staff

(a) Publication of articles/papers/books:

Name of the Teacher	Title	Journal
(1) Shri Gulam Sheikh	(i) Tradition and Modernity (Hindi)	(i) "Purva Graha", Bhopal
	(ii) Contemporary Indian Art—Some points (Hindi)	(ii) "Purva Graha", Bhopal
	(iii) Graphic Arts and History (Hindi)	(iii) Dinman, Delhi
	(iv) Graphic Arts and History (Gujarati)	(iv) Kankavati, Surat
	(v) A Book of Poems "Athawa"	(v) Self, October, 1974

Name of the Teacher	Title	Journal
(2) Prof. K. G. Subramanyan	Designed and illustrated two children's books (i) Our Friends— The OGRES (ii) The King and Little Man	Fine Fair Arts 1974
(3) Shri Vinodray Patel	Designed and illustrated children's books	Somli Satakadi
(4) Dr. V. H. Bedekar	(i) Internal Structure of Documentation for Art Museum (ii) ICOM Museum Training—Syllabus and the Problem of Museum Training in India (iii) Museum Exhibit on Fort and Fortifications	Documentation in Museums, Museum Association of India, 1974 Studies in Museology, Vol. IX, M. S. University of Baroda Studies in Museology, Vol. X, M. S. University of Baroda
(5) Shri R. T. Parikh	Newly discovered Bronzes from Tharad District, Banas-kantha	Journal of Oriental Institute, Mahavir Jayanti Special issue
(6) Dr. Ratan Parimoo	Modern Movement in Indian Sculpture	Indian Art since early, 1946, Madras

(b) Papers presented at Seminars and Conferences:

Names of the Teachers	Seminar/Conference	Title of the Paper
1	2	3
(1) Sarvashri Jyoti Bhatt and Gulam Sheikh	Seminar on 'Graphic Arts' arranged by USIS at Calcutta	Graphic Arts and History
(2) Dr. Ratan Parimoo and Dr. V. H. Bedekar	Seminar on 'Indian Miniature Paintings' at Lucknow	Stylistic Study of Naturalism Vis-a-vis Imperial and Popular Mughal Paintings

1	2	3
(3) Dr. V. H. Bedekar	(i) Seminar on 'Problems of Small Museums in India' at Mathura (ii) Seminar on 'Museum Architectural' at Delhi	Architectural Requirement of Small Museums Participated
(4) Shri R. P. Shah	Meeting of the Museum Association of India at Mathura	Problems of Small Museums
(5) Sarvashri R. P. Shah and R. T. Parikh	Seminar on 'Problems of Small Museums in Gujarat' at Ahmedabad	Participated

(c) Lectures/Demonstrations/Talks:

Teacher	University	Subject
(1) Prof. K. G. Subramanyan	Udaipur, UGC Lecturer Scheme	Extension (i) A Perspective on the Indian Tradition (ii) Basis of Indian Art Tradition (iii) The premises of Modern Arts (iv) Art and the other Arts
(2) Dr. Ratan Parimoo	Museum Society Prince of Wales Museum, Bombay	The Paintings of the Three Tagores
(3) Shri Jeram Patel	Indian Institute of Management, Ahmedabad	Lecture and exhibition on "Creative Drawing"
(4) Shri N. K. Sant	Central Gujarat Federation of Commerce and Industries, Baroda	Lecture demonstration on "Window Display"
(5) Shri Narendra Mehta	(i) The Camera Pictorialist of Baroda	(i) Lecture demonstration on "Bas Relief" and "Tone Separation"

Teacher	University	Subject
	(ii) Sarabhai Chemicals, Baroda	(ii) Pictorial Photography
(6) Shri Vishnu-kumar Bhatt	(i) Shri Aurobindo International Educational Centre of Education, Pondicherry	(i) Significance of Indian Art (ii) Renaissance in Indian Art and the Modern Movement in Art

(d) Participation in Inservice or other Programmes:

Teacher	Programme/Organisation	Capacity in which participated
(1) Prof. K. G. Subramanyan	(i) Advisory Committee for the IIIrd Triennale India (ii) Art Seminar held by Lalit Kala Akademi, New Delhi	Member Co-convener
(2) Shri Jyoti Bhatt	The IIIrd Triennale India	Commissioner
(3) Shri M. D. Pandya	Sculptures' Forum of India	Vice-President
(4) Shri H. R. Patel	Executive Committee of the Gujarat State Lalit Kala Akademi	Member
(5) Shri G. C. Bhatt and Kumari Kumud G. Patel	Sub-committees of the Gujarat State Lalit Kala Akademi	Members
(6) Shri Ramesh Pandya	Art Teacher Refresher Course, Rajasthan	Director
(7) Sarvashri Ramesh Pandya, Jyoti Bhatt, S. Katpitia and Gyarsilal	Intensive Puppetry Course at Baroda	Participants

Teacher	Programme/Organisation	Capacity in which participated
(8) Shri Gulam Sheikh	Cultural Exchange Programme of the Government of India	Visited U.S.S.R. and Bulgaria in November-December, 1974
(9) Shri R. T. Parikh	Museum Association of India	Vice-President

(e) Research:

Teacher	Subject of Research
(1) Shri R. T. Parikh	Archaeology of Banaskantha District

4. Exhibitions by Staff Members

- (1) The works of Shri V. R. Patel, Kumari Nasreen Mohammedi, Shri Jeram Patel, Shri Raghav Kaneria, Prof. K. G. Subramanyan and Shri Gulam Sheikh were exhibited in the IIIrd Triennale India, organized by the Lalit Kala Akademi, New Delhi.
- (2) Shri Mahendra Pandya's Sculpture was included in the International Exhibition held at Antwerp (Belgium).
- (3) Shri Gulam Sheikh's Painting was included in the exhibition of Contemporary Indian Art sent to Bulgaria, Poland and Belgium.
- (4) Shri V. C. Shah (Painting), Shri Jeram Patel (Drawings) and Shri G. C. Bhatt (Sculptures) held one-man shows in Bombay.
- (5) Shri N. K. Sant designed a campaign on " Artificial Insemination " for Amul Dairy.
- (6) Shri N. B. Joglekar participated in the Graphic Art Exhibition arranged by " Group 8 " at New Delhi.
- (7) Shri G. C. Bhatt won a prize for Sculpture at the Annual Exhibition of the Gujarat State Lalit Kala Akademi.
- (8) Kumari Kumud Patel was invited as a guest artist to participate in the Annual Exhibition of Gujarat State Lalit Kala Akademi. She arranged an exhibition of Batik Paintings done by the participants of Batik Summer course conducted at the Department of Continuing/Adult Education.
- (9) (a) The Department of Art History arranged the following exhibitions from its archives of photographs and reproductions:

- (i) Print Making from Durer to Jim Dine (Survey of Print making).
- (ii) Survey of contemporary Indian Painting and Sculpture.
- (iii) Exhibition of new colour reproductions purchased and acquired in 1975.
- (b) The Department of Art History purchased 359 new colour slides, received 450 colour slides in exchange and 600 colour slides as gift bringing the total to around 9000 slides.
- (c) Seven original drawings from Pahari and Deccani Schools were added to the Faculty Art Collection.

5. Extra Curricular Activities

- (1) The following students won prizes at the Annual Exhibition of Gujarat State Lalit Kala Akademi:
 - (a) Sarvashri Pravin Patel and Jadav and Ku, Sabrina Desouza for Painting.
 - (b) Kumari Chandra Doshi and Kum. Shakuntala Murdeshwar for Print Making.
- (2) Smt. Lalika Katt won prizes for the Sculptures at AIFACS Annual Exhibition, New Delhi and at Academy of Fine Arts, Calcutta.
- (3) Shri Nirmalendu Das was awarded a Prize at the exhibition of Graphic Art arranged by Group 8, New Delhi.
- (4) Smt. Naina Parimoo won a prize for her Etching at the Bombay Art Society Annual Exhibition.
- (5) The Students Association arranged a Programme on 4th February, 1975 to felicitate Professor K. G. Subramanyan for the National award of Padma Shri.
- (6) As a part of the Silver Jubilee of the University the Fine Arts Fair was arranged during December 1974.
- (7) The following exhibitions were received and arranged in the Faculty Exhibition Hall :
 - (i) Contemporary French Sculpture (Photographs) sent by French Consulate, Bombay.
 - (ii) Howard Hodkin's Screen Prints.
 - (iii) British Print Makers (1968-70).
 - (iv) Photographs from the Royal Photographic Society of Great Britain, sent by British Council, Bombay.

- (v) Photographs by Prafull C. Patel (Forms in Nature).
- (vi) German Industrial Art (Photographs).
- (vii) Durer and his times (Prints) sent by Max Muller Bhawan, Bombay.
- (viii) Cuban Posters from Cuban Embassy.
- (ix) Exhibition of Photographs of Faculty Students' work.
- (x) Screening of Films on Art received from USIS and Films on Graphic Arts received from British Council, Bombay.

6. Library

(a) Books:

	<i>Books (including back numbers of Journals)</i>	<i>Total value in Rs.</i>
Number at the beginning of the year	5849	1,00,745-73
Numbers added during the year	39	2,492-76
Number at the end of the year	5888	1,03,238-49

(b) Periodicals:

The total number of periodicals and journals subscribed to now stands at 14, while the amount spent for this purpose was Rs. 3,102-25. The amount spent for binding was Rs. 486-00.

(c) Circulation of Books:

The statistics of the use of the Library are given below:

(i) Average number of students making use of the Library (daily)	185
(ii) Average number of teachers making use of the Library (daily)	44
(iii) Average number of books issued daily for Home reading	18
(iv) Average number of books issued daily for reading on the premises	404

7. Visitors

- (i) Mr. Carol Summers, Well known Print Maker from U.S.A.
- (ii) Mr. Howard Hoigkins, well known Painter from England.
- (iii) Smt. Nibha Joshi, Art Critic from New Delhi.

CHAPTER XV—FACULTY OF HOME SCIENCE

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

1. Number of Students

Class	Men	Women	Total
(1) B.Sc. (Home)			
(i) First Year	—	212	212
(ii) Second Year	—	187	187
(iii) Third Year	—	135	135
(iv) Fourth Year	—	139	139
Total	—	673	673
(2) Post-graduate Diploma	—	46	46
(3) Junior M.Sc. (Home)	—	44	44
(4) Senior M.Sc. (Home)	—	52	52
Total	—	96	96
(5) Ph.D.	1	6	7
Grand Total	1	821	822

2. Staff

(a) Present Position:

The staff of the Faculty consisted of 3 Professors (one of whom is in the senior scale), 7 Readers, 36 Lecturers, 5 Teaching Assistants, 2 Teachers, 18 Class III and 33 Class IV employees. The Faculty also continued to receive help of the teaching staff of other Faculties for teaching various courses in the Departments of the Faculty.

(b) New Appointments:

- | | |
|---|-----------------------------------|
| (i) Kumari V. B. Shah, | } Lecturers in Child Development. |
| (ii) Smt. Rajalakshmi | |
| (iii) Smt. Nirmala Misra | |
| (iv) Smt. Mrunalini Paur, Lecturer in Foods and Nutrition. | |
| (v) Smt. Annamma Philip, Lecturer in Clothing and Textiles. | |
| (vi) Smt. Kamala Srinivasan, Lecturer in Home Management. | |

(c) Teachers who left:

- (i) Dr. (Kumari) Ella Harrison, Lecturer in Clothing and Textiles.
- (ii) Dr. A. R. K. Das, Lecturer in Biology.
- (iii) Dr. (Smt.) Uma Zacharias, Lecturer in Home Management.
- (iv) Smt. S. Kaul, Assistant Lecturer in Home Management.

3. Professional Growth of the Staff

(a) Publication of Articles:

Name	Title	Where published
(1) Smt. A. Chandra	Reference and research sources in Home Science	Published by Punjab Agriculture University, 1975

(b) Publication of Books:

(1) Smt. K. Parlikar	Marriage and families relation book	Maharashtra University Text-Book Committee, Nagpur, 1975
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(c) Papers presented at Seminars/Conferences, etc.:

Name	Conference/Seminar	Title of the paper
1	2	3
(1) Smt. M. Pathak	62nd Session of the Indian Science Conference As- sociation at Delhi from 3rd to 7th January, 1975	Influence of supplied cues in human figure drawings of pre-school children
(2) Dr. (Kumari) T. S. Saraswathi	Annual Conference of Indian Science Conference, January 3rd to 7th, 1975	Production and Mediation in Children's free recall
(3) Dr. (Kumari) N. Ogale	Seminar-cum-Workshop on 'Social Cultural and economic Aspects of Housing Design, Indian Agricultural University, Ludhiana, 30th January, 1975	Housing values and satisfaction Home makers living in co-operative ownership housing in Baroda

1	2	3
(4) Dr. (Kumari) P. S. Chari	12th Biennial Conference on their acceptance of Home Science Extension Programme November, 8-10. 1974	Effects of value and Social status of urban Home makers on their acceptance of Home Science Extension Programme
(5) Dr. (Smt.) Chandra		

(d) Talks:

Name of the Teacher	University	Subject of the Lecture
Prof. (Kumari) J. A. Singh	College of Home Science, Agricultural University, Pant- nagar	Role of Home Science in Developing the personality of Home Science students

(e) Participation in Inservice and other Programmes:

Name of the Teacher	Programme
(1) Smt. Aruna Dave and Kum. Kiran Parekh	Intensive Training Course on Puppetry, Navarachana Trust Samiti Baroda on 6th to 15th October, 1974
(2) Smt. Aruna Dave and Smt. Nirmala Mishra	Annual Conference of I.A.P.E. at Bhuwa- neshvar held on 27th, 28th and 29th December, 1974
(3) Smt. Nirmala Mishra	Seminar, Ahmedabad, Gujarat Labour Welfare Board (Pre-School Teachers) on 23rd to 26th January, 1975
(4) Smt. Rajlaxmi Sriram	Talks and Discussion on Discipline for children at I.P.C.L. School
(5) Kum. Jyoti Parikh	Seminar arranged by Nutan Bal Shikshan Sangh
(6) Smt. A. Chandra	Seminar of Punjab Society of Extension Educa- tion, Ludhiana, on 17th January, 1975
(7) Smt. A. Rana	Seminar for Student and Hostel Advisor, M. S. University, January, 1975

(f) Research :

Name	Subject
(i) Smt. Rajalaxmi Sriramlu,	Historical Perspective of M. S. Uni- versity Women.
(ii) Smt. Kalpana Parilkar,	Study of Vocational Interests of 3rd Year Home Science students, 1974-75.

4. Activities of newly established and special type of Centres/Units

The play group for children in need of special care works three times a week in the after-noons. It is a new pilot project, and the only one of its kind in India, where a group of children with different defects and handicaps are gathered together in one group and are provided a recreational and therapeutic program. The Faculty of Social Work and the Department of Psychiatry of the Medical College collaborated with the department on this project.

5. Extra-Curricular Activities

- (1) The Faculty Association organised the following programmes for collection of funds for the Silver Jubilee of the University:
 - (i) Shahanai Recital by Ustad Bismillah Khan on 28th and 29th December, 1974.
 - (ii) Dance Recital by Smt. Vijayanthimala on 16th January, 1975.
 - (iii) A Fun Fair on 4th and 5th February, 1975.
 - (iv) A Musical Night by Padmabhushan Lata Mangeshkar on 29th March, 1975.
- (2) A symposium on 'Planning for Better Family Life' was organised as a part of the World Population Year Celebration.

CHAPTER XVI—FACULTY OF SOCIAL WORK

1. New Experiments—Study-Cum-Service-Projects

(i) A new course leading to a Diploma in "Industrial Relations and Personnel Management" was instituted and instruction began from 25th November, 1974. It is designed for those who require formal training in the field of Industrial Relations and Personnel Management for their career development.

(ii) A symposium on "Industrial Relations" was organised on 23rd March, 1975. The main speakers were (1) Shri. K. A. Sheth, Additional Commissioner of Labour, (2) Professor N. R. Sheth, Indian Institute of Management and (3) Shri D. L. Amin, Personnel Manager, Jyoti Ltd. Shri Nanubhai Amin, Director, Jyoti Ltd., Baroda, was in the Chair.

2. Number of Students

The number of students enrolled during the year 1974-75 was as under:

	Men	Women	Total
(1) M.S.W. Junior Class	25	13	38
Senior Class	16	15	31
(2) Diploma in Industrial Relations and Personnel Management	18	—	18
	59	28	87

3. Staff

(a) Present Position:

The staff of the Faculty consisted of 1 Professor, 2 Readers, 7 Lecturers, 1 Agency Supervisor, 1 Teaching Assistant, 9 Class III and 7 Class IV employees. Dr. Jyotsna H. Shah and Shri G. B. Thakkar were invited to teach a course on 'Juvenile Delinquency and Correctional Administration' to the students of the Faculty.

4. Professional Growth of the Staff

(a) Publication of articles/papers:

Name of the Teacher	Article	Name of the Journal published
(1) Shri S. R. Yardi	Professional Journal in the Field of Social Work	Social Work Review, Journal of the Faculty of Social Work, 1974-75

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

Name of the Teacher	Name, Place and Date of the Conference	Title of the Paper presented
(1) Kum. Rekha Mukherji	(i) Gandhi Bhavan, Allahabad University and Institute of Gandhian Studies, January, 1975	Gandhian Techniques to remove concentration of Power
	(ii) Biennial session of International Association of Schools of Social Work held at Nairobi, July, 1974	Teaching of values, ethics and ideologies in Social Work with particular reference to India
(2) Shri S. B. Saxena	Seminar on Waste Reduction in Glass Industry organised by Alembic Glass Ind. Ltd., Baroda, October, 1974	Group Dynamics and Waste Reduction
(3) Shri I. P. Shelat	(i) Basic Education and Gandhian Technique of removing poverty and inequality, organised by Indian Society of Gandhian Studies, Allahabad, February, 1975	Technique for the removal of economic inequality, (Social inequality, cultural disparities and concentration of power) in relevance to the contemporary society
	(ii) The Development of weaker sections (schedule caste and schedule tribes) organised by ASSWI at Madras, December, 1974	Existing pattern of Social Work Training for the Development of weaker sections
	(iii) Social Development with Justice Role of Law and the Government organised by The Indian Council of Social Welfare at Bombay, January, 1975	Eradication of poverty in the context of social development

(c) *Participation in Inservice and Other Programmes:*

Name of the Teacher	Programme	Capacity in which participated
(1) Smt. Varsha Anjaria	(i) Western Regional Conference organised by Association of voluntary agencies for Rural Development at T.I.S.S., Bombay, 15th June, 1974	Participant
	(ii) Group discussion and talk on 'Leadership and Election' at Jeevan Sadhana High School, Baroda, 26th June, 1974	Chairman
	(iii) Friend's Society and M.E.S. Girls High School. 'Leadership Development' organised a camp, September, 1974	Director
	(iv) Conference of leaders of Sayajee Gunj Ward, Baroda (Baroda Citizens Council)	Chairman, Plenary session
	(v) Group discussion on the Employment of Physically Handicapped in Industry at Jyoti Ltd., 29-10-1974	Participant
	(vi) Celebration of "World day of Disabled". 16th March, 1975	Member
	(vii) Central Committee for celebration of International Women's year. 16-3-1975	Member Convener for activities for Family Welfare

5. **Library**

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

	Books including bound periodicals	Pamphlets	Total value in Rs.
1	2	3	4
(1) Number at the beginning of the year	8526	2550	94,286-21

	1	2	3	4
(2) Number added during the year		363	—	3,497-29
(3) Number written off		—	—	—
(4) Number remaining at the end of the year		8889	2550	97,783-50

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

(c) *The statistics of the use of the library are as under:*

(1) Daily average number of readers visiting the library	75
(2) Average number of teachers visiting the library	8
(3) Average number of books issued for home reading	90
(4) Average number of books issued per day for reference	75

6. **Visitors**

Name	Date of Visit
(1) Dr. (Kum.) Prem Pasricha, E.T.A. Officer, U. S. Educational Foundation in India, New Delhi.	26-12-1974
(2) Shri S. K. Majmudar, Director, Research and Training, B. M. Institute, Ahmedabad	27-2-1975
(3) Shri L. M. Shrikant, Ist Commissioner for B.C. and T.W. Govt. of India, Bhil Seva Mandal, Dahod.	19-3-1975
(4) Dr. S. C. Jain, Employment Advisor, Govt. of Gujarat, Gandhinagar	24-3-1975

7. **Shri V.T.K. Institute of Rural Development, Samiala**

The Institute conducted two types of Inservice Training Programmes.

