

31

*M.S. University of Baroda*  
*Thirty First*  
*Annual Report*  
*1979-80*



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ANNEXURE

Enclosure To Senate Item No.

Senate

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# annual report 1979-80



**THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA**

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31



## OFFICERS OF THE UNIVERSITY

*Chancellor*

*Vice-Chancellor*

*Pro-Vice-Chancellor*

*Deans :*

Faculty of Arts

Faculty of Science

Faculty of Education  
and Psychology

Faculty of Commerce

Faculty of Medicine

Faculty of Technology  
and Engineering

Faculty of Law

Faculty of Fine Arts

Faculty of Home  
Science

Faculty of Social Work

*Registrar*

*Librarian*

*Other Officers*

Director, Oriental  
Institute

Principal, College of  
Indian Music, Dance  
and Dramatics

Principal, Sanskrit  
Mahavidyalaya

Principal, Polytechnic

Principal, M. K. Amin  
Arts & Science College  
& College of Commerce,  
Padra

In-charge Director,  
Centre for Continuing/  
Adult Education &  
Community Services

Shri Fatehsinhrao Gaekwad

Professor P. J. Madan

Professor S. M. Sethna

Professor J. Birje-Patil

Professor S. S. Merh

Professor D. B. Desai

Professor H. P. Chokshi

Dr. V. P. Bhatt ( Upto 30-4-1979 )

Dr. P. T. Acharya ( From 1-5-1979 )

Professor S. M. Sen

Professor H. C. Dholakia

Professor Ratan Parimoo

Professor (Kumari) Padma S. Chari

Dr. S. R. Yardi

Shri K. A. Amin

Dr. L. M. Padhya

Professor A. N. Jani

Professor M. J. Bhatt

Professor P. K. Dongre

Shri V. H. Shah

Shri I. A. Dave

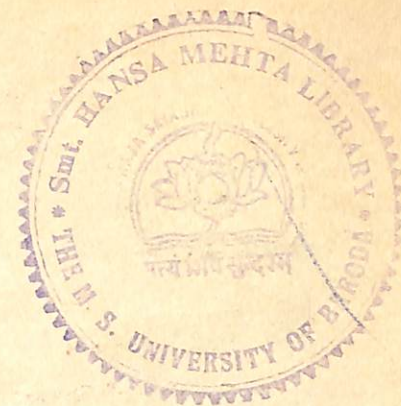
Professor ( Kumari ) Malathi  
Chakravorty



NOT TO BE ISSUED

# Thirty-First Annual Report

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA  
1979-80





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Thirty-First  
Annual Report

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA  
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His Highness the Maharaja Sir Sayajirao Gaekwad of Baroda

## THIRTY-FIRST ANNUAL REPORT- 1979-80

### INTRODUCTION

The Vice-Chancellor has great pleasure in presenting to the Senate, on behalf of the Syndicate, this Thirty-first Annual Report for the year 1979-80. The activities of the various Faculties and different Institutions of the University and the progress achieved in the year 1979-80, are presented in the following pages.

The Maharaja Sayajirao University of Baroda has a long history which goes as far back as 1881, the year the Baroda College was founded by Maharaja Sayajirao Gaekwad III. The Kalabhavan was established in 1890. These two institutions formed the nucleus of the University which came into being in 1949. The University was actually conceived in 1919 during the Maharaja's reign when a committee was appointed to explore the possibilities of establishing a university in Baroda. An elaborate report was drawn up with a concrete proposal for the establishment of a university; but it was felt that the time was not yet ripe for a university.

The idea was revived in 1925 when the Baroda University Commission was appointed. It submitted its report in 1927. Its principal recommendations were that a university should be established immediately in Baroda; that it should be called "Sir Sayajirao University of Baroda"; that it should be unitary and residential, having the Faculties of Arts, Science, Technology and Agriculture, Economics, Commerce and Administration.

So the following institutions of higher learning were established in Baroda:

- (1) The Secondary Teachers' Training College in 1935,
- (2) The Sayaji Golden Jubilee Science Institute in 1937,
- (3) The Pratapsinh College of Commerce and Economics in 1942, and
- (4) Government orders were passed for the establishment of Medical and Engineering Colleges, which ultimately began functioning from 1949.

Soon after Independence the Maharaja Sayajirao University, the Unitary Teaching type, came into existence 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 Gujarati Section of the Old Baroda High School were taken over from the Government of Bombay. To-day the University has the following Faculties and Institutions under it :—Faculties of Arts, Science, Education and Psychology, Commerce, Medicine, Technology and Engineering, Fine Arts with the College of Indian Music, Dance and Dramatics, Home Science, Social Work, Law, Oriental Institute, Polytechnic, Sanskrit Mahavidyalaya, Centre for Continuing/Adult Education and Community Services, and M. K. Amin Arts and Science College and College of Commerce, Padra.