(1) *Social Welfare Training:*

Three batches of 3 month Orientation Course in Family and Child Welfare for Mukhya Sevikas, Bal Sevikas and Grih Sevikas were conducted. Out of 111 women trainees admitted in these courses, 108 completed their training successfully.

Two workshop programmes were organised at Idar (Saberkantha Dist.) and Cambay (Kaira Dist.). Joint workshops of teachers of the Institute and Welfare Officers of the State Board were arranged at Bhuj (Kutch) and Mahuva, to develop reference materials for workers of women and Children programmes in Gujarat.

(2) *Panchayati Raj Training:*

The following courses were conducted:

Course	Duration	Admitted Men	Completed Men
(i) Pre-service Basic Training for V.P. Secretaries	6 months (One batch)	39	39
(ii) Orientation Courses for V.P. Secretaries	21 days (3 batches)	154	154
(iii) Peripetetic Courses	3 days	198	198
		391	391

CHAPTER XVII—FACULTY OF LAW

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

1. Number of Students

Class	Men Students	Women Students	Total
(1) Degree:			
(a) 1st LL.B. (General)	599	85	684
(b) 2nd LL.B. (General)	773	89	862
(c) LL.B. (Special)	71	12	83
Total	1,443	186	1,629
(2) Post-graduate Diploma:			
(a) Diploma in Taxation Laws and Practice (D.T.P.)	183	17	200
(b) Diploma in Labour Laws and Practice (D.L.P.)	52	6	58
Total	235	23	258
(3) Post-graduate Degree:			
(a) LL.M. Part I	24	5	29
(b) LL.M. Part II	26	1	27
Total	50	6	56
Grand Total	1,728	215	1,943

2. Staff

(a) *Present Position:*

During the year the staff consisted of 1 Professor, 2 Readers, 3 Lecturers, 10 Part-time Professors, 2 Visiting Professors, 4 Class III and 4 Class IV employees.

3. Professional Growth of the Staff

(a) *Publication:*

Professor H. C. Dholakia published the new issue of Baroda Law Review—a Journal dedicated to legal scholarship. Articles by eminent scholars and jurists have been included in this publication.

(b) *Participation in Conferences/Symposia/Seminars etc.:*

Name	Conference/Seminar	Paper Read or Presented
(1) Prof. H. C. Dholakia	(i) Seminar on 'Fundamental Rights' at the Indian Law Institute, New Delhi	Freedom of Speech
	(ii) Seminar on 'New Frontiers of International Law' at the Indian Institute of Advanced Studies, Simla	Human Rights
	(iii) Seminar on 'Reform of Legal Education' at the University of Bombay	Case Method
	(iv) Seminar on 'Socio-Legal Aspects of Agrarian Reforms' at Jabalpur University	Policy and Practice
(2) Shri N. N. Buch	All India Law Teachers' Conference at Trivendrum, Kerala	Attended

(c) *Participation in Inservice and Other Programmes:*

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

(2) Shri N. N. Buch, Reader in Law has been elected as a member of the Executive Committee of the All India Law Teachers' Association.

CHAPTER XVIII—ORIENTAL INSTITUTE

1. The main work of the Institute is research and publication of important unpublished works on all subjects related to Indology. In the year 1949, when the Institution was taken over by the University, it had 109 Volumes in the Gaekwad's Oriental Series and 516 other books. The number of publications at the end of March 1975 stood at 158 in the Gaekwad's Oriental Series and 606 other books.

Publications:

(1) Gaekwad's Oriental Series, (2) M. S. University Research Series, (3) Journal of the Oriental Institute (Quarterly), (4) Gujarati Journal 'Svadhyaaya' (Quarterly), (5) M. S. University Oriental Series (Published in the Journal of the Oriental Institute), (6) Critical and Illustrated Edition of the Valmiki Ramayana, (7) Maharaja Sayajirao Memorial Lecture Series, (8) Shri Sayaji Sahityamala, (9) Shri Sayaji Balajnamala, (10) Shri Sayaji Gramavikasamala and (11) Shri Shishujnamala.

2. **Post-graduate Teaching**

Five members of the Institute are recognised as Post-graduate teachers in Sanskrit and Gujarati for guiding M.A. and Ph.D. students.

3. **Staff**

During the year, the staff consisted of 1 Director (Senior scale of Professor), 1 Deputy Director (Reader's Scale), 5 Research Officers (Lecturer's Scale), 10 Class III and 6 Class IV employees. Dr. U. P. Shah continued to work as General Editor and Head of the Ramayana Department (in Professor's grade). Shri J. P. Thaker continued to work as Officiating Deputy Director. The Critical Edition of the Valmiki Ramayana has been completed at the end of March, 1975. The whole staff of Ramayana Department was relieved on 31-3-1975 after office hours.

4. **Professional Growth of the Staff**(a) *Publication of Articles:*

Sr.No.	Author	Title	Where published
1	2	3	
(1)	Prof. B. J. Sandesara	(i) वर्तमान संस्कृत समबन्धु असंस्कृत जीवन	अभिनव भारती पत्रिका, १९७४

1	2	3
(ii)	गुजराती वृत्तपत्रोना अग्रलेखो	महागुजरात रजतमहोरसव अंक
(iii)	अज्ञात कविकृत सत्यमामा गीत	स्वाध्याय पु. ११ अंक ४
(iv)	हीराणदं कृत दीवाली गीत	स्वाध्यय पु. १२ अंक २
(v)	Ksetradesapattaka issued by Acarya Vijayadharanendra- suri of Tapa gaccha (Paper presented before the Prakrit and Jainism Section, All India Oriental Conference, 27th Session, Kurukshetra, December, 1974)	Journal of the Oriental Institute, September- December, 1974 issue Vol. 24, Nos. 1-2
(vi)	Mahavira Vinati, an un- published Hymn to Maha- vira in Old Gujarati by Jayasekharasuri	Journal of the Oriental Institute, Vol. 24, Nos. 1-2, September-Decem- ber, 1974 issue
(vii)	अग्नि एशियाना देशोमां रामायण कथा	अखंड अनन्द अक्टोम्बर १९७४
(viii)	नागपुत्रो	नवचेतन डिसेम्बर १९७४
(ix)	मध्यकालीन गुजराती साहित्य	स्वाध्याय पु. १२ अंक २
(2) Dr. U. P.	(i) रामायणनां शिल्पो	प्रवासी नवेम्बर, १९७४
	(ii) श्रीमद् रामचंद्रनी दृष्टिसे सत्	स्वाध्याय पु. १२, अंक २
	(iii) A few Jaina Bronzes from the National Museum	Journal of the Oriental Institute, Vol. 24, Nos. 1-2, September-Decem- ber, 1974 issue
	(iv) A Rare Relief Sculpture from North Gujarat	East and West, Rome (Italy)
	(v) A Sculpture of Sibi Raja (?) from Dvarika	Dr. D. C. Sircar Felicita- tion Volume
	(vi) Beginning of Jaina Icono- graphy	Jaina Journal, Vol. IX, No. 3

1	2	3
	(vii) Jaina Monk Kalakacharya —A Historical Figure	Brahmavidya, Madras 1974
	(viii) Jaina Miniature Painting in Western India—Brief Survey	Jaina Prakash, Mahavira Nirvana issue
	(ix) Jaina Contribution Indian Art	'Parshad', Gauhatti
	(x) मत्थमिकानी - नारायण वाटिका	हिन्दुमिलन मन्दिर, नवम्बर १९७४
	(xi) पश्चिम भारतीय जन लघु- चित्र (मराठी)	Sadhana (Special issue), Poona
(3) Shri J. P. Thaker	(i) Apramada in Mahavira's Teachings	Journal of the Oriental Institute, Vol. 24, Nos. 1-2, September-Decem- ber issue
	(ii) Section on 'जैन साहित्य- मांधी पारंपरिक वृत्तान्तो'	Political and Cultural History of Gujarat, Vol. IV B. J. Institute of Learn- ing and Research, Ahmedabad
(4) Dr. S. D. Parekh	(i) The Meaning of 'Sataka- purusa'	Journal of the Oriental Institute, Vol. 24, Nos. 1-2
	(ii) पुण्यतीर्थे मुनिश्री पुण्यविजजी उपनिषदोनो परिचय	संतसौरभ, वडोदरा संतसौरभ, वडोदरा
(5) Dr. B. N. Bhatt	Select Contents of Oriental Journals	Journal of the Oriental Institute, Vol. 23, Nos. 3-4
(6) Shri P. H. Joshi	(i) संतपुनितनी सेवा प्रतिभा	संतसौरभ वडोदरा.
(7) Shri B. P. Pandya	(ii) शैव संप्रदाय	संतसौरभ, वडोदरा

(b) Participation in Various Programmes:

(1) Professor B. J. Sandesara presided over a Seminar on 'Comparative Study of Hindi and Gujarati Literature' on 20th June, 1974 during the 26th Session of the Akhil Bharatiya Hindi Parishad held at Vallabh Vidyanagar. He has been on the 11-member National Committee formed by the University Grants Commission to evaluate the teaching and research of Indian Languages in Universities and Colleges in India and to make further recommendations on the subject.

(2) Dr. U. P. Shah continued to work as Honorary Editor of the Journal of the Indian Society of Oriental Art, Calcutta. He has been appointed by the Government of India as member on the Art Purchase Committee of the National Museum, New Delhi, and by the Government of Gujarat as a member on the Committee for purchase of Antiquities etc. for display in the Government Museums during the year 1974-75. He was invited by the University of Bombay to deliver five lectures on 'History and Culture of Gujarat' under the Thakkar Vassonji Madhavji Lecturership Endowment, for 1974-75.

(3) Shri B. P. Pandya attended the 27th Session of the All-India Oriental Conference held at Kurukshetra University, Kurukshetra from 26th—28th December, 1974, and read a paper on "The Sadhanadipika of Sri Gopinathaji—A study".

5. Manuscripts Section

This section has a collection of 25,712 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 97 were added during the year, out of which 43 were purchased and 54 were received as gift from (1) Shri Thakorlal A. Shastri, (2) Shri Jayantilal K. Thakker, (3) Shri M. D. Desai, and (4) Shri Bhaskar J. Bhatt, Baroda.

During the year, 34 manuscripts were lent to other Institutions, 3 to local scholars and 229 were issued for work on the premises of the Institute. No manuscripts were borrowed from outside.

6. Printed Books Section

The institute has a well-equipped library having a collection of 35,950 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	35,313	3,59,672-83
(2) Number added during the year	295	10,422-98
	342 (Gift)	
Total	35,950	3,70,095-81

The total number of periodicals and journals subscribed to and received on an exchange basis now stands at 209 (202 exchange and 7 subscribed).

7. Publications

Gaekwad's Oriental Series:

Uptil now 158 volumes have been published under this Series. The following works were printed during the year:

- (i) Sabarabhasya, Vol. III (printed by Photo Offset Method)
- (ii) An Arabic History of Gujarat, Vol. II
- (iii) Pancharatra Bibliography, Vol. I

The following works are under print:

- (i) Krtiyakalpataru (Pratisthakanda) edited by Shri K. V. Rangaswami Aiyangar (pp. 1-48 printed).
- (ii) Agamapramanya (pp. 1-176 printed)
- (iii) Satyasiddhi (binding stage)
- (iv) Smrticintamani (pp. 1-72 printed)
- (v) Yavanajataka (under print by Photo Offset Method)
- (vi) The Rehla of Ibn Batuta (under print by Photo Offset Method)

8. Translation Branch

Under the Shri Sayaji Sahityamala Series, the following works are under print:

- (i) चक्रनो स्वाध्याय Vol. II—by Shri Bapalal G. Vaidya
- (ii) गुजरातनो पोटरी उद्योग by Shri Shantilal Purohit

9. Ramayana Department

Uttarakanda (Ed. Dr. U. P. Shah)

- (i) All the remaining pages of Uttarakanda Critical Edition including Introduction, Appendices, Title pages etc. are printed and the Edition is published.
- (ii) Pratika—Index is complete and ready.

10. The Journal of Oriental Institute

During the year Nos. 3 and 4 Vol. 23 and nos. 1-2 of Vol. 24 were published and 112 subscribers were registered for Vol. 23 and 24 respectively and 164 copies were sent on exchange basis. The Journal is specially devoted to research studies in Indology and also includes studied papers on Ramayana and allied topics concerning epics and puranas.

A special combined issue of the Journal of Oriental Institute (September-December 1974 issue), Vol. 24 nos. 1-2 was published during the year under report to celebrate the Nirvana of Bhagwan Mahavira. The special issue contained research papers on Jaina Philosophy, History, Literature and Art by eminent scholars from India and abroad.

11. Gujarati Journal 'Svadhya'

Nos. 3 and 4 of Vol. XI and nos. 1-2 of Vol. XII were published during the year. 118 subscribers were registered for Vol. XII and 34 copies were sent on exchange basis.

12. Visitors

<i>Sr. No.</i>	<i>Visitors</i>	<i>Date</i>
1	2	3
(1)	Mr. Myrta Barvie, Argentina, South America	26-4-1974
(2)	Mr. Michael D. Roose, Junior Fellow, American Institute of Indian Studies, Poona.	9-8-1974
(3)	Dr. Tai S. Paik, Department of South and South East Asian Studies, University of California, Government Girls' College, Ratlam.	30-9-1974
(4)	Shri Jogindersen, His Highness Raja Saheb of Mandi, Mandi.	17-12-1974
(5)	Mr. Gregoky Millett Bailey, Post-Graduate Student, Department of Indian Studies, University of Melbourne, Australia.	9-1-1975
(6)	Professor H. Daniel Smith, Professor of Religion, Syracuse University, Syracuse, New York, U.S.A.	15-1-1975
(7)	Dr. R. P. Goldman, Asstt. Professor of Sanskrit, University of California, Berkeley, U.S.A.	11-2-1975

1	2	3
(8)	Lord Orr-Ewing, Member of British Parliament, London.	22-2-1975
(9)	Shri H. C. Sarin, Advisor to the Governor, Government of Gujarat, Gandhinagar.	14-3-1975
(10)	Mr. Kyoshu Tsuchihashi, (Ph.D.Student), Higashino, Yamashina-Kyoto 604, Japan.	20-3-1975
(11)	Mr. Mukan Kakehi, Asstt. Prof. of Komayawa University, Hokkaido, Japan.	20-3-1975
(12)	Dr. Handrik Wichelm Bodewitz, Lecturer in Sanskrit, Kern Institute, Leiden, Holand.	27-3-1975

CHAPTER XIX—COLLEGE OF INDIAN MUSIC,
DANCE AND DRAMATICS

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

1. Number of Student

Sr.No.	Year/Class	Men	Women	Total
(1)	<i>Diploma Courses:</i>			
	1st Year Diploma	152	136	288
	2nd Year Diploma	92	82	174
	3rd Year Diploma	51	63	114
	4th Year Diploma	38	55	93
	5th Year Diploma	31	21	52
	Total	364	357	721
(2)	<i>Degree Courses:</i>			
	1st Year B.Mus.	11	8	19
	2nd Year B.Mus.	9	9	18
	3rd Year B.Mus.	8	15	23
	4th Year B.Mus.	8	10	18
	Total	36	42	78
(3)	<i>Post-graduate Degree Courses:</i>			
	Junior M.Mus.	3	4	7
	Senior M.Mus.	6	3	9
	Total	9	7	16
(4)	<i>Ph.D.</i>	4	3	7
	Grand Total	413	409	822

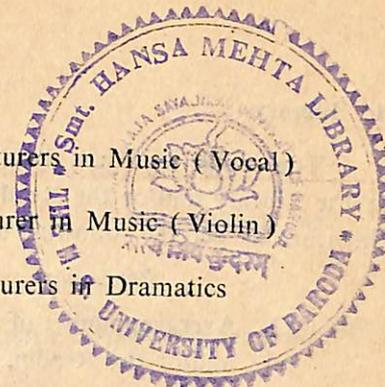
2. Staff

(a) *Present Position:*

The staff of the college consisted of 1 Professor, 1 Hon. Professor, 3 Readers, 20 Lecturers, 12 Assistant Lecturers, 5 Temporary Teaching Assistants, 1 Part-time Ustad, 5 Tabla Accompanists, 9 Class III and II Class IV employees.

(b) *New Appointments:*

(i) Shri V. M. Patel	}	Lecturers in Music (Vocal)
(ii) Shri M. S. Joshi		
(iii) Shri D. K. Bhonsale		
(iv) Shri N. N. Ghanekar	}	Lecturer in Music (Violin)
(v) Shri J. K. Bhatt		
(vi) Shri A. P. Chavla	}	Lecturers in Dramatics
(vii) Shri H. J. Parikh		



3. Extra-Curricular Activities:

- (1) The College Students' Union organized the following:
 - (i) Anniversary Celebrations of Late Pandit Bhatkhande, Pandit Paluskar and Shri Maulanabax on 25-2-1975
 - (ii) Music College Day on 28-2-1975
- (2) The Staff and students of the Music Department paid tributes to Begum Akhtar and Basoolanbai on their demise and the records of both these artists were played on 21st December, 1974.
- (3) Smt. Anjali Merh, Head of the Department of Dance led a tour to East Africa in June, 1974 and gave lecture-demonstration at Mombasa, Nairobi, Nakuva, Kisumu and Mevani.
- (4) The students of the Dance Department presented a performance on Bombay T. V. and it was telecasted on 13th December, 1974.
- (5) Smt. Anjali Merh, Kum. K. Kothari and Kum. Parul Shah gave lecture-demonstrations in Colombo in January, 1975.
- (6) The Drama Department arranged lectures, symposium in the months of September and December, 1974 and January, 1975.
- (7) The Drama Department put up the following plays:

Play	Date
(i) Nirad Chhaya	24-8-1974
(ii) Rati Patti Lal Rani	25-8-1974
(iii) Zerun	25-8-1974
(iv) Karfyu Lovers	27-8-1974
(v) Hun Khovayo Chhu	28-8-1974
(vi) Char Chahera Ek Manas	29-8-1974
(vii) Pavak Bhasma	1-10-1974
	2-10-1974
(viii) Harishchandra Bijo	4-10-1974
(ix) Man Bagade Te Pahela	5-1-1974
(x) Usha Ye Shu Joyu	7-10-1974
	8-10-1974
(xi) Haveli	
(xii) Kahevu Kone	10-10-1974
(xiii) Antar Bahir	11-10-1974

4. Library

The details regarding the average daily attendance of students and teachers in the Library and/or the Reading Room and the number of books issued to them are as per the following statement:

Particulars	Number
(1) Average number of students making use of the Library and/or the Reading Room daily	270
(2) Average number of teachers making use of the Library and/or the Reading Room daily	57
(3) Total number of books issued to students during the year	6755
(4) Total number of books issued to teachers during the year	3726

The following are the figures about the stock and the expenditure on the Library and/or the Reading Room during the year.

Particulars	Number	Cost in Rs. P.
(1) Books (including back numbers of Journals as on 1-4-1974)	7586	64,139-85
(2) Books written off during the year	—	—
(3) Books added during the year	82	2,055-37
(4) Books as on 31-3-1975	7668	64,195-22
(5) Journals subscribed during the year	21	763-90
(6) Amount spent on binding during the year	Nil	Nil
(7) Total amount spent for Library and/or Reading Room during the year :	—	3,819-27

5. Visitors

- (1) In November, 1974 Smt. Rukmini Devi Arundale visited the Department of Dance and saw the new experiments in performing Bharat Natyam in Gujarati Language with traditional karnatic music.
- (2) Mr. Sewitz of the German Language Society visited the Drama Department and delivered a series of lectures on 'European Theatre of the 20th Century' from 2nd to 5th January, 1975.

CHAPTER XX—SANSKRIT MAHAVIDYALAYA

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

1. Number of Students

The number of students enrolled in various classes during the year 1974-75 was as under:

	Men	Women	Total
(1) <i>Pratham Kaksha (Certificate):</i>			
1st Year	28	2	30
2nd Year	28	—	28
3rd Year	10	—	10
Total	66	2	68
(2) <i>Madhyam Kaksha (Visharad):</i>			
1st Year	21	3	24
2nd Year	7	2	9
3rd Year	4	1	5
4th Year	1	—	1
5th Year	1	1	2
Total	34	8	42
(3) <i>Uttam Kaksha (Shastri):</i>			
1st Year	3	—	3
2nd Year	7	1	8
Total	10	1	11
(4) <i>Uttam Kaksha (Acharya):</i>			
1st Year	2	—	2
2nd Year	4	—	4
Total	6	—	6
(5) <i>Vachaspati</i>	1	—	1
Grand Total	117	11	128

2. Staff

During the year under report, the staff of the institution consisted of the Principal, 11 Adhyapakas, 2 Honorary Adhyapakas, 2 Class III and 4 Class IV employees.

Shri D. A. Rakhe retired on 27-4-1974 and was re-employed for the teaching of Rigveda Yajniki.

3. Professional Growth of the Staff

(a) Publication of Articles:

Sr.No.	Name	Title	Where published
(1)	Dr. A. N. Jani	वाणी वंदना	"Surabharati", 1974-75
(2)	Dr. J. R. Pathak	नामार्थतत्त्वम्	" "
(3)	Shri L. J. Jha	प्रत्यक्षं ज्यौतिषशास्त्रं दर्शनं कैर्न ज्ञायते ?	" "
(4)	Shri S. Y. Mishra	गीतातत्त्वविमर्शः	" "
(5)	Shri S. V. Bhattbhatt	सृष्ट्यादिविमर्शः	" "
(6)	Shri V. B. Prakashker	भारतीयोंऽगुस्फोटः	" "
(7)	Shri L. G. Shukla	शारदाम्बास्तवनम्	" "
(8)	Shri V. B. Prakashker	कथमपि भुवनेऽस्मिन्तादृशाः संभवति	" "

(b) Extension Lectures, Talks:

Sr.No.	Name	Date	Subject
(1)	Dr. A. N. Jani	27-7-1974	पांक्तज्ञान
(2)	Shri S. Y. Mishra	24-9-1974	शाब्दबोधप्रकारः
(3)	Shri L. J. Jha	14-9-1974	ज्यौतिष दर्शनम्
(4)	Dr. J. R. Pathak	28-9-1974	यजुर्वेदोक्ता राजधर्माः
(5)	Shri V. B. Prakashker	12-10-1974	व्याकरण शास्त्रस्य दर्शनत्वम्
(6)	Shri S. V. Bhattbhatt	30-11-1974	संस्काराः
(7)	Shri J. B. Shukla	25-2-1975	भक्तियोगः

(c) Principal, Dr. A. N. Jani attended the 27th Session of the All India Oriental Conference held at Kurushetra from 27th to 29th December, 1974 and gave a presidential address on "Sanskrit—its past, present and future and survey of creative literature in Classical Sanskrit during the year 1972-74".

4. Library

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

Sr.No.	Particulars	Number
(1)	Average number of students making use of the Library and/or the Reading Room daily	20
(2)	Average number of teachers making use of the Library and/or the Reading Room daily	14
(3)	Total number of books issued to teachers during the year	300

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 numbers of Journals) as on 1-4-1974	5158	19,489-85
(2)	Books written off during the year	—	—
(3)	Books added during the year	34	164-50
(4)	Books as on 31-3-1975	5192	19,654-35
(5)	Journals subscribed during the year	1	30-45
(6)	Amount spent on binding during the year	—	—
(7)	Total amount spent for Library and Reading Room during the year	—	194-95

5. Extra Curricular Activities

(1) The Institution celebrated the Shardsava during the month of October, 1974 and the Kalidas Jayanti on 14th December, 1974.

(2) Antyakshari Competition in Sanskrit was arranged on 11th February, 1975 with a view to providing incentive to the students to commit to memory subhashitas from the works of Sanskrit authors.

(3) Elocution competition in Sanskrit was held on 15th February, 1975 for the award of the Medal of Sharda Peeth Jagadguru Shankaracharya Shri Abhinav Sacchidanand Tirthaji Maharaj.

6. Publication

The twelfth issue of 'Surbharati' the annual publication in Sanskrit was published with the co-operation of the staff and students of the Institute.

7. Visitors

Shri Vasant Gadgil, Editor of Sharda, Poona visited the Institute on 8th February, 1975.

CHAPTER XXI—PREPARATORY UNIT—ARTS AND COMMERCE

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

1. Number of Students

The number of students enrolled in different classes in the year 1974-75 was as under:

<i>Class</i>	<i>Men</i>	<i>Women</i>	<i>Total</i>
(1) Preparatory Course in Arts	810	370	1180
(2) Preparatory Course in Commerce	625	335	960
Total	1435	705	2140

2. Staff

There are on the staff of the Unit a Head, one Assistant to the Head, 6 Class III and 7 Class IV employees.

3. Extra Curricular Activities

Students of this Unit participated this year also in activities, such as Cultural programmes, Debates, Sports, Tours, N.C.C., N.S.S., Air Wing, Boating, Swimming etc. Two students of Preparatory Arts class were selected this year for Ranjit Trophy Cricket Team of Baroda. Two students excelled in Gymnastics both at the State and National levels. Twelve students were awarded Government Merit Scholarships.

4. Contribution to Silver Jubilee Funds

The Preparatory Unit collected about Rs. 2,000/- towards the University Silver Jubilee Fund. The Unit also collected about Rs. 2,000/- for Famine Relief Fund. The students of the Unit willingly contributed one rupee each for both the Funds. They also sold some University Seals.

CHAPTER XXII—PREPARATORY UNIT—SCIENCE

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

1. Number of Students

During the year there were 961 men students and 227 women students. The total number of students was 1,188.

2. Staff

There are on the staff of the Unit a Head, a Teacher Supervisor, 5 Class III and 7 Class IV employees.

3. Extra Curricular Activities

(1) One student of the Unit represented in All India Inter-University Foot Ball tournament held at Kolhapur. He was also selected as a player for Gujarat State Team by the Baroda District Football Association.

(2) One student of the Unit who was sent to participate in the 24th Gujarat State Olympic Sports at Rajpipla stood second in Decathlon.

(3) Students of the Unit participated in Debates, Garba, Group Songs, Drama, Classical Dance, etc. at the University Youth Festival.

(4) Guidance classes were conducted in Chemistry, Physics, Mathematics, Biology and English for weak students in the first term.

(5) The students contributed Rs. 1,307 for the University Silver Jubilee Fund. They also collected Rs. 100/- through the sale of seals of the Silver Jubilee. An amount of Rs. 1,001/- was also donated for Shrimad Bhagvat Saptah organised by the M. S. University Employees Association for the University Silver Jubilee Fund.

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

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

1. Number of Students

Year/Class	Men	Women	Total
(1) Preparatory Arts	106	25	131
(2) Preparatory Science	104	8	112
(3) Preparatory Commerce	234	26	260
Total	444	59	503
(4) F.Y.B.A.	80	21	101
(5) S.Y.B.A.	41	12	53
(6) T.Y.B.A.	20	10	30
Total	141	43	184
(7) F.Y.B.Com.	178	13	191
(8) S.Y.B.Com.	134	7	141
(9) T.Y.B.Com.	64	9	73
Total	376	29	405
Grand Total	961	131	1,092

2. Staff

(a) Present Position:

During the year, the staff of the College consisted of one Principal, 23 Lecturers, 3 Teaching Assistants, 3 Part-time Teachers, one Physical Instructor, 16 Class III and 14 Class IV employees.

(b) New Appointments:

- (1) Shri S. B. Pedgaonker, Lecturer in Commerce.
- (2) Sarvashri Y. O. Parikh, M. B. Majmudar and Kumari V. Parmar as Teaching Assistants in Economics, Accounts and Statistics respectively.

(c) Teachers who left the University:

Kumari N. R. Amin, Lecturer in Commerce.

3. Professional Growth of the Staff

(a) Publication of Articles/Papers:

Sr.No.	Name	Title	Name of the Journal
(1)	Dr. L. M. Desai	વેરાન જીવન	"Swadhyaya" April, 1974
(2)	Dr. R. D. Pathak	(i) અખાની ભાષા	Golden Jubilee issue S.N.D.T. College, Baroda, October, 1974
		(ii) ગુજરાતના દેશી ગીતો નો પ્રકાર	"Swadhyaya" Vol. 10 (3), Oriental Institute, M. S. University Baroda, 1974
		(iii) અખે ગીતા	"Venela Moti", 1974
		(iv) અખાની હિન્દી રચનાઓ	"Sahityakar Akha", pub- lished by Premanand Sahitya Sabha, Baroda, 1974-75

(b) Publication of Books:

Sr. No.	Name	Title	Name of the Books published with month of publication
(1)	Dr. L. M. Desai	સંસ્કાર વાર્તાઓ ભાગ ૧ અને ૨	Gujarat Divya Jivan Sangh, Shri Shivanand Sahitya Prachar Samitee, Ahmedabad, Septembre, 1974

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

Sr. No.	Name of the Teacher	Name, Place and Date of the Conference/Seminars	Title of the paper present
(1)	Dr. V. P. Fadia	All India Science Congress, Delhi, 3rd to 7th January, 1975	(i) The micronutrients for growth and relationship in Cucumis callus tissues cultured in vitro (ii) Induced growth and Morphogenesis in plant tissues cultured in vitro

(d) Talks given at different Universities:

Sr. No.	Name of the Teacher	University	Subject of the Lecture
(1)	Dr. L. M. Desai	(i) Music College (M. S. University of Baroda) and present 16th October, 1974	One Act Play: its past and present
		(ii) Premanand Sahitya Sabha, Baroda	The Saint and Philosopher Shriman Nrusinhacharyaji

(e) Participation in Inservice Programme:

Sr. No.	Name of the Teacher	Programme	Capacity in which participated
(1)	Shri O. P. Joneja	(i) U.S.I.S. Contemporary American Fiction Seminar, M. S. University of Baroda, July, 1974	Participant
		(ii) U.G.C. British Council English Literature Seminar, Poona University, Poona, 8th to 15th January, 1975	Participant

4. Extra Curricular Activities

- (1) The students participated in Debates, Hobby Workshop, Music and Drama Competitions, University Sports, Indoor and Outdoor Games and won prizes in 10,000 Metres Running, Pole Vault and Hammer Throw.

- (2) The following talks were arranged at the College:

Speaker	Subject
(i) Dr. Dixit	Blood Donation
(ii) Dr. H. L. Dholakia	Crisis breawing in Business
(iii) Shri I. K. Dave	Masta Rangi Kavi Kalapi

5. Library

The College has a separate Library,

Particulars	Number
(1) Average number of students making use of College Library and/or the Reading Room daily	500
(2) Average number of teachers making use of Library and/or the Reading Room daily	32
(3) Total number of books issued to students during the year	31,000
(4) Total number of books issued to teachers during the year	7,500

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 1-4-1974	7,965	1,01,622-97
(2) Books written off during the year	—	—
(3) Books and Back Volumes of Journals added during the year	130	4,243-52
(4) Books and Journals as on 31-3-1975	8,095	1,05,866-49
(5) Journals subscribed during the year	37	1,497-48
(6) Amount spent on binding during the year	—	814-70
(7) Total amount spent for Library and/or Reading Room during the year	—	6,555-70

6. Other Events

(1) With the co-operation of the V.T.K. Institute, a donation show was organised on 26th October, 1974 and a net amount of Rs. 6,585/- was collected and credited to the Silver Jubilee Fund of the University.

(2) Kavi Shri Sundaram, the well-known poet and disciple of Shri Aurbindo Ghosh Philosophy visited the College on 6th December, 1974 and gave a literary talk to the students and the staff.

CHAPTER XXIV—POLYTECHNIC

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

1. Number of Students

	Men	Women	Total
<i>(A) Regular Diploma Courses:</i>			
(1) Civil Engineering	476	1	477
(2) Mechanical Engineering	506	—	506
(3) Electrical Engineering	361	1	362
Total	1343	2	1345
<i>(B) State (Extended) Diploma Courses:</i>			
(1) Civil Engineering	72	—	72
(2) Mechanical Engineering	172	—	172
(3) Electrical Engineering	162	—	162
Total	406	—	406
<i>(C) Model Diploma Courses in Petro-Chemical Technology:</i>			
(1) Technology of Processing of Oil and Gas	98	1	99
(2) Technology of Production of Synthetic Resins and Plastics	103	2	105
(3) Technology of Production of Fertilizers and Acids	96	1	97
Total	297	4	301
Grand Total	2046	6	2052

2. Staff

(a) Present Position:

The staff of the Polytechnic consisted of 1 Principal (Professor), 3 Readers, 54 Lecturers, 26 Senior Instructors, 1 Assistant Lecturer, 7 Visiting Lecturers, 60 Class III and 61 Class IV employees. Dr. V. Y. Zezekalo, USSR expert in Technology of Synthetic Resins and Plastics helped the Polytechnic in teaching as well as organising Model Diploma courses in O.P.F. Technology.

(b) New Appointments:

Sarvashri D. J. Gandhi, R. J. Shah, J. H. Shah and R. P. Patel, Senior Instructors in Petro-Chemicals Department.

Sarvashri K. P. Chokshi and N. M. Surana, Lecturers in Civil and Chemical Engineering respectively.

(c) *Teachers who left the University:*

- (i) Shri S. V. Dewaskar, Lecturer in Civil Engineering
- (ii) Shri H. S. Sheth, Lecturer in Mechanical Engineering
- (iii) Shri H. N. Mazumdar, Lecturer in Mathematics
- (iv) Shri R. C. Desai, Lecturer in Applied Mechanics

3. Professional Growth of the Staff

Dr. H. B. Patel, Lecturer in Physics, Polytechnic, read his research paper on "Digester—a source of Bio-electricity" and participated in a Symposium on "Waste Management" at the XV World's Poultry Science Association and Exposition, held at New Orleans, U.S.A. in August, 1974.

4. Library

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

	<i>Books including bound periodicals</i>	<i>Total value in Rupees</i>
(1) Number at the beginning of the year	15915	2,64,274-97
(2) Number added during the year	386	9,482-97
(3) Number withdrawn from the record	87	977-14
(4) Number remaining at the end	16214	2,72,780-80

The library subscribed to 53 Periodicals. The total amount spent for the subscription of the periodicals was Rs. 3429-35 and the amount spent for binding was Rs. 1474-20.

Statistics for the use of the Library are given below:

(i) Daily average number of readers making use of the Library	293
(ii) Average issue of books for Home Reading per day	87
(iii) Average issue of books for Reading Room per day	40
(iv) Total number of students registered	1330

5. Extra-Curricular Activities

(1) *Exhibition of Educational Films:*

Seven films shows were arranged during the year.

(2) *Co-operative Stores:*

The Polytechnic runs a Co-operative Store. The articles for the normal use of engineering students are made available at reasonable prices.

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

1. Programmes and Activities

Some of the processes and activities initiated in previous years for developing an infra-structure for the new Centre were continued to ensure its effective functioning and gradual growth. Some of these processes will continue till the Centre becomes a viable organization within the University structure.

The educational programmes and activities undertaken during the current year are described below:

(1) The Centre conducted the following Summer School Courses in April-May, 1974:

<i>Sr. No.</i>	<i>Title of the Course</i>	<i>Duration</i>	<i>Enrolment</i>
(i)	Foreign Exchange	3 weeks	114
(ii)	New Mathematics for Parents	2 weeks	23
(iii)	Screen Printing	2 weeks	21
(iv)	Batik on Textile	2 weeks	26

(2) Part-time Post-graduate Certificate Course in Industrial Purchasing and Material Management was started in August, 1974 and 70 participants were enrolled for the course.

(3) Part-time Post-graduate Certificate Course in Marketing Management was started in April, 1974 and 20 participants were enrolled for the course.

(4) Part-time Certificate Course in Library Science of 4 months duration at the Under-graduate level was started in July, 1974 for 39 participants. The second time the course was offered in December, 1974 and enrolment was 40.

(5) The Centre for Continuing/Adult Education in collaboration with the Baroda Citizens Council arranged three weeks short term course for 15 pregnant mothers in Bhailalbai Amin Hospital, Gorwa Road, Baroda in August-September, 1974.

(6) A function to award the Certificates to the successful trainees was organised on 31-8-1974 in the General Education Auditorium.

Name of the Course	Number of Certificates Awarded
(i) Screen Printing	21
(ii) New Mathematics for Parents	23
(iii) Foreign Exchange	114
(iv) Batik on Textile	25
(v) I.P.M.M.	41
(vi) Tax Management	10

(7) An exhibition of 'Batik and Textiles' was put on display on 31st August and 1st September, 1974.

3. Staff

(a) Present Position:

The staff of the Centre consisted of one Professor, One Reader, three Lecturers, 2 Class III and 1 Class IV employees.

(b) New Appointments:

Dr. B. G. Desai and Dr. (Kum.) Malthi Chakravorty were appointed as temporary Professor and Reader respectively in the Centre.

(c) Teachers who left the University:

(i) Dr. S. Kapoor, Professor and (ii) Dr. A. S. Abani and (iii) Kumari T. P. Bhavnagri, Lecturers.

4. Professional Growth of the Staff

(1) Dr. B. G. Desai participated in a Seminar on 'Continuing Education in Indian Universities' organised by the Gujarat State Social Education Committee at Ahmedabad.

(2) Dr. (Kumari) Malthi Chakravorty presented a paper on 'Contribution of Home Science in Community Services' at the Annual Meeting of Home Science Conference (Gujarat Branch) at Ahmedabad in August, 1974. She also published a paper on 'Analysis of Poverty' in Indian Journal of Home Science in Different Societies'—Volume 8, No. 1, April, 1974.

5. Future Programme

The Centre is presently planning a three directional programme incorporating long term courses for specialist training and for general training; short term courses to bring about professional betterment and occupational equipment and a variety of programmes geared to Community Services.

CHAPTER XXVI—SHRIMATI HANSA MEHTA LIBRARY

I. Acquisition Notes

(1) Books:

The University Grants Commission sanctioned a basic grant of Rs. 5,00,000 for purchase of books and journals 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. The grant is to be utilized within two years.

The Library received a sum of Rs. 2,16,000 from the University towards the recurring expenditure on subscription of periodicals and for purchase of textbooks and reference books.

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

Institution	Number of Books
(i) Smt. Hansa Mehta Library (which includes books for the Faculties of Arts, Science, Education and Psychology, Commerce, Law, Home Science, Preparatory Unit—Arts, Commerce and Science, Department of Museology and the Centre for Continuing/Adult Education and Community Services)	5,263
(ii) General Education Centre	12
(iii) Faculty of Technology and Engineering	1,591
(iv) Faculty of Fine Arts	39
(v) Faculty of Social Work	363
(vi) College of Indian Music, Dance and Dramatics	82
(vii) Oriental Institute (Printed Section)	637
(viii) Polytechnic	396
(ix) Sanskrit Mahavidyalaya	34
(x) Centre of Advanced Study in Education	333
(xi) M. K. Amin Arts and Science College and College of Commerce, Padra	124
Total	8,874*

* This includes 2,399 books received as gift.

The following statement gives the details of the 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 the year	2,67,097	35,872	16,502	248	862	57,64,200-28
(ii) Number added during the year	5,263	2,124	425	—	3	4,44,659-50
(iii) Number withdrawn from the records	1,817	—	276	—	—	14,307-49
(iv) Number remaining at the end of the year	2,70,543	37,996	16,651	248	865	61,94,552-29

(2) Periodicals

The total number of periodicals and scholarly journals subscribed to during the year was 894. The number of bound periodicals added to the stock was 2,124.

2. Cataloguing Section

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

(A) Books classified and catalogued during the period:

(1) New Accessions to University Library	5,263
(2) New Accessions to the Faculty Libraries	3,611
(3) Gift from Shri Rangildas Kapadia	1,857
	<hr/>
	10,731
(4) Bound periodicals catalogued and classified	2,124

(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	15,789	18,055	33,844
(2) Cards filed in the catalogue	15,789	18,055	33,844

3. Circulation Section

As usual, the working hours of the Library for the whole academic year i.e. from April to March 1975 (except in the month of July) were from 8-00 a.m. to 10-00 p.m. This year the examinations were held in the months of May and June due to disturbance in the whole of Gujarat. The Library remained open from 1st May to 15th June, 1974 from 8-00 a.m. to 10-00 p.m. to provide facility to the students for preparation for their examinations. It remained open on almost all Sundays and Holidays during the academic year. From 16th June to the end of July the Library remained open from 11-00 a.m. to 5-30 p.m. only. It remained closed on Sundays and Holidays during these two months.

In the months of April and May, 1974 and February-March, 1975 the Central Hall Reading Room was kept open for reading purpose for the F.Y. students. This reading room accommodates 225 readers and contains all the prescribed and recommended books for the students.

In the months of September and October, 1974 and February, March, 1975 the Cellar of the General Education Building was kept open for reading purpose for the Preparatory students. This reading room accommodates 200 readers and contains all the prescribed and recommended books for the Preparatory students.

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

(1) Post-graduate Students	1,398
(2) Under-graduate Students	6,772
(3) Research Scholars, Assistants, Fellows	81
(4) University Teachers	633
(5) Others	521
	<hr/>
Total	9,405

The statistics of the use of the Library are as under:

(1) Daily average number of readers visiting the Library	2,500
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(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 General Education i.e. Cellar	200
(4) Total number of books issued per day for reading:	1,251
(i) Average number of books issued per day for home reading room from General collection	266
(ii) Average number of books issued per day from curricular collection	379
(iii) Average number of books issued per day from reading of the General Education i.e. Cellar	37
(iv) Average number of books issued per day from the Central Hall Reading Room	35
(v) Average number of books issued per day for reference from stacks	534
(5) Average number of books issued per reader in the year	38

4. Reference Section

(1) Reference Service to Readers:

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

(2) Orientation Programme:

In the beginning of the academic session, the Reference Section conducted an Orientation Programme intended to acquaint with and familiarize the new entrants to the working of the various sections of the Library. The various practices and procedures followed by the library, the arrangement of books on the shelves and other technical devices were explained to them so that they would be able to make the best use of the library and help themselves in finding out their requisite materials.

(3) Exhibitions:

During the period under review the exhibitions of books, pamphlets and photographs on the following topics and persons were arranged:

(a) *Special Exhibition:* (i) Reading habits, (ii) Awarded Gujarati Books, (iii) Sardar Vallabhbhai Patel, (iv) Indian Architecture, (v) Our Plants, (vi) Women World.

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

(4) Bibliographical Activity:

Bibliographies on the following topics were compiled during the period:

(i) Interior Decoration, (ii) Sardar Vallabhbhai Patel, (iii) German Language and Literature, (iv) Reference Books in Gujarati Language, (v) Books by and on Robert Graves, (vi) Women World, (vii) Cookery.

(5) UNESCO Information Centre:

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

(6) The National Library Week:

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

(i) A special exhibition of books, pamphlets, photographs, etc. was arranged on the "Development of Libraries in India".

(ii) Students of different schools of Baroda were invited in groups to visit the library. A brief talk was given to them on the "Advantages of the better use of Libraries".

(7) Theses and Dissertations:

(i) During the year 181 theses and dissertations were added to the collection of 2,787, bringing the total collection to 2,964.

(ii) During the period under report, 1,226 readers consulted the theses and dissertations.

(iii) A descriptive list of Ph.D. theses received in the Library from January, 1974 to December, 1974 was published.

(8) Reference Material:

During the period, 1,410 readers consulted the reference books and other reference material.

(9) Extension Services:

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

(10) Pamphlets Collection:

The Reference Section has a sizable collection of pamphlets. The following statement gives the details of Pamphlets Collection in the Library during the year:

(i) Number at the beginning of the year	16,506
(ii) Number added during the year	425
(iii) Number withdrawn from the record	276
(iv) Number remaining at the end of the year .	16,655

5. Teaching of Library Science

Thirty-one students appeared and passed the Bachelor of Library Science Examination, four in first class, twenty-one in second class and six in pass class.

CHAPTER XXVII—THE MAHARAJA SAYAJIRAO UNIVERSITY
OF BARODA PRESS

1. Staff

During the year, the staff of the Press consisted of a Manager, a Deputy Manager, an Assistant Manager, a Head Clerk (Accounts and Stores), one Head Proof-Reader, one Senior Proof-Reader, one Junior Proof-Reader, a Copy Holder and a Clerk. There are 39 permanent workers in the Press. Shri R. G. Patel was appointed as Press Manager and Shri V. C. Trivedi, Head Proof Reader was promoted as Assistant Manager.

2. Machinery

The Press has machinery worth Rs. 3,44,121 including machines worth Rs. 1,19,350 purchased from the grant of the University Grants Commission and the State Government.

3. Printing Activities

During the year, 1131 and 285 examination papers were printed under conditions of secrecy for various University Examinations. The Press also printed Syndicate and Senate proceedings, Details of Establishment, Magazines, Annual Accounts, Budget Estimates, Annual Report, Questionnaires, Pamphlets, Certificates, General forms, Prospectus, Souvenirs, Book-works etc. of the Faculties and Institutions. The University Press works for the University Publications, Magazines, Stationery, Printed forms etc. purely as a Service Department from April, 1967.

(A) The following is the list of books printed by the Press and published during the year:

Name of the Book	Publishers
(1) Part III of the Hand-Book	Faculty of Law
(2) Some Aspects of the Historical Geography of Surat	Faculty of Science
(3) Automatic Looms	TAIRO
(4) Part III of the Hand-Book	Faculty of Education and Psychology
(5) Part IV of the Hand-Book	
(6) આપણાં સુશીલન વક્તો	Oriental Institute

Name of the Books	Publishers
(7) Studies in Teaching and Teacher's Behaviour	CASE
(8) Part III of the Hand-Book	Faculty of Science
(9) संत सौख	M. S. University Karmachari Mandal
(10) Ramayan—A Critical Ed.—Vol. VII UTTARAKANDA	Oriental Institute
(11) Museums Today (Hindi)	Museology Department
(B) The following Journals were printed during the year:	
(1) Journal of M. S. University of Baroda, (2) Journal of Oriental Institute (Quarterly), (3) Journal of Animal Morphology and Physiology (Half yearly), (4) Swadhyay (Quarterly), (5) Journal of Technology and Engineering (Half yearly), (6) The Baroda Journal of Nutrition (Half yearly), (7) Studies in Museology (Yearly) and (8) Pavo (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 purchases and distributes stationery every quarterly to all Faculties and Institutions and the University Office. The office consists of one Senior Clerk, one Stationery Clerk, one Riksha Driver-cum-Stationery Distributor and one helper. During the year Stationery articles worth Rs. 2,43,885/- were purchased and Stationery articles worth 2,84,029 were distributed.

5. University Publication Sales Unit

This Unit is 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 was Rs. 89,193.

CHAPTER XXVIII—THE MAHARAJA SAYAJIRAO UNIVERSITY UNION

1. Executive Committee

For the academic year 1974-75 Dr. A. R. Mehta and Shri C. D. Amin were appointed as President and Treasurer of the M. S. University Union. Since the term of Dr. A. R. Mehta was over by December, 1974, Shri C. D. Amin was appointed as President from 1st January, 1975 and Shri A. C. Patel was appointed as Treasurer from 26th February, 1975.

Elections for the Vice-President, General Secretary and Faculty Representatives were held on 6th August, 1974, Shri P. K. Brahmhatt was elected as Vice-President and Shri P. S. Patel as General Secretary. There were 47 representatives elected by the students of respective Faculties and Institutions. Shri A. P. Hathi and Dr. S. D. Ambegaokar were nominated by the Syndicate.

The first meeting of the Executive was held on 24th August, 1974 for the election of Sectional Secretaries and allocation of various portfolios.

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

(1) University Board of Sports	(1) Shri P. S. Patel
	(2) Shri V. G. Patel
(2) University Student Welfare Board	(1) Shri M. A. Mansuri
	(2) Shri P. S. Patel
	(3) Shri K. N. Patel
(3) University Student Aid Fund Committee	(1) Shri Y. G. Shah
	(2) Shri K. N. Patel
	(3) Shri P. S. Patel

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

(1) Indoor Games (Badminton and T.T.):

Teams were sent to participate in the Inter-University Badminton Tournament at Indore, Inter-University Table Tennis and Chess at Nagpur and Madras respectively. They put up a good show at the tournaments.

(2) Hiking Club:

During the year, the club sent a team of about 20 students for Basic Rock Climbing Course at Manali. 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:*

<i>Name of the Trophy</i>	<i>Subject</i>
(i) Pro-Vice-Chancellor Trophy Debate in Gujarati	“ સ્ત્રી એ પુરૂષ સમોવડી બની ને આજના સમાજમાં વિટંબલાએ ભણી કરી છે. ”
(ii) Vice-Chancellor Trophy Debate in English	“ In the opinion of the house, Man's political rights alone are meaningless without a guarantee of social and economic right.”
(iii) Shri M. N. Wadia Trophy Debate in English	“ Politics is too important to be left to the Politicians ”.
(iv) A Symposium on	“ ભણતરમાં બીજી શિક્ષણની જરૂર ખરી કે નહિ ? ” was held during the 24th University Youth Festival.
(v) A Team of about 4 persons participated in the Inter-University Debate held at Banaras, Jaipur and Wardha. They made a good show and won II prize at Banaras.	

(5) *Entertainment Committee:*

The Committee had arranged a show of ' Visarata Sur ' and various experiments on cycle by Shri Dhansukhbhai Dave from Bombay during the year.

(6) *University Youth Festival:*

The 24th University Youth Festival was held from 6th to 11th January, 1975. A March Parade was arranged by the N.C.C. and Festival Cricket match was played on the occasion.

(7) *Entertainment Programme:*

Entertainment Programme including winning items of the Inter-Faculty Competition was presented to the students. Kavi Sammelan, Brain Test, Fancy Dress Competition, Sports, Symposia and Debates were also arranged by the Youth Festival Committee of the Union.

(8) *Fun Fair:*

A Fun Fair was arranged in the campus of the M. S. University Union Ground on 22nd and 23rd February, 1975 in aid of M. S. University Silver Jubilee Fund.

CHAPTER XXIX—GENERAL EDUCATION CENTRE

1. **Facilities**

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

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 a 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 will be determined according to the interests of the participants.

A. 3. **Practical Art Activities and Appreciation**

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

A. 4. **Electrical Gadgets—Uses and Repairs***Knowing:*

(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 Wild life, (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 talks on various subjects.

B. 6. Writers' Club

These programmes were well-received.

2. Future Plan

The Department has prepared a scheme for an Inter-disciplinary three year degree course leading to B.Phil. or B.Litt. degree where the students may be better equipped and become more acceptable for employment on the attainment of the first degree.

3. Teaching Staff

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

4. Library

The Centre has a separate library of its own.

	<i>Books</i>	<i>Total Cost Rs.</i>
Number at the beginning of the year	2385	17,152-27
Number added during the year	0012	00,497-55
Number remaining at the end of the year	2397	17,649-82

CHAPTER XXX—STUDENT WELFARE ACTIVITIES**1. Halls of Residence**

The University being 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 1974-75, there were twelve Halls of Residence for boys and four Halls for girl students. One Hall for Post-graduate and research students with a capacity of 140 single seated rooms is under construction and is likely to be ready for occupation by June, 1975. The general policy of the University is to distribute students from various faculties in different Halls so that every Hall has students from different Faculties.

There is a good demand from students for residential accommodation in the University Halls of Residence. In order that the students may not be put to difficulties for searching accommodation in private houses in the city where the rents are exorbitant and facilities are comparatively too less, the University has to continue the procedure of admitting 3 students in most of the rooms this year also.

At the end of the year under report, 2,545 boys and 800 girls were in residence in different Halls as against 2,473 boys and 839 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.

In the Halls of Residence for boys there is one honorary Warden and in the girls' Hostel 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 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 of Residence had its own Executive Committee composed of the student members duly elected by the students. These Committees worked under the

guidance of the Wardens. Students participated actively in nearly all matters pertaining to the affairs of the Hall except finance.

During the year, the following changes took place in regard to the appointment of Chief Warden/Wardens consequent on the resignations of the former ones:

<i>Former Chief Warden/Wardens</i>	<i>Newly appointed Chief Warden/Wardens</i>
(1) Shri A. G. Patel, Chief Warden and Warden of K. M. Hall	Shri N. P. Salvi, Chief Warden and Warden of K. M. Hall
(2) Dr. V. M. Shah, Warden, M. A. Hall	Dr. D. T. Brahmbhatt, Warden, M. A. Hall
(3) Dr. B. B. Patel, Warden, S. P. Hall	Dr. J. S. Bandukwala, Warden, S. P. Hall
(4) Shri K. M. Sharma, Warden, L. B. Shastri Hall	Shri R. N. Talati, Warden, L. B. Shastri Hall
(5) Shri R. P. Bhatt, Warden, N. V. Hall	Shri J. K. Vyas, Warden, N. V. Hall
(6) Dr. L. M. Padhya, Warden, D. N. Hall	Shri B. S. Kamble, Warden, D. N. Hall
(7) Shri N. P. Salvi, Warden, R. T. Hall	Dr. I. D. Bhatt, Warden, R. T. Hall

During the year, the following important events took place and special facilities were provided to the students:

(1) A Seminar on "Hostels and their Role in the academic life of student" was conducted by Dr. (Miss) Prem Pasricha, ETA Officer, United States Education Foundation in India, New Delhi from 27th December to 29th December, 1974.

(2) Municipal connections for natural gas are provided in the kitchens of each Hall of Residence. This would help in reducing the food bills of the students to some extent.

(3) A new Water Sump tank and a new high overhead tank have come up in the campus. This will ease the acute water shortage problems.

(4) It is proposed to provide a common room in Nusservanji Hall. On the whole the observance of the discipline of the students was satisfactory.

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 and two Honorary Physicians, one Surgeon and one Lady Gynaecologist.

The Health Centre provides preventive and curative services to students, members of the staff and their families. Hostels are visited every month twice—once pre-informed and once by surprise—for inspecting maintenance of Sanitation and hygiene in hostels and their kitchens.

The new entrants were given a medical check-up by the Medical Inspection Board in S.S.G. Hospital. Out of the total 5,245 entrant students scheduled for medical check-up 3,850 (73.40%) reported. Out of total 3,850 examined, 1,184 (38.54%) 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. The follow-up work of the students is going on and is not completed till the end of the year. On Miniature Chest X-ray examination of the students during the Medical Check-up 87 students were found suspicious of T.B. and were called at the Health Centre for X-ray and Laboratory investigation. Out of these 87 students, 4 were found suffering from T.B. and sent to T.B. Hospital for treatment. They are now found improving.

During the year the total attendance of the patients at the Health Centre Clinic was 29,265 (18,390 students and 10,875 members of the staff and their families). The average daily attendance has been 80.17% during the year.

The total number of laboratory investigations was 815. The total number of fluoroscopy examination was 407.

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 Bajwada and Pratapnagar localities. Dr. G. S. Apte and Dr. N. R. Dalal were in-charge of the two Centres respectively. These facilities were continued in the year 1974-75 also and the total attendance of the patients at these Centres was 6,492.

3. Physical Education Department

- (1) Staff: The staff consisted of one Director, 2 Senior Physical Instructors, 4 Physical Instructors, one Volleyball Coach, 3 Swimming Trainers and one Clerk.
- (2) Physical Training: Physical training was imparted to 2,803 men and 1,997 women students.
- (3) Major Games: (i) Cricket, (ii) Tennis, (iii) Hockey, (iv) Football, (M. and W.), (vi) Kho-Kho (M. and W.), (vii) Kabbadi, (viii) Track and Field events (Athletics), (ix) Volleyball (M. and W.), (x) Throwball, (xi) Net-ball, (xii) Swimming, (xiii) Boating and (xiv) Shooting.

There were 941 members in Swimming and 128 in Boating. Coaches were appointed in various games. A Coaching Camp in Basketball was conducted for 15 days at Baroda by Shri G. Parmeswaran, a Coach. National 25 men students and 25 women students took advantage of the Camp.

(4) Participation in Tournaments and Competition

(a) Inter-University Tournaments:

Name of the game	Venue	Result	Remarks
(i) Kho-Kho (Women)	Ujjain	All India III place	Lost against Poona
(ii) Kho-Kho (Men)	Ahmedabad	Lost in quarter final	—
(iii) Cricket	Bhopal	Lost in Zonal final	Lost against Bombay
(iv) Athletic (Men)	Calicut	—	—
(v) Athletic (Women)	Calicut	Reached upto Semi-final	—
(vi) Hockey (Men)	Aurangabad	III place on to so in Zonal final	—
(vii) Tennis (Men)	Vizianagaram	Lost against Andhra in quarter final	—
(viii) Basketball (Women)	Hyderabad	Lost in 1st round	—
(ix) Kabbadi (Men)	I.I.T. Powai Bombay	Lost in 1st round	—
(x) Badminton (Men)	Indore	—	Qualified in first eight in the West- Zone Inter-Uni- versity Badminton Tournaments
(xi) Table Tennis (Men)	Nagpur	Lost in first round	—
(xii) Table Tennis (Women)	Nagpur	Lost in Zonal final against Bombay	—
(xiii) Football	Kolhapur	Lost in quarter final	—

(b) Participation in State Championships :

(i) Athletic: Four men and two women students participated in 24th Gujarat State Olympic Sports held at Rajpipla. Shri M. M. Das stood second in Javelin, Shri G. Phull stood second in Decathlon, Shri M. M. Sodagar stood second in Hammer Throw and Discus Throw and Kumari Saraswati K. Rajput stood first in Pentathlon, first in Long Jump, second in 200 metres Running, second in 400 metres Running and second in 800 metres Running.

(ii) Basket Ball: The men and women teams participated in Gujarat State Basketball Tournaments at Ahmedabad. The men team lost in quarter final.

(iii) Volleyball: Men and women teams participated in Gujarat State Olympic Sports at Rajpipla. Men team was Runners-up and the women team lost in semi-final.

(iv) Tennis: Dr. G. S. Doctor won the Double Crown at the Gujarat Open Tennis Championship tournament held at Bulsar. Dr. G. S. Doctor and Shri Venkat Raman won in Doubles at the open tournament held at Surat.

(v) Hockey: The women team participated in Gujarat State Womens Hockey Championship at Ahmedabad and lost in the preliminary round.

(vi) Badminton: Men and Women Teams participated in the (i) Open Gujarat Badminton Championship at Nadiad and the (ii) State Championship at Baroda. The results are as under:

Result:—(i) Kum. Asha C. Desai of Commerce Faculty won in Ladies singles and doubles with Kum. J. Oza's partnership. In Mixed Doubles event Kum. Asha C. Desai and Shri Bharat Dave were winners. Shri C. B. Chand Chatan of Technology and Engineering was the winner in Men Singles and Men Doubles with Shri Bharat of Medicine as his partner.

(ii) Kum. Asha Desai won her singles, doubles and mixed doubles events and secured Triple crown.

(c) Other Local Tournaments:

(i) Football: 'A' team was runner-up in Baroda District League Tournaments.

(ii) Volleyball: The men team secured third place in Baroda Hockey Association League tournaments. The women team secured third place in Open Baroda Senior League Hockey tournaments.

(iii) Volleyball: The women team participated in the tournament conducted by Mahajan Shakti Dal at Rajpipla.

(iv) Table Tennis: The team participated in the Open Baroda Table Tennis Tournaments. The result is as under:

(a) Ladies Singles	Kum. Lata George	Champion
(b) Ladies Doubles	Kum. Lata George and Kum. V. Gupte	Champion
(c) Mixed Doubles	Kum. Lata George and Shri Umesh Thorat	Champion

(v) Basketball: 'A' team won in the finals in Baroda District Basketball tournaments.

(vi) Cricket: The team participated in Zaveri League Tournaments. The team lost in semi-finals in the Randle Cup Tournament.

(vii) Swimming: Shri R. C. Bhavsar stood first in 400 metres Race conducted by Hind Vijay Gymkhana, Madhyastha Krida Mandal and Baroda Municipal Corporation. Kum. Varsha Vakil stood first in 400 metres free style in Baroda Municipal Corporation Competition.

(viii) Boating: Our team participated in races conducted by Hind Vijay Gymkhana, Madhyastha Krida Mandal and Baroda Jaycees.

(d) *Inter-Faculty Tournaments:*

The results are as under:

Games	Winners	Runners-up
(i) Basketball (Men)	Commerce	Technology and Engineering
(ii) Basketball (Women)	Commerce	Arts
(iii) Volleyball (Men)	—	—
(iv) Football	Technology and Engineering	Commerce
(v) Tennis (Men)	Medicine	Technology and Engineering
(vi) Annual Athletic Meet	Individual Championship in Athletics were awarded to Shri M. M. Das and Kum. S. K. Rajput	
(vii) Annual Boating Competitions	Individual Championship in Men: Shri S. H. Mapara and in Women Kum. Maya Kolhatkar	

(5) *Important Events:*

(i) This year a Physical Fitness Test was introduced among the Physical Education classes alongwith the intramural competitions. The test was conducted with the lower norms to those of National Physical Efficiency Test. By the end of second term it was found that maximum number of students were in lower norms. The Department came to a conclusion that the norms for the second year students should be raised to increase general efficiency and physical fitness among the students.

(ii) Kumari Bhavana H. Parikh of the Faculty of Education and Psychology received the 'Arjun Award'—the highest honour in Sports in the game Kho-Kho for the year 1973-74.

(iii) The Inter-University Sports Board Scholarships for the year 1974-75 were awarded to Shri A. D. Gaekwad (Cricket), Kum. Lata George and Smt. Suru George (Table Tennis), Kum. Bhavana H. Parikh, Kum. Achala Deore and Kum. J. H. Parikh (Kho-Kho).

(iv) Shri A. D. Gaekwad was selected for the Test Series—India V/s. West Indies. He was also selected for the Combined University Team in Cricket against West-Indies and for World Cup Cricket Tournament to be held in U.K.

(v) Shri P. S. More was adjudged as the best Cricketer of the year in the M. S. University to receive Ranji Centenary Award for the year 1974-75.

(vi) The following students were selected to participate in the tournaments/camps shown against their names:

(a) Sarvashri A. D. Gaekwad and P. S. More	West Zone Vizzy Trophy Tournament at Bombay
(b) Shri M. M. Das	Combined University Team for Athletics to participate in All India Athletic Meet at Madurai
(c) Sarvashri Harish Patel and Sudhir Brahmhatt	To attend Coaching Camp in Hockey at Patiala
(d) Shri Cliff	To attend a Coaching Camp in Football at Patiala
(e) Sarvashri N. Chipalkatti and Harish Dave	To represent Gujarat State Volleyball team in National Championship at Kottayam
(f) Kum. A. S. Patel, Kum. N. A. Patel, Kum. D. Dalal and Kum. V. Chokshi	To represent Gujarat State Volleyball team in National Championship at Kottayam

- (g) Kum. Ila Patel, To represent Gujarat State in Invitation Cup Hockey Tournaments at Delhi and XXVIII Senior Women's Hockey Championship at Jaipur
Kum. M. Parmar
Kum. M. Patel and
Kum. S. Patel
- (h) Kum. M. Acharya, To represent Baroda Women's Hockey Team at the All India Invitation Hockey tournament at Madras
Kum. Ila Patel,
Kum. F. Patel,
Kum. N. Patel,
Kum. V. Dave and
Kum. M. Parmar

(vii) The following staff members participated in the tournaments in various capacities:

- (a) Dr. G. M. Oza Member on the Selection Committee for Vizzy Trophy Accompanied as Manager of the West Zone Team for Cricket
- (b) Shri R. Rajgopalan Accompanied as a Coach of the Gujarat State Athletic Team to Hyderabad
- (c) Shri K. B. Desai Accompanied as a Coach of the Gujarat State Women's Basketball Team to Delhi
- (d) Shri R. S. Jaggi Accompanied as a Coach of the Gujarat State Volleyball Team to Kottayam

(viii) As a part of the Physical Training, a training course in Civil Defence was introduced in this University from 9th December, 1974. Instructions in (a) Basic Training Service and (b) Fire Fighting Service were imparted by the staff of the Civil Defence (Collector's Office) and Fire Brigade of the Baroda Municipal Corporation.

4. National Cadet Corps

(i) The strength of N.C.C. Officers and cadets was as under:

Unit	NCC Officers	NCC Cadets
(1) 3 Gujarat Battalion NCC	8	450
(2) 12 Gujarat Battalion NCC	3	382
(3) 1 Gujarat Compo Tech. Regt NCC	2	150
(4) 5 Gujarat Girls Battalion NCC	2	310
(5) 2 Gujarat Naval Unit NCC	4	200
(6) 1 Gujarat Air Sqn. NCC	2	200

Training of all the units started in June/July, 1974 and terminated in February, 1975

(ii) No Annual Training Camp was held during the year under report. In lieu of Annual Training Camp, Camp-cadres were held during October-November, 1974. The attendance at the Camp-cadres was as under:

Unit	Officers	Cadets
(1) 3 Gujarat Battalion NCC	2	38
(2) 12 Gujarat Battalion NCC	3	82
(3) 1 Gujarat Compo Tech. Regt NCC	1	20
(4) 1 Gujarat Air Sqn. NCC	1	55
(5) 2 Gujarat Naval Unit NCC	3	27
(6) 5 Gujarat Girls Bn. NCC	2	85

(iii) The following number of officers/cadets attended the camp/courses during 1974-75:

Camp Courses	Number Attended	
	Officers	Cadets
(a) Attachment to Regular Army Unit at 11 INF DIV SIG REGT C/O 56 APO	—	3
(b) Attachment to Regular Unit at OC INS ANGRE BOMBAY	—	2
(c) Attachment to Regular Army Unit at 31 INF BDE C/O 56 APO	—	18

(iv) Shooting competition of the units was held during October, 1974 and 3 Gujarat Battalion NCC, Baroda and 5 Gujarat Girls Battalion NCC, Baroda Units stood first.

(v) Silver Jubilee Year of the University was celebrated on 6th January, 1975. A ceremonial parade was staged at the University Pavilion ground on 6th January, 1975. Both Senior and Junior Division cadets (Boys and Girls) participated. The parade was followed by various demonstrations of Continuity Drill, Bayonet Fighting, Semaphore Drill, Civil Defence, Platoon Attack and Aeromodelling Display.

(vi) 10 Boys cadets and 2 Girls cadets under the Group Headquarters attended the Republic Day Parade held at New Delhi on 26th January, 1975.

(vii) The Certificate Examinations could not be completed till the end of the year.

5. National Service Scheme

The National Service Scheme was started in the year 1969-70 by the Ministry of Education, Government of India with the main objective of engaging the University Youth in creative and constructive social activities during their leisure time and helping them put their scholarships to practical use.

The staff of the N.S.S. consisted of a Hon. Director, Deputy Director, Programme Co-ordinator, Field Organizers, 12 N.S.S. Programme Leaders and 4 Class III employees.

As against the allocation of 2,500, the enrolment of N.S.S. students was 2,747 (2,331 boys and 416 girls) during the year 1974-75.

Various groups were formed according to the interests of the students who have to work 2 to 3 hours a week and put in 120 hours in a year. The following are the activities of the various groups:

(1) N.S.S. Service Projects:

(i) City Service Project, (ii) Know your Baroda and its problems, (iii) Traffic Service, (iv) Parking Service.

(2) Construction/Craft Projects:

(i) Work in Gardens, (ii) Work at Traffic Centre, (iii) Sapling Planning, (iv) Work at Government Fair Price Shops at the time of renewal of ration cards.

(3) Co-operative Service Project:

(i) Help at Co-operative Stores, (ii) Membership Promotion Campaign, (iii) Popularising the services of the Co-operative Stores.

(4) Creative Activity Projects:

(i) Print making, (ii) Matling, (iii) Modelling.

(5) Educational Service Projects:

(i) Adult Education Classes in Central Jail, (ii) Traffic Education, (iii) Work at Certified School, (iv) Coaching Classes in slum areas and Schools, (v) Library Service at the Polytechnic.

(6) Health and Medical Service Projects:

(i) Small collection under National Malawa Eradication Programme, (ii) Follow-up of defaulting T.B. patients, (iii) Drug collection.

(7) Hospital Service Projects:

(i) Conducting Library at the S.S.G. Hospital, (ii) Letter-writing, (iii) Shopping, (iv) Entertainment to patients. These activities were carried out at the S.S.G. Hospital, Railway Hospital and S.P.T.B. Sanatorium.

(8) Mass Education Projects:

(i) Training in Audio Visual Aids, (ii) Film Review and Shows, (iii) Small Saving Campaign, (iv) Blood Donation, (v) Information Service Centres for freshers, (vi) Leadership Training Camp.

(9) Primary School Projects:

(i) Tackling the problem of School dropouts, (ii) Data collection of medical check-up, (iii) Arranging Educational and cultural trips.

(10) Projects for Disabled People:

(i) Help blind students in reading and writing and help them to appear at in the public examinations, (ii) Train volunteers in Brail Lipi for helping blind children.

(11) Quest Projects:

(i) Find out irregular volunteers, (ii) Placement in different N.S.S. Projects, (iii) Fund Raising Campaign for Silver Jubilee of the M. S. University of Baroda, (iv) Know the Police Programme.

(12) Youth Service Projects:

(i) Help in Library and Laboratories, (ii) Milk Distribution Scheme, (iii) Class Room Decoration, (iv) Sports Activities.

(13) Village Development Projects:

(i) Levelling of approach roads, (ii) Healthy Baby Competition, (iii) Clean Utensil Competition, (iv) Games for Village Children, (v) Photography Exhibitions, (vi) Cultural Programmes, (vii) Literacy Service, (viii) Grow Mahendi in Village School Compounds.

Camps were arranged at various places under the Scheme 'Youth Against Dirt and Diseases' the details of which are as under:

Place	Duration	No. of Students	No. of Teachers
1	2	3	4
(i) Menpura	25-5-1974 to 3-6-1974	37	3
(ii) Sadhi	7-6-1974 to 10-6-1974	34	2
(iii) Paterveni	11-6-1974 to 21-6-1974	37	1
(iv) Miyagam	11-6-1974 to 23-6-1974	32	2

1	2	3	4
(v) Kuvarpura	27-10-1974 to 6-11-1974	38	1
(vi) Moti Koral	2-11-1974 to 11-11-1974	52	1
(vii) Dumad	3-11-1974 to 12-11-1974	29	—
(viii) Kothia	16-11-1974 to 24-11-1974	52	2
(ix) Vadia	16-11-1974 to 23-11-1974	26	1
(x) Kothia	9-12-1974 to 12-12-1974	38	2

The main activities carried out in the above Camps are Gober Gas Plants, Construction of Roads, Water Channels, Levelling of Land, Bavla Type Latrines, Urinals, Soakpits, Health Survey, Vaccination, Blood Donation Campaign, Health, Hygiene and Cleanliness Campaigns, Entertainment Programmes, Slogan-Writing, Cooking Competitions, etc.

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, draughts, chess, table tennis, etc. and reading material like daily newspapers, periodicals and 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 instructions to 136 students in various hobbies during 1974-75 as mentioned below:

Hobby	Students
(i) Carpentry	20
(ii) Assembling electrical and electronic appliances	14
(iii) Music	50
(iv) Clay-Modelling	14
(v) Photography	38
Total 136	

8. University Employment Information and Guidance Bureau

The Bureau carried out the following activities:

	Number of Students
(i) Registration	767
(ii) Submission	2529
(iii) Placement	117
(iv) Supply of information to individuals	1043
(v) Guidance to students	7
(vi) Group Talks	20
(vii) Visitors	1602

The Bureau also conducted courses in Stenography, English and Gujarati Typewriting under the Educated Unemployment Relief Scheme of the Government of Gujarat.

Statement showing the number of University Students in the Academic year 1974-75

Appendix I

Sr. No.	Institution	*Post-graduate Courses		Degree Courses		Diploma Courses		Total	Grand Total 1974-75	Grand Total 1973-74	Grand Total 1972-73
		Men	Women	Men	Women	Men	Women				
1	Faculty of Arts	269	196	1837	1123	51	7	2157	1326	3483	2201
2	Faculty of Science	318	119	1109	417	48	4	1475	540	2015	1615
3	Faculty of Education and Psychology	91	50	77	189	—	18	168	257	425	452
4	Faculty of Commerce	441	66	2697	912	23	3	3161	981	4142	2764
5	Faculty of Medicine	131	29	631	97	—	—	762	126	888	794
6	Faculty of Technology and Engineering	71	—	2576	82	†296	1	2943	83	3026	2607
7	Faculty of Fine Arts	19	10	76	54	†107	†10	202	74	276	234
8	Faculty of Home Science	1	148	—	673	—	—	1	821	822	821
9	Faculty of Social Work	59	28	—	—	—	—	59	28	87	82
10	Faculty of Law	285	29	1443	186	—	—	1728	215	1943	1026
11	Preparatory Unit—Arts and Commerce	—	—	1435	705	—	—	1435	705	2140	1570
12	Preparatory Unit—Science	—	—	961	227	—	—	961	227	1188	1077
13	M. K. Amin Arts and Science College and College of Commerce, Padra	—	—	961	131	—	—	961	131	1092	1055
14	College of Indian Music, Dance and Dramatics	13	10	36	42	—	—	49	52	101	95
15	Baroda Sanskrit Mahavidyalaya	7	—	10	1	34	8	51	9	60	56
16	Polytechnic	—	—	—	—	2046	6	2046	6	2052	1292
TOTAL...		1,705	685	13,849	4,839	2,605	57	18,159	5,581	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 1974-75

Institution	Men	Women	Total 1974-75	Total 1973-74	Total 1972-73
(A) Diploma Courses					
(1) College of Indian Music, Dance and Dramatics	364	357	721	648	675
(B) Certificate Courses					
(1) Faculty of Arts	341	41	382	393	525
(2) Faculty of Fine Arts	10	1	11	12	3
(3) Baroda Sanskrit Mahavidyalaya	66	2	68	69	58
(C) S.S.C. Courses					
(1) University Experimental School	297	222	519	508	515
(D) Nursery Courses					
(1) Chetan Balwadi	30	27	57	57	61
(2) Kindergarten	17	11	28	28	24
Total	1125	661	1786	1715	1861

List of Degrees/Diplomas conferred at the Annual and Supplementary Convocations during the year 1974-75

Sr. No.	Degree/Diploma	Annual Convocation December, 1974	Supplementary Convocation March, 1975	Total
1.	Ph.D. (Arts)	4	2	6
2.	Ph.D. (Science)	12	8	20
3.	Ph.D. (Edu. and Psy.)	12	4	16
4.	Ph.D. (Home Science)	—	1	1
5.	Ph.D. (Medicine)	3	—	3
6.	Ph.D. (Tech. and Engg.)	2	—	2
7.	Ph.D. (Fine Arts)	1	—	1
8.	M.D.	13	12	25
9.	M.S.	5	5	10
10.	M.A.	134	—	134
11.	Acharya	5	—	5
12.	B.A.	473	42	515
13.	Shastri	2	—	2
14.	Bachelor of Library Science	30	—	30
15.	M.Sc. (Final)	166	—	166
16.	B.Sc.	312	62	374
17.	M.Ed.	34	—	34
18.	B.Ed.	185	4	189
19.	M.Com.	32	—	32
20.	B.Com.	1027	108	1135
21.	P.G. Dip. in Banking	49	1	50
22.	P.G. Dip. in Co-operation	4	—	4
23.	M.Sc. (Medical)	3	5	8
24.	M.B.B.S.	37	72	109
25.	B.Physiotherapy	8	—	8
26.	D.O.	1	4	5
27.	D.A.	3	5	8
28.	D.L. and O.	1	1	2
29.	D.C.H.	3	1	4
30.	D.C.P.	3	1	4
31.	D.V. and D.	1	—	1
32.	T.D.D.	—	1	1

1	2	3	4	5
33.	D.G.O.	2	6	8
34.	D.M.R.D.	—	2	2
35.	M.E.	6	14	20
36.	M.Text. (Engg.)	3	1	4
37.	B.E.	334	8	342
38.	B.E. (Tech.)	—	11	11
39.	B.Text. (Engg.)	19	—	19
40.	B.Text. (Tech.)	33	1	34
41.	B.Arch.	36	9	45
42.	P.G. Dip. in Ref. and Air-Cond.	—	2	2
43.	LL.M.	3	—	3
44.	LL.B. (Special)	42	2	44
45.	LL.B. (General)	95	21	116
46.	D.T.P.	71	25	96
47.	D.L.P.	37	7	44
48.	M.A. (Fine)	3	—	3
49.	M.Mus.	6	—	6
50.	B.A. (Fine)	9	—	9
51.	B.Mus.	11	—	11
52.	P.G. Dip. in Museology	5	—	5
53.	M.Sc. (Home)	21	6	27
54.	B.Sc. (Home)	144	6	150
55.	P.G. Dip. in Nursery School Education	14	1	15
56.	P.G. Dip. in Dietetics	14	—	14
57.	M.S.W.	36	3	39
Total		3506	464	3970

Statement showing the number of Teaching Staff of various Faculties and Institutions as on 31st March, 1975

Institution	Pro-fessors	Readers	Lec-turers	Teaching	Honorary	Total
				Asstt. Lec-turers, Senior/Junior Instructors	Part-time, Research and others	
Arts	11	21	66	6	4	108
Science	14	27	150	—	—	191
Education and Psychology	4	9	20	3	—	36
Commerce	3	7	29	—	3	42
Technology and Engineering	19	36	132	21	26	234
Fine Arts	1	7	20	1	1	30
Home Science	3	7	36	5	—	51
Social Work	1	2	9	1	—	13
Law	1	2	3	—	12	18
Oriental Institute	1	1	5	—	—	7
College of Indian Music, Dance and Dramatics	1	3	20	13	7	44
Baroda Sanskrit Mahavidyalaya	—	—	11	—	2	13
Polytechnic	1	3	54	27	7	92
M. K. Amin Arts and Science College and College of Commerce, Padra	—	1	26	—	3	30
Total	60	126	581	77	65	909

List of Students qualifying for the Ph.D. Degree during the year 1974-75

Sr.No.	Name	Subject	Title of the Thesis
Faculty of Arts			
1.	Shri Swarnakammal Bhowmik	Archaeology	Early Copper and Bronze Technology of Gujarat.
2.	Smt. Saradha Srinivasan	Archaeology	The relation between Karnataka and Gujarat from seventh to early fourteenth Century A.D.
3.	Shri Gajanan Shivnath Purohit	Hindi	Prasad aur Nanalal Ke Kavyo Ka Tulnatmak Adhyayan
4.	Shri Surendrakant Kantilal Doshi	Hindi	Shri Bhagawatiprasad Vajpeyee Aur Unaka Katha Sahitya
5.	Shri Narayan Bhardwaj	Hindi	Comparative Study of Historical Novels in Hindi and Gujarati Literature
6.	Shri Rameshkant Govindlal Parikh	History	The Social, Economic and Political Ideas of Maharaja Sayajirao III of Baroda.
Faculty of Science			
7.	Shri Dinesh Ghanshyamdas Shah	Bio-Chemistry	Nutritional Studies on Pre-School Children
8.	Shri K. C. Alexander	Bio-Chemistry	Bio-Chemical Studies on Radiation induced Acternations in Energy Metabolism.
9.	Shri Shashikant Jagannath Tarvadi	Bio-Chemistry	Studies on Algal Bacterial Symbiosis in high rate oxidation ponds using Oscillatoria Spp.
10.	Shri Chandrakant Mohanlal Upadhyaya	Bio-Chemistry	Effects of dietary variations on bone composition in rats
11.	Shri Dharmendra-kumar Natvarlal Thaker	Botany	Floristic and Ethno-botanical Studies on Kawat range forests in Central Gujarat.
12.	Shri K. Venkat Subbaiah	Botany	Physiological and Bio-Chemical Studies on Plant Tissues grown in Sterile Cultures.
13.	Kumari Mainavati Krishnarao Kshirsagar	Botany	In Vitro Studies in Ferns.
14.	Shri Jayantilal Durgashankar Joshi	Chemistry	Studies in Mixed Liquid Chelates.

Sr.No.	Name	Subject	Title of the Thesis
15.	Shri Dineshchandra Occhavlal Shah	Chemistry	Synthesis of Phenanthro Indolizidines and Nitrogen Mustards Anti Cancer Agents
16.	Shri Juwansinh Kodarbhai Parmar	Geography	Urban Geography of Kapadwanj.
17.	Shri Ramchandra Anant Chansarkar	Geology	Drainage and Slope Analysis of Kosi Basin in Central Kumaon with special reference to the Geological Controls
18.	Shri Hari Shewaram Chhatpar	Microbiology	Some problems of Post-Harvest Physiology in Mango.
19.	Kumari Dharmdaji Chinubhai Patel	Microbiology	Metabolic Fats of B hydroxybutyrate in Rhizobial species.
20.	Shri Lanka Hari Har Prasad	Physics	Luminiscener Spectra of Heavily Doped KCl TI Phosphors.
21.	Shri K. K. Gopinath Menon	Physics	Ultrasonic Studies of metals and alloys (Bismuth and Some of its alloys).
22.	Shri Girishbabu Ravishanker Pandya	Physics	Study of Crystal Surfaces—(Bi-Sb alloys)
23.	Shri R. Govind Panickar	Zoology	Histophysiological Studies on Developing and Adult Avian Gizzards.
24.	Shri Menon K. Gopinath	Zoology	Certain Metabolic aspects of Feather Development moult and regeneration in Pigeon (Columbia Livia)—A Histochemical Study.

Faculty of Education and Psychology

25.	Kumari Taravati Parasram Lulla	Education	An investigation into the effects of Teachers', Class-room Behaviour on Pupils Achievements.
26.	Shri Lal Pratap Singh	Education	Inter action analysis Micro-teaching and Modification of Teachers' Class-room Behaviour.

Sr.No.	Name	Subject	Title of the Thesis
27.	Shri Bhikhabhai Narsinhbhai Patel	Education	Study of Leadership for improving instructions in High Schools of Selected District in Gujarat.
28.	Shri Jagdishchandra Joitaram Gajjar	Education	A critical study of perceptions of M. S. University Community towards students personnel services.
29.	Shri Rasiklal Jayshanker Joshi	Education	A Study of Creativity and Some Personality traits of the intellectually gifted High School Students.
30.	Smt. Kothari Pillai	Education	Organisational Climate Teacher Morale and School Quality.
31.	Smt. Yashomati Fulabhai Patel	Education	An inquiry into the relationship between the pupils attitudes and the Teacher influence in the class-room.
32.	Shri Vijay Kumar Kohli	Education	A Critical evaluation of Curriculum for Teacher Education of B.Ed. level in Punjab.
33.	Smt. Siddhide Janardan Mehta	Education	An investigation into the effectiveness of Programmed Material in English for developing Reading Ability.
34.	Shri Onkar Singh Dewal	Education	A study of difficulties in teaching English and effectiveness of Programmed Teaching (A system's perspective).
35.	Shri Praśant Kumar Gangopadhyaya	Education	Social intelligence and the relationship with abstract and mechanical intelligence.
36.	Shri Surya Kant Jha	Education	An analysis of Certain Dimensions of Creativity.
37.	Shri Vinodchandra Bechardas Patel	Education	Educational thoughts and Practices in Gujarat during the British Rule (1820-1920) as reflected in Bibliographical forms of Gujarati Literature.

<i>Sr.No.</i>	<i>Name</i>	<i>Subject</i>	<i>Title of the Thesis</i>
38.	Shri Vishnuprasad Ambalal Patel	Education	Impact of the Panchayati Raj on the administration of Primary Education in Mehsana District.
39.	Smt. Neela Arvind Shelat	Education	Study of Organisational Climate, Teacher Morale and Pupil Motivation towards Institutions in Secondary Schools of Baroda District.
40.	Shri Ganpatrao Baburao Shinde	Education	Role of the Panchayati Raj Leadership in expansion and improvement of Primary Education in Panchmahal District.
41.	Shri Rasiklal Somchand Shah	Education	College Campus Life in Perspective.
42.	Kumari Bimla Kaul	Psychology	Construction and Standardisation of a test to identify Creative Children in the age range of 14 to 16 years.
43.	Shri Somabhai Trikambhai Patel	Psychology	An investigation to study identification patterns motivation and school achievement of talented students.
44.	Shri Kodangala Ramchandra Char	Psychology	A study on Creativity evolving a test to identify children with Creative ability at the School Leaving Age.
Faculty of Commerce			
45.	Shri Dattuprasad Shankerlal Pathak	Business Economics	The working of the Monetary System in India with special reference to the Plan period 1951-1966.
Faculty of Medicine			
46.	Shri Anil Ranchhodji Mehta	Bio-Chemistry	Studies on the effect of Maternal Protein Malnutrition on the growth and nutritional status of the Foetus and Neonatal Infants.

<i>Sr.No.</i>	<i>Name</i>	<i>Subject</i>	<i>Title of the Thesis</i>
47.	Shri Shokat Munir Sayed	Medical Microbiology	Studies on wound infection in Baroda (with special reference to the Bacteriological Dynamics, the effects of Nutrition, Immuno-response and Therapy on the process of healing).
48.	Shri N. Shivrama Krishna	Pharmacology	Uptake of Noradrenaline Tissues
Faculty of Technology and Engineering			
49.	Shri Kompella Subbaya Sastri	Electrical Engineering	Shift Register Sequences and their use in System Identification by Cross Correlation.
Faculty of Fine Arts			
50.	Shri Vasant Hari Bedekar	Painting	Problems and possibilities of formal criticism with special reference to the Indian Miniature Painting.
Faculty of Home Science			
51.	Smt. Atula Jamubhai Derasari	Child Development	A developmental study of Anthropometric Measurements during the first fifteen months of life.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
34			5	—	2	3	5	—	—	—	1	1	—	—	—	3	3	4	80.00%
35			6	1	3	2	5	—	—	—	3	3	—	—	—	2	2	5	100.00%
36			149	1	128	20	148	—	—	—	94	94	—	—	—	14	14	108	73.02%
37			42	1	35	6	41	—	—	—	30	30	—	—	—	6	6	36	85.71%
38			49	1	44	4	48	—	—	—	40	40	—	—	—	4	4	44	91.66%
39			2	—	1	1	2	—	—	—	1	1	—	—	—	1	1	2	100.00%
40			8	—	8	—	8	—	—	—	4	4	—	—	—	—	—	4	50.00%
41			2	—	1	1	2	—	—	—	1	1	—	—	—	1	1	2	100.00%
42			3	1	—	2	2	—	—	—	—	—	—	—	—	2	2	2	100.00%
43			2	1	1	—	1	—	—	—	1	1	—	—	—	—	—	1	110.00%
44			2	—	—	2	2	—	—	—	—	—	—	—	—	2	2	2	100.00%
45			1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00.00%
46			2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	2	100.00%
47			7	—	7	—	7	—	—	—	4	4	—	—	—	—	—	4	57.14%
48			1	—	—	1	1	—	—	—	—	—	—	—	—	1	1	1	100.00%
49			7	—	6	1	7	—	—	—	6	6	—	—	—	1	1	7	100%
50			1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100%
51			4	—	2	2	4	—	—	—	1	1	—	—	—	2	2	3	75.00%
52			1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100%
53			3	—	3	—	3	—	—	—	3	3	—	—	—	—	—	3	100%
54			1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100%
55			1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00.00%
56			1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00.00%
57			3	—	1	2	3	—	—	—	—	—	—	—	—	2	2	2	66.66%
58			5	—	5	—	5	—	—	—	3	3	—	—	—	—	—	3	60.00%
59			9	1	8	—	8	—	—	—	3	3	—	—	—	—	—	3	37.50%
60			13	—	4	9	13	—	—	—	4	4	—	—	—	7	7	11	84.62%
61			14	—	5	9	14	—	—	—	4	4	—	—	—	7	7	11	78.58%
62			8	—	5	3	8	—	—	—	5	5	—	—	—	3	3	8	100%
63			1	—	—	1	1	—	—	—	—	—	—	—	—	1	1	1	100%

* No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
64			3	—	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	00.00%
65			266	37	228	1	229	—	16	45	32	93	—	—	1	—	1	94	41.04%	
66			222	35	187	—	187	—	14	42	23	79	—	—	—	—	—	—	—	+459†
67			76	25	51	—	51	—	4	7	3	14	—	—	—	—	—	—	—	+321†
68			2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	—	—	14 27.45%
69			17	5	12	—	12	—	—	—	8	8	—	—	—	—	—	—	—	+37†
70			30	6	24	—	24	—	—	—	8	8	—	—	—	—	—	—	—	2 100%
71			10	—	10	—	10	—	2	4	3	9	—	—	—	—	—	—	—	8 66.66%
72			49	8	41	—	41	—	8	9	19	36	—	—	—	—	—	—	—	8 33.33%
73			41	12	29	—	29	—	—	—	2	2	—	—	—	—	—	—	—	9 90.00%
74			59	2	57	—	57	—	21	28	7	56	—	—	—	—	—	—	—	36 87.8%
75			139	10	129	—	129	—	17	62	26	105	—	—	—	—	—	—	—	15 51.72%
76			20	1	19	—	19	—	—	—	19	19	—	—	—	—	—	—	—	6 58.24%
77			70	5	65	—	65	—	7	13	22	42	—	—	—	—	—	—	—	105 77.73%
78			46	9	35	—	35	—	—	—	30	30	—	—	—	—	—	—	—	19 100%
																				42 64.61%
																				30 85.71%

* No Class is awarded.

† This figure includes candidates who registered for appearing at the exam. but failed at the same and subsequently promoted to next higher class as well as candidates who opted for promotion to next higher class without appearing at the examination under the Orders passed by the University, as per S.R. No. 1-24-III-74. These figures have not been considered in the final pass percentage.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
79	D.T.C.	32	—	32	—	32	—	6	5	9	20	—	—	—	—	—	20	62.50%
80	D.T.C. (Under O.T.E. 18+)	85	6	79	—	79	—	26	30	14	70	—	—	—	—	—	70	88.61%
81	D.T.T.	14	1	13	—	13	—	7	2	4	13	—	—	—	—	—	13	100%
82	II Sem. of F.Y. Dip. (OPF)	51	7	44	—	44	—	5	20	2	27	—	—	—	—	—	27+	61.36%
83	II Sem. of S.Y. Dip. (OPF)	53	9	44	—	44	—	5	21	1	27	—	—	—	—	—	27+	61.36%
84	II Sem. of T.Y. Dip. (OPF)	78	—	78	—	78	—	10	21	10	41	—	—	—	—	—	41+	53.94%
85	F.Text. (Engg. & Tech.)—O.C.	6	3	3	—	3	—	—	—	1	1	—	—	—	—	—	1	33.33%
86	I Sem. of F.Text. (Engg. & Tech.)	14	3	11	—	11	—	—	—	8	8	—	—	—	—	—	8	72.72%
87	II Sem. of F.Text. (Engg. & Tech.)	47	—	47	—	47	—	1	3	20	8	32	—	—	—	—	32	68.9%
88	S.Text. (Engg. & Tech.)	5	—	5	—	5	—	—	—	4	4	—	—	—	—	—	4+	80.00%
89	S.Text. (Tech.)	28	—	28	—	28	—	1	5	6	—	12	—	—	—	—	12+	42.85%
90	T.Text. (Engg.)	9	1	8	—	8	—	1	6	—	7	—	—	—	—	—	7+	87.5%
91	T.Text. (Tech.)	32	6	26	—	26	—	3	12	4	19	—	—	—	—	—	19+	73.07%
92	B.Text. (Engg.)	19	—	19	—	19	—	4	10	5	19	—	—	—	—	—	19	100%
93	B.Text. (Tech.)	35	1	34	—	34	—	4	12	16	1	33	—	—	—	—	33	87%
94	*M.Text.—Part I	6	1	5	—	5	—	—	—	2	2	—	—	—	—	—	2	40.00%
95	*M.Text.—Part II	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100%
96	*M.Text.—Part III	3	—	3	—	3	—	—	—	3	3	—	—	—	—	—	3	100%
97	M.Text. Part IV	3	—	3	—	3	—	2	1	—	3	—	—	—	—	—	3	100%
98	*I Sem. of B.E. I (CME, Chem., Met.)	93	18	75	—	75	—	—	—	22	22	—	—	—	—	—	22+	44.00%

* No Class is awarded.
 † This figure includes candidates who registered for appearing at the exam. but failed at the same and subsequently promoted to next higher class, as well as candidates who opted for promotion to next higher class without appearing at the examination under the Orders passed by the University as per S. R. No. I-24-III-74. These figures have not been considered in the final pass percentage.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
99	II Sem. of B.E. I (CME., Chem., Met.)	402	27	375	—	375	13	66	130	33	242	—	—	—	—	—	242	65.58%
100	*I Sem. of B.E. II (CME., Chem., Met.)	134	14	120	—	120	—	—	—	67	67	—	—	—	—	—	67	72.04%
101	II Sem. of B.E. II (CME., Chem., Met.)	445	10	435	—	435	23	64	168	44	299	—	—	—	—	—	299	69.37%
102	*I Sem. of B.E. III (CME., Chem., Met.)	99	14	86	1	85	—	—	—	24	24	—	—	—	—	—	24	40.98%
103	II Sem. of B.E. III (CME., Chem., Met.)	393	19	373	1	374	25	55	146	45	271	—	—	—	—	—	271	72.65%
104	*I Sem. of B.E. IV (CME., Chem., Met., Electro.)	86	—	52	—	52	—	—	—	39	39	—	—	—	—	—	39	75.00%
105	II Sem. of B.E. IV (CME., Chem., Met.)	324	24	300	—	300	22	52	113	45	232	—	—	—	—	—	232	77.33%
106	I Sem. of B.E. V (Civil)	10	1	9	—	9	—	—	—	9	9	—	—	—	—	—	9	100.00%
107	I Sem. of B.E. V (Mech.)	12	1	11	—	11	—	—	—	10	10	—	—	—	—	—	10	90.90%
108	I Sem. of B.E. V (Elect.)	4	—	4	—	4	—	—	—	4	4	—	—	—	—	—	4	100.00%
109	I Sem. of B.E. V (Chem.)	6	—	6	—	6	—	—	—	6	6	—	—	—	—	—	6	100.00%
110	I Sem. of B.E. V (Met.)	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00.00%
111	I Sem. of B.E. V (Electro.)	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	2	100.00%

* No Class is awarded.
 † This figure includes candidates who registered for appearing at the exam. but failed at the same and subsequently promoted to next higher class as well as candidates who opted for promotion to next higher class without appearing at the examination under the Orders passed by the University as per S. R. No. I-24-III-74. These figures have not been considered in the final pass percentage.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
112	II Sem. of B.E. V (Civil)	69	—	69	—	69	21	30	17	—	69	—	—	—	—	—	—	—	69 100.00%
113	II Sem. of B.E. V (Mech.)	94	1	93	—	93	37	44	10	1	93	—	—	—	—	—	—	—	93 100.00%
114	II Sem. of B.E. V (Elect.)	70	1	69	—	69	28	26	11	3	68	—	—	—	—	—	—	—	68 98.56%
115	II Sem. of B.E. V (Chem.)	40	—	40	—	40	17	17	3	3	40	—	—	—	—	—	—	—	40 100.00%
116	II Sem. of B.E. V (Met.)	28	—	28	—	28	10	9	6	—	25	—	—	—	—	—	—	—	25 89.28%
117	II Sem. of B.E. V (Electro.)	14	—	14	—	14	5	2	7	—	14	—	—	—	—	—	—	—	14 100.00%
118	*I Sem. of B.E. I (Electro.)	4	—	2	—	2	—	—	—	1	1	—	—	—	—	—	—	—	1 50.00%
119	II Sem. of B.E. I (Electro.)	27	—	27	—	27	5	3	5	2	15	—	—	—	—	—	—	—	+3† 15 62.05%
120	*I Sem. of B.E. II (Electro.)	4	1	3	—	3	—	—	—	2	2	—	—	—	—	—	—	—	+12† 2 66.66%
121	II Sem. of B.E. II (Electro.)	26	1	25	—	25	—	9	9	3	21	—	—	—	—	—	—	—	+2† 21 84.00%
122	*I Sem. of B.E. III (Electro.)	6	1	5	—	5	—	—	—	4	4	—	—	—	—	—	—	—	+6† 4 80.00%
123	II Sem. of B.E. III (Electro.)	26	1	25	—	25	12	7	5	24	—	—	—	—	—	—	—	—	24 96.00%
124	*M.E.—Part I (Civil)	7	1	6	—	6	—	—	—	6	6	—	—	—	—	—	—	—	6 100.00%
125	*M.E.—Part I (Mech.)	11	—	11	—	11	—	—	—	8	8	—	—	—	—	—	—	—	8 72.72%
126	*M.E.—Part I (Elect.)	13	1	12	—	12	—	—	—	3	3	—	—	—	—	—	—	—	3 33.33%
127	*M.E.—Part II (Civil)	4	1	3	—	3	—	—	—	3	3	—	—	—	—	—	—	—	3 100.00%
128	*M.E.—Part II (Mech.)	2	—	2	—	2	—	—	—	1	1	—	—	—	—	—	—	—	1 50.00%
129	*M.E.—Part II (Elect.)	5	—	5	—	5	—	—	—	3	3	—	—	—	—	—	—	—	3 60.00%
130	*M.E.—Part III (Civil)	10	2	8	—	8	—	—	—	8	8	—	—	—	—	—	—	—	8 100.00%
131	*M.E.—Part III (Mech.)	6	—	6	—	6	—	—	—	6	6	—	—	—	—	—	—	—	6 100.00%
132	*M.E.—Part III (Elect.)	5	—	5	—	5	—	—	—	5	5	—	—	—	—	—	—	—	5 100.00%
133	M.E.—Part IV (Civil)	4	2	2	—	2	—	—	2	—	—	—	—	—	—	—	—	—	2 100.00%
134	M.E.—Part IV (Elect.)	1	—	1	—	1	—	—	—	1	—	—	—	—	—	—	—	—	1 100.00%

* No Class is awarded.

† This figure includes candidates who registered for appearing at the exam. but failed at the same and subsequently promoted to next higher class as well as candidates who opted for promotion to next higher class without appearing at the examination under the Orders passed by the University as per S. R. No. I-24-III-74. These figures, have not been considered in the final pass percentage.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
135	*P.G.Dip. in Ref. & Air Cond.—Part I	5	3	2	—	2	—	—	—	—	2	2	—	—	—	—	—	—	2 100.00%
136	*I Sem. of Post-Dip. Dip. in Ref. & Air Cond.	1	—	1	—	1	—	—	—	—	1	1	—	—	—	—	—	—	1 100.00%
137	II Sem. of Post-Dip. Dip. in Ref. & Air Cond.	8	—	8	—	8	2	3	3	—	8	—	—	—	—	—	—	—	8 100.00%
138	*I Sem. of F.Y.B.Arch.	15	3	9	3	12	—	—	—	6	6	—	—	—	—	—	—	—	9 75.00%
139	II Sem. of F.Y.B.Arch.	44	4	28	12	40	—	5	11	7	23	—	1	8	2	11	34	—	+6† 34 85.00%
140	*I Sem. of S.Y.B.Arch.	13	2	10	1	11	—	—	—	8	8	—	—	—	—	—	—	—	+12† 9 81.81%
141	II Sem. of S.Y.B.Arch.	42	2	29	11	40	—	1	10	8	19	—	—	4	4	8	27	—	+4† 27 62.50%
142	*I Sem. of T.Y.B.Arch.	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	+17†
143	Third Year B.Arch.	38	5	26	7	33	—	3	11	1	15	—	—	—	—	—	—	—	1 100.00%
144	Third Year B.Arch.—O.C.	9	5	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	+17† 1 100.00%
145	B.Arch.	53	3	41	9	50	5	13	9	3	30	—	—	6	—	—	—	—	+8† 36 72.00%
146	I Sem. of F.Y.B.Pharm.	1	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	1 100%
147	II Sem. of F.Y.B.Pharm.	28	—	21	7	28	4	9	7	—	20	1	4	—	—	—	—	—	5 25 89.29%
148	II Sem. of M.Sc. (Appl. Physics)	4	—	4	—	4	—	—	—	4	4	—	—	—	—	—	—	—	+3†
149	I LL.B. (General)	257	82	151	24	175	—	4	61	34	99	—	—	14	2	16	115	—	4 100% 16 115 65.71%
150	II LL.B. (General)	132	10	104	18	122	—	2	66	10	78	—	—	16	1	17	95	—	+951† 17 95 77.86%

* No Class is awarded.

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
151 L.L.B. (Special)	53	3	44	4	48	—	—	—	—	34	5	39	—	—	3	—	3	42	87.50%
152 *D.T.P.	156	24	121	11	132	1	—	—	—	—	64	65	—	—	5	5	70	54.60%	
153 *D.L.P.	75	13	57	5	62	—	—	—	—	—	33	33	—	—	4	4	37	59.67%	
154 *LL.M.—Part I	23	5	17	1	18	—	—	—	—	—	1	7	—	—	—	—	7	38.88%	
155 LL.M.—Part II	6	—	5	1	6	—	—	—	—	2	—	2	—	—	—	—	—	33.33%	
156 B.A. (Fine)—Painting	5	—	1	4	5	—	—	—	—	—	—	1	—	—	4	—	5	100%	
157 B.A. (Fine)—Art History	1	—	—	1	1	—	—	—	—	—	—	1	—	—	—	—	1	100%	
158 B.A. (Fine)—Applied Arts	3	—	—	2	3	—	—	—	—	1	—	1	—	—	1	—	3	100%	
159 M.A. (Fine)—Sculpture	2	—	1	1	2	—	—	—	—	—	—	1	—	—	—	—	2	100%	
160 M.A. (Fine)—Art Criticism	1	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	1	100%	
161 Post-Dip.—Painting	5	—	4	1	5	—	—	—	—	2	—	4	—	—	—	—	1	100%	
162 Post Dip. in Appl. Arts	1	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	100%	
163 Post-Dip.—Graphic Arts	1	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	100%	
164 Dip. in Fine Arts	12	—	—	—	12	—	—	—	—	4	8	12	—	—	—	—	—	12	100%
165 M.Mus.	6	—	3	6	6	—	—	—	—	1	3	1	—	—	—	—	3	6	100%
166 B.Mus.	13	—	7	6	13	—	—	—	—	4	1	2	—	—	2	—	5	11	84.62%
167 Dip. in Music	27	4	17	6	23	—	—	—	—	5	3	10	—	—	1	7	8	18	78.26%
168 Dip. in Dance	5	—	—	5	5	—	—	—	—	—	—	—	—	—	2	2	5	5	100%
169 Dip. in Dramatics	6	—	4	2	6	—	—	—	—	1	1	4	—	—	—	—	1	5	83.33%
170 *P.G. Dip. in Museology	6	—	4	2	6	—	—	—	—	—	—	3	—	—	—	2	2	5	83.33%
171 B.Sc. (Home)	148	2	—	146	146	—	—	—	—	—	—	—	—	—	—	—	—	—	98.48%
172 M.Sc. (Home)	23	—	—	7	7	—	—	—	—	—	—	—	—	—	—	—	—	7	30.43%
173 P.G.Dip. in Dietetics	14	1	—	13	13	—	—	—	—	—	—	—	—	—	—	—	—	13	100%
174 P.G.Dip. in Nursery School Education	16	1	—	15	15	—	—	—	—	—	—	—	—	—	—	—	—	14	93.33%

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 † This figure includes candidates who registered for appearing at the exam. but failed at the same and subsequently promoted to higher class, as well as candidates who opted for promotion to next higher class without appearing at the examination under the Order passed by the University as per S.R. No. 1-24—III-74. These figures have not been considered in the final pass percentage.

‡ Passes 'A' Grade.

§ Passes 'C' Grade.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
175 M.S.W.	36	—	—	—	22	14	36	—	—	—	—	22	—	—	—	14	14	36	100%
176 *Ph.D. (Arts)	7	—	7	—	7	—	7	—	—	—	—	7	—	—	—	—	—	—	7
177 *Ph.D. (Science)	14	—	10	4	14	—	14	—	—	—	—	10	—	—	—	—	—	4	14
178 *Ph.D. (Edu.)	12	—	8	4	12	—	12	—	—	—	—	8	—	—	—	—	—	4	12
179 *Ph.D. (Medicine)	3	—	3	—	3	—	3	—	—	—	—	3	—	—	—	—	—	—	3
180 *Ph.D. (Tech. & Engg.)	1	—	1	—	1	—	1	—	—	—	—	1	—	—	—	—	—	—	1
181 *Ph.D. (Fine Arts)	1	—	1	—	1	—	1	—	—	—	—	1	—	—	—	—	—	—	1
182 *Ph.D. (Home Science)	1	—	1	—	1	—	1	—	—	—	—	1	—	—	—	—	—	—	1

* No Class is awarded.

Results of the University Examinations, October-November 1974.

Appendix VII

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				
1	Prep. Arts	2	—	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	1	50.00%	
2	F.Y.B.A.	2	—	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	1	100.00%		
*3	S.Y.B.A.	146	20	93	33	126	—	—	—	—	70	70	—	—	23	23	93	—	2	70.40%		
4	T.Y.B.A.	61	8	34	19	53	—	—	5	16	21	—	—	2	10	12	33	—	33	62.26%		
5	Prep. Science	25	4	21	—	21	—	—	3	8	13	—	—	—	—	—	13	—	13	65.00%		
6	F.Y.B.Sc.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
*7	S.Y.B.Sc.	73	9	50	14	64	—	—	—	26	26	—	—	—	9	9	35	—	35	54.70%		
8	T.Y.B.Sc.	105	12	73	20	93	—	—	3	12	34	49	—	4	10	14	63	—	63	68.50%		
9	Prep. Commerce	2	1	1	—	2	—	—	—	—	1	1	—	—	—	—	1	—	1	100.00%		
10	F.Y.B.Com.	2	—	2	—	2	—	—	—	—	2	2	—	—	—	—	2	—	2	100.00%		
*11	S.Y.B.Com.	3	1	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
12	T.Y.B.Com.	165	27	127	11	138	—	—	3	23	63	89	—	3	4	7	96	—	96	69.56%		
13	T.Y.B.Com. (Under O.Com. 25)	13	4	9	—	9	—	—	—	6	6	—	—	—	—	—	6	—	6	66.66%		
14	T.Y.B.Com. (Under O.Com. 27)	20	1	17	2	19	—	—	—	10	10	—	—	—	2	2	12	—	12	63.16%		
15	P.G. Diploma in Banking	6	4	2	—	2	—	—	—	1	1	—	—	—	—	—	1	—	1	50.00%		
*16	M.D. (Br. I)—Medicine	10	—	10	—	10	—	—	—	8	8	—	—	—	—	—	8	—	8	80.00%		
*17	M.D. (Br. IV)—Physiology	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
*18	M.D. (Br. V)—Obst. & Gyn.	4	—	1	3	4	—	—	—	—	—	—	—	—	3	3	3	—	3	75.00%		

* 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				
*19	M.D. (Br. VII)—Anaesthesiology	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	00.00%	
*20	M.D. (Br. VIII)—Preventive & Social Medicine	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	00.00%	
*21	M.S. (Br. I)—Surgery	7	—	5	2	7	—	—	—	—	2	2	—	—	2	2	4	—	4	57.14%		
*22	M.S. (Br. III)—Orthopaedics	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	00.00%	
*23	M.S. (Br. IV)—Oto-Rhino-Laryngology	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	00.00%	
*24	M.S. (Br. V—Ophthalmology)	3	—	3	—	3	—	—	—	—	3	3	—	—	—	—	—	—	—	100%		
*25	M.Sc. (Medical)—Part I	8	—	6	2	8	—	—	—	—	5	5	—	—	2	2	7	—	7	87.50%		
*26	M.Sc. (Medical)—Part II	13	3	7	3	10	—	—	—	—	2	2	—	—	3	3	5	—	5	50.00%		
*27	Diploma in Ophthalmology	4	—	3	1	4	—	—	—	—	3	3	—	—	1	1	4	—	4	100%		
*28	Diploma in Anaesthesiology	5	—	3	2	5	—	—	—	—	3	3	—	—	2	2	5	—	5	100%		
*29	Diploma in Laryngology and Otology	1	—	1	—	1	—	—	—	—	1	1	—	—	—	—	—	—	—	100%		
*30	Diploma in Child Health	2	—	1	1	2	—	—	—	—	1	1	—	—	—	—	—	—	—	100%		
*31	Diploma in Tuberculous Diseases	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	00.00%	
*32	Diploma in Clinical Pathology	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	00.00%	
*33	Diploma in Obstetrics and Gynaecology	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	00.00%	
*34	Diploma in Medical Radio-diagnosis—Part I	8	2	—	6	6	—	—	—	—	—	—	—	—	6	6	6	—	6	100%		
*35	Diploma in Medical Radio-diagnosis—Part II	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	00.00%	
*36	First M.B.B.S.	2	—	2	—	2	—	—	—	—	2	2	—	—	—	—	—	—	—	2	100%	
*37	First M.B.B.S. (Suppl.)	184	3	162	19	181	—	—	—	—	107	107	—	—	8	8	115	—	115	63.53%		
*38	Third M.B.B.S.	68	—	61	7	68	—	—	—	—	41	41	—	—	6	6	47	—	47	69.11%		
39	Diploma in Civil Engg.	129	1	113	15	128	—	—	—	—	76	76	—	—	13	13	89	—	89	69.53%		
40	Diploma in Mechanical Engg.	3	1	2	—	2	—	—	—	—	2	2	—	—	—	—	—	—	—	2	100%	
41	Diploma in Electrical Engg.	21	4	17	—	17	—	—	—	—	6	6	—	—	—	—	—	—	—	6	35.29%	
42	Diploma in Electrical Engg. (Under O.T.E. 162)	17	2	15	—	15	—	—	—	1	—	—	—	—	—	—	—	—	—	3	20.00%	
		2	—	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	00.00%	

* No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
43			12		12		12					4	4					4	33.33%
44			5	3	2		2					1	1					1	50.00%
45			1		1		1												00.00%
46			85	3	82		82				15	15						15	18.51%
47			9		9		9				5	5						5	55.55%
48			46	5	41		41				25	25						25	60.97%
49			50	13	37		37				10	10						10	27.2%
50			1		1		1												00.00%
51			8	1	7		7			1	3	4						4	57.14%
52			19	7	12		12				2	2						2	16.66%
53			43		43		43				36	36						36	83.72%
54			47	1	46		46				42	42						42	91.30%
*55			57		57		57				52	52						52	91.22%
56			75		75		75				75	75						75	100%
*57			75		75		75				73	73						73	97.33%
58			75		75		75				75	75						75	100%
59			71	1	70		70				32	32						32	45.71%
60			61		61		61				41	41						41	67.21%
61			1	1															00.00%
62																			
63																			
64																			
65			2	1	1		1				1	1						1	100%
66			2		2		2				1	1						1	50.00%
67			4		4		4				2	2						2	50.00%
68			1		1		1											1	100%
69																			

* No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
*70			378		373		5 378					292 292					5	5 279	78.57%
*71			399	4	393		2 395					286 286					2	2 288	72.91%
72			3		3		3					1 1						1	33.33%
*73			455	1	452		2 454					307 307					1	1 308	68.14%
*74			400	1	399		399					320 320						320	80.20%
			88		88		88					88 88						88	100.00%
*75			82	1	81		81					76 76						76	94.48%
*76			57	1	56		56					49 49						49	87.50%
*77			41		41		41					40 40						40	97.57%
*78			26		26		26					22 22						22	84.61%
*79			31		31		31					31 31						31	100.00%
*80			1		1		1					1 1						1	100.00%
81			2		2		2					1 1						2	100.00%
82			2		2		2					2 2						2	100.00%
83			3	1	2		2					2 2						2	100.00%
84			5		5		5		3	2		5 5						5	100.00%
85			5		5		5		4	1		5 5						5	100.00%
86			1		1		1		1	1		1 1						1	100.00%
87			22	1	21		21					17 17						17	80.95%
*88			26		25		1 26					17 17						1 18	69.24%
*89			30		30		30					28 28						28	93.33%
*90			2		2		2					1 1						1	50.00%
*91			1		1		1					1 1						1	100.00%
*92			3		3		3					3 3						3	100.00%
*93			5		5		5					5 5						5	100.00%
*94																			

* No Class is awarded.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
*95	M.E. (Civil.)—Part II	6	—	6	—	6	—	—	—	6	6	—	—	—	—	—	—	6	100.00%
*96	M.E. (Mech.)—Part II	11	—	11	—	11	—	—	—	9	9	—	—	—	—	—	—	9	81.81%
*97	M.E. (Elect.)—Part II	8	—	8	—	8	—	—	—	2	2	—	—	—	—	—	—	2	25.00%
*98	M.E. (Civil.)—Part III	3	—	3	—	3	—	—	—	2	2	—	—	—	—	—	—	2	66.66%
*99	M.E. (Elect.)—Part III	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	—	2	100.00%
100	M.E. (Civil.)—Part IV	6	1	5	—	5	—	4	1	—	5	—	—	—	—	—	—	5	100.00%
101	M.E. (Mech.)—Part IV	7	1	6	—	6	3	3	—	—	6	—	—	—	—	—	—	6	100.00%
102	M.E. (Elect.)—Part IV	4	1	3	—	3	1	2	—	—	3	—	—	—	—	—	—	3	100.00%
103	P.G.Dip. in Ref. & Air Cond.—Part I	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	—	2	100.00%
104	P.G.Dip. in Ref. & Air Cond.—Part II	2	—	2	—	2	—	—	—	—	—	—	—	—	—	—	—	2	100.00%
105	I Sem. of P.D.Dip. in Ref. & Air Cond.	4	—	4	—	4	—	2	—	—	2	—	—	—	—	—	—	2	100.00%
106	I Sem. of M.Sc. (Applied Physics)	5	—	5	—	5	—	—	—	4	4	—	—	—	—	—	—	4	80.00%
107	III Sem. of M.Sc. (Applied Physics)	3	—	3	—	3	—	—	—	3	3	—	—	—	—	—	—	3	100.00%
*108	I Sem. of M.Sc. (Applied Maths.)	8	1	7	—	7	—	—	—	6	6	—	—	—	—	—	—	6	85.71%
*109	I Sem. of F.Y.B.Pharm.	33	—	27	6	33	—	—	—	21	21	—	—	—	5	5	26	78.78%	
110	I Sem. of S.Y.B.Pharm.	28	—	21	7	28	—	—	—	21	21	—	—	7	7	28	31	100.00%	
*111	I Sem. of F.Y.B.Arch.	42	—	28	14	42	—	—	—	20	20	—	—	11	11	31	30	73.81%	
*112	I Sem. of S.Y.B.Arch.	44	—	32	12	44	—	—	—	22	22	—	—	8	8	30	68.17%		
*113	I Sem. of T.Y.B.Arch.	40	—	29	11	40	—	—	—	21	21	—	—	10	10	31	77.5%		
*114	I Sem. of IV year B. Arch.	41	—	34	7	41	—	—	—	29	29	—	—	7	7	36	87.79%		
115	B.Arch.	14	4	7	3	10	—	—	4	2	6	—	—	3	3	9	9	90.00%	
116	First LL B (General)	71	16	46	9	55	—	1	8	17	26	—	—	7	7	33	60.00%		
117	Second LL.B. (General)	28	1	26	1	27	—	—	5	16	21	—	—	—	—	21	77.76%		
118	LL. B. (Special)	7	—	6	1	7	—	—	1	1	2	—	—	—	—	2	28.57%		
119	P.G. Diploma in Labour Laws	15	2	12	1	13	—	—	—	7	7	—	—	—	—	7	53.84%		
120	P.G. Diploma in Taxation Laws	34	6	27	1	28	—	—	—	24	24	—	—	1	1	25	92.59%		

* No Class is awarded.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
121	M.Sc. (Home)	8	—	—	—	8	—	—	—	—	—	—	†2	‡3	—	—	—	7	83.33%
122	B.Sc. (Home)	7	—	—	—	7	—	—	—	—	—	—	—	—	—	—	—	7	100.00%
123	M.S.W.	3	—	—	2	1	3	—	—	—	—	—	—	—	—	—	—	3	100.00%
*124	Ph.D. (Arts)	2	—	—	2	—	—	—	—	—	—	—	—	—	—	—	—	2	—
*125	Ph.D. (Science)	8	—	—	7	1	8	—	—	—	—	—	—	—	—	—	—	8	—
*126	Ph.D. (Edu. & Psy.)	4	—	—	4	—	—	—	—	—	—	—	—	—	—	—	—	4	—
*127	Ph.D. (Home Science)	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—

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

CAPITAL ACCOUNTS

I—University General Fund

(Subject to Audit)

1974-75

<i>Receipts</i>	<i>Rs.</i>	<i>P.</i>	<i>Payments</i>	<i>Rs.</i>	<i>P.</i>
Opening Balance as on 1-4-1974					
Interest			Building Works	7,46,770-91	
Interest free loan from the Government of India, Ministry of Education and Youth Services, New Delhi for the Construction of a Students' Hostel for 140 students under the Scheme of Introduction of Post-graduate courses in Technology and Engineering			Advance to Press	—	
Grant from Sir Sayajirao Diamond Jubilee and Memorial Trust, Baroda			Purchase of Furniture, Equipment etc.	34,830-00	
Income from additional seats in the Faculty of Commerce transferred to this towards the construction of additional class rooms, staff rooms etc.			Loss on Sale of Securities	10,324-95	
			Closing Balance	11,88,290-36	
Total	19,80,216-22			19,80,216-22	

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II—Ayurvedic Research Fund

(Subject to Audit)

1974-75

<i>Receipts</i>	<i>Rs.</i>	<i>P.</i>	<i>Payments</i>	<i>Rs.</i>	<i>P.</i>
Opening Balance as on 1-4-1974	13,22,403-86		Amount transferred towards the excess recurring expenditure over the State Government Grant for Sheth U.P.A.R. Unit	27,513-18	
Interest	60,605-87		Loss on Sale of Securities	3,22,995-25	
			Closing Balance	10,32,501-30	
Total	13,83,009-73		Total	13,83,009-73	

III—Post-graduate Instruction and Research Fund

(Subject to Audit)

1974-75

<i>Receipts</i>	<i>Rs.</i>	<i>P.</i>	<i>Payments</i>	<i>Rs.</i>	<i>P.</i>
Opening Balance as on 1-4-1974	49,79,727-27		(i) and (ii) Expenditure on Schemes (including Research Assistants)	55,829-51	
Interest	1,83,974-98		(iii) Two Post-Doctoral Fellowships at Rs. 400/- p.m. each and Contingent Grant — Rs. 1,000/- p.a. each	2,269-47	
			(iv) 12 Scholarships of Rs. 250/- p.m. each and Contingent Grant of Rs. 500/- p.a. per scholar	18,349-27	
			(v) 25% of the income to be utilized towards the expenditure on Nine Post-graduate Courses in Technology and Engineering	44,651-00	
			(vi) Loss on Sale of Securities	14,67,711-50	
			Closing Balance	35,74,891-50	
Total	51,63,702-25		Total	51,63,702-25	

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REVENUE ACCOUNTS

Appendix IX

(Subject to Audit)
1974-75

Sr. No.	Particulars	Receipts Rs. P.	Sr. No.	Particulars	Disbursements Rs. P.
1	2	3	1	2	3
I	Grants from the State Government (1 to 2)	1,23,23,345-00	I	Administration	7,35,925-29
(1)	Block Grant from the State Government	87,63,911-00	II	Examination Charges	9,58,338-21
(2)	Additional Block Grants from the State Government	35,59,434-00	III	Publications	26,707-51
(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	31,829-32
			VI	Printing, Stationery and Postages	1,01,923-89
			VII	Interest on Bank Overdraft and Loans and Repayment of Loans	12,23,162-92
			VIII	Maintenance of Buildings and Roads (including Residential Quarters and N.C.C. Buildings)	3,52,666-50
			IX	Maintenance of Gardens	67,453-45
			X	Games, Sports and Students' Welfare and Other Activities	6,64,999-58
			XI	Miscellaneous (A, B and C)	2,16,497-93
			(A)	Memberships and Contributions	14,879-60
			(B)	Office Equipment	5,259-51
			(C)	Other Items	1,96,358-82

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1	2	3	1	2	3
(c)	3½% Grant on the Wage Bill of the preceding year on a cumulative basis during each year of the triennium for Annual increments etc.	9,56,124-00	(a)	Faculty of Arts	18,13,769-41
(d)	Towards Payment of Interim Relief to the Non-Teaching Staff	6,67,000-00	(b)	Faculty of Science	38,73,606-65
			(c)	Faculty of Education and Psychology	9,13,107-79
			(d)	Faculty of Commerce	10,39,672-74
			(e)	Faculty of Technology and Engineering	39,05,835-72
			(f)	Faculty of Law	2,43,353-16
			(g)	Faculty of Fine Arts	7,28,607-15
			(h)	Faculty of Home Science	9,62,717-53
			(i)	Faculty of Social Work	3,26,968-64
			Institutions:		
			(j)	Oriental Institute	2,29,253-50
			(k)	College of Indian Music, Dance and Dramatics	6,04,951-15
			(l)	Preparatory Unit: Arts and Commerce	89,533-18
			(m)	Preparatory Unit: Science	64,139-16
			(n)	Sanskrit Mahavidyalaya	1,31,526-07
			(o)	Shri M. K. Amin Arts and Science College and College of Commerce, Padra	5,24,849-04

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XII Faculties and Institutions

1,73,64,429-03

Faculties:

- (a) Faculty of Arts
- (b) Faculty of Science
- (c) Faculty of Education and Psychology
- (d) Faculty of Commerce
- (e) Faculty of Technology and Engineering
- (f) Faculty of Law
- (g) Faculty of Fine Arts
- (h) Faculty of Home Science
- (i) Faculty of Social Work

Institutions:

- (j) Oriental Institute
- (k) College of Indian Music, Dance and Dramatics
- (l) Preparatory Unit: Arts and Commerce
- (m) Preparatory Unit: Science
- (n) Sanskrit Mahavidyalaya
- (o) Shri M. K. Amin Arts and Science College and College of Commerce, Padra

II Fees from Students (A + B + C)	80,33,520-90	(p) Polytechnic	18,18,976-26
(A) Academic :		(q) Extended Diploma Courses in Civil, Mechanical and Electrical Engineering	93,561-88
(i) Tuition Fees and Miscellaneous Income from Faculties and Institutions		XIII University Library	7,85,997-88
Faculties :		XIV University Guest House	25,059-30
(a) Faculty of Arts	10,88,247-00	XV University Auxiliary Services	8,59,792-45
(b) Faculty of Science	11,39,017-62	(a) M. S. University of Baroda Press (Sadhana Press)	5,55,636-42
(c) Faculty of Education and Psychology	2,18,464-60	(b) M. S. University Stationery Unit	2,75,409-65
(d) Faculty of Commerce	11,99,591-20	(c) M. S. University Publication Sales Unit	28,746-38
(e) Faculty of Technology and Engineering	10,44,104-70	XVI Halls of Residence for Students	11,77,253-25
(f) Faculty of Law	4,39,622-00	XVII Sheth U. P. Ayurvedic Research Unit	59,291-58
(g) Faculty of Fine Arts	67,422-40	XVIII Expenditure on Development Schemes	9,90,661-48
(h) Faculty of Home Science	3,18,506-85		
(i) Faculty of Social Work	46,998-00		
Institutions :			
(j) College of Indian Music, Dance and Dramatics	61,709-08		
(k) Preparatory Unit : Arts and Commerce	—		
(l) Preparatory Unit : Science	—		
(m) Sanskrit Mahavidyalaya	23-80		

(n) Shri M. K. Amin Arts and Science College and College of Commerce, Padra	2,67,598-00				
(o) Polytechnic	2,87,851-77				
(p) Extended Diploma Courses in Civil, Mechanical and Electrical Engineering	37,799-00				
(ii) Fees for Enrolment etc. :					
(a) For Enrolment Certificate	45,746-00				
(b) For Post-graduate Registration	4,140-00				
(B) Examination Fees	12,75,048-68				
(C) Other Fees	4,91,630-20				
III Income from Halls of Residence for Students	5,54,732-00				
IV Income from Buildings, Lands and Other Properties	3,06,906-24				
V Health Services—University Health Centre	13,857-42				
VI University Auxiliary Services (a+b+c)	8,19,506-52				
(a) Income from M. S. University of Baroda Press (Sadhana Press)	4,71,016-32				
(b) Income from M. S. University Stationery Unit	2,84,028-95				

1	2	3	4	5	6
	(c) Income from Publications	64,451-25			
VII	Miscellaneous Receipts	1,81,420-21			
VIII	Sheth U.P. Ayurvedic Research Unit	59,291-58			
	(1) State Government Grant	30,000-00			
	(2) Income from Out Patient Ward	1,778-40			
	(3) Excess Recurring Expenditure met from Ayurvedic Research Fund	27,513-18			
IX	Transfer from Insurance Fund towards payment of Insurance Premium on Insurance of Buildings, Equipments, Books etc.	92,979-99			
	Total Receipt	2,23,85,559-86			
	Add: Excess of Disbursements over Receipts i.e. Deficit	32,56,429-71			
	Grand Total	2,56,41,989-57			Grand Total

Grants for Development and Research Schemes—1974-75

Sr. No.	Name of the Agency	Grant Rs.
1.	University Grants Commission	36,12,659-10
2.	Ministry of Education, Government of India	3,58,442-78
3.	Ministry of Defence, Research and Development Organisation	14,245-17
4.	Council of Scientific and Industrial Research	38,696-18
5.	Indian Council of Social Science Research	10,000-00
6.	Indian Council of Historical Research	12,150-00
7.	Government of Gujarat (Matching Grant)	8,16,662-01
8.	Government of Gujarat (Research and Other Schemes)	1,63,074-65
9.	United States Departments of Agriculture (AM-PL-480 Programmes)	4,57,632-60
10.	Grant from Government of India, Department of Atomic Energy	8,050-00
11.	Inter University Board of India and Ceylon	1,000-00
12.	Director General, Archaeological Survey of India	25,000-00
13.	Gujarat Electricity Board	5,037-90
14.	Central Social Welfare Board	1,32,500-00
15.	Baroda District Marginal Farmers' and Agricultural Labour Development Agency	5,000-00
16.	Director of Prohibition and Excise, Gujarat State	3,500-00
17.	National Council of Educational Research and Training	3,850-00
	Total	56,67,500-39

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
Preparatory Science	24	25	24	25	22	16
Preparatory Arts and Commerce	—	2	3	1	7	3
Arts	1	3	5	6	20	5
Commerce	9	16	9	22	23	20
Science	27	29	49	25	21	35
Education and Psychology	—	—	—	1	2	2
Technology and Engineering	91	99	83	98	117	88
Polytechnic	6	8	7	3	10	11
Medicine	10	6	5	5	7	20
Social Work	1	—	1	—	—	—
Fine Arts	4	—	4	4	8	2
Music	—	3	—	—	—	—
Law	3	1	1	3	1	4
Home Science	—	—	—	—	—	—
Total :	179	192	191	193	238	206

UNIVERSITY OF BARODA
during 1974-75

Lal Bahadur Shastri Hall	Shri Nusservanji Vakil Hall	Shri Dadabhai Naoroji Hall	Shri Rabindra-nath Tagore Hall	Shri M. Vish-vesaraya Hall	Siddharaj Jaysinh Hall	Boys Total	Smt. Sarojini Devi Hall	Smt. Hansa Mehta Hall	Pandita Gargi Hall	Kasturba Gandhi Hall	Girls Total	Grand Total
12	12	—	43	19	29	251	8	11	11	5	32	286
3	1	—	7	1	9	37	1	5	3	2	11	48
16	15	4	9	17	8	109	20	33	34	15	102	211
11	48	14	28	23	32	255	14	12	17	6	49	304
21	27	16	32	44	41	367	46	32	36	11	125	492
9	4	—	3	20	1	42	13	9	13	2	37	79
56	44	9	137	95	110	1027	7	9	5	1	22	1049
8	14	—	34	46	61	208	—	—	—	—	—	208
10	5	—	21	10	15	114	24	16	4	5	49	163
2	—	4	5	—	5	18	5	3	9	1	18	36
5	1	1	5	12	13	59	12	9	7	6	34	93
—	1	2	1	3	—	10	5	—	4	8	17	27
3	1	9	9	3	9	47	6	2	1	1	10	57
—	—	1	—	—	—	1	124	59	73	35	291	292
156	173	60	334	293	333	2545	285	200	217	98	800	3345