#### Growth of Student Enrolment

The University started with 2,962 students on its roll. In 1979-80 it had 18,962 University students and 2,386 non-University students. The following table gives student enrolment figures for the year 1974-75 to 1979-80 :

Year	Total enrolment	Percentage increase/decrease
1975-76		
1976-77	21,138*	
1977-78	20,664*	-10.9*
1978-79	19,486	-2.3*
1979-80	19,247	-5.7
	18,962	-1.24
		-1.43

\*The decline in enrolment may be attributed to the discontinuance of Preparatory Classes consequent on the introduction of "10 + 2 + 3" pattern of education.

Sex-Percentage in different Faculties : The table following below gives the percentage of men and women students in the various Faculties and Institutions of the University for the years 1950-51, 1960-61, 1970-71 and 1979-80 :

	1950-51		1960-61		1970-71		1979-80	
	Men	Women	Men	Women	Men	Women	Men	Women
1	2	3	4	5	6	7	8	9
Arts	72.1	27.9	65.7	34.3	47.5	62.5	56.9	43.1
Science	—	—	87.5	12.5	72.2	27.8	67.6	32.4
Education and Psychology	87.2	12.8	63.0	37.0	30.7	60.3	34.6	65.4
Commerce	—	—	82.6	17.4	62.8	17.4	63.9	36.1
Medicine	89.8	10.2	82.6	17.4	84.0	16.0	85.1	14.9
Technology and Engineering	99.6	0.4	99.0	1.0	97.7	2.3	94.9	5.1
Fine Arts	—	—	83.6	16.4	73.0	27.0	76.0	24.0
Home Science	—	100.0	—	100.0	0.1	99.9	00.25	99.75
Social Work	85.8	14.2	75.0	25.0	56.0	44.0	70.1	29.9
Law	—	—	—	—	89.5	10.5	88.7	11.3
College of Indian Music, Dance and Dramatics	80.0	20.0	63.3	36.7	44.1	55.9	49.0	51.0
Baroda Sanskrit Mahavidyalaya	—	—	85.7	14.3	80.0	20.0	87.0	13.0
Polytechnic	—	—	99.6	0.4	99.4	0.6	99.4	0.6
Shri M. K. Amin Arts and Science College and College of Commerce, Padra.	—	—	—	—	90.8	9.2	82.6	17.4



Student Enrolment in Post-graduate Courses was 304 in 1950-51 and was 1,996 in 1979-80.

In 1950-51 there were 2,161 Under-graduate students in the different Faculties and Institutions of the University. The figure for 1979-80 was 13,788.

In 1979-80, 3,178 students were enrolled in different Diploma courses.

**Percentage of Student Enrolment in the different Faculties and Institutions**

Faculty or Institution	1975-76	1976-77	1977-78	1978-79	1979-80
Arts	13.2	12.1	14.9	16.1	13.7
Science	7.7	8.0	9.7	10.9	10.5
Education and Psychology	2.2	2.1	2.2	2.3	2.6
Commerce	17.0	15.8	15.8	18.3	20.3
Medicine	4.2	4.3	4.5	5.0	5.2
Technology and Engineering	13.8	14.8	15.9	16.8	17.3
Fine Arts	1.4	1.6	1.9	1.8	1.9
Home Science	4.5	4.9	4.8	4.1	4.2
Social Work	0.5	0.4	0.6	0.5	0.6
Law	5.5	5.8	7.2	7.0	6.0
M. K. Amin Arts and Science College and College of Commerce, Padra.	4.9	3.1	4.1	5.0	5.6
College of Indian Music, Dance and Dramatics	0.4	0.5	0.5	0.6	0.5
Sanskrit Mahavidyalaya	0.3	0.3	0.2	0.3	0.3
Polytechnic	8.7	9.0	10.5	11.3	11.3
	100.0	100.0	100.0	100.0	100.0

**University Teachers :**

**Teacher -Student Ratio :**—The total number of teachers ( including Teaching Assistants, Senior/Junior Instructors, Tutors, Honorary and Part-time Teachers ) in the Faculties and Institutions of the University during the year under report was 1,073 ( including 167 teachers of the Medical College ) as against the total student enrolment of 18,962. This gives an over-all teacher-student ratio of 1 : 17.6. The corresponding strength of University teachers and teacher-student ratio over the last five years is indicated below :

Year	No. of University Teachers	Student Enrolment	Teacher-Student Ratio
1975-76	1,012	21,138	1 : 20.9
1976-77	1,013	20,664	1 : 20.1
1977-78	1,037	19,486	1 : 18.8
1978-79	1,022	19,247	1 : 18.8
1979-80	1,073	18,962	1 : 17.6

**Hostel and Health Services :**

**Halls of Residence :**—The demand from students for accommodation in the University Halls of Residence has been increasing. All possible steps are being taken to increase the hostel facilities for students. At its start in 1949, the University had accommodation for only 400 men students and no accommodation for women students. At the end of the year under review there were 12 Halls for men and 4 for women students. There were 2,588 men students and 667 women students in the different Halls. The percentage of students residing in the University Hostels works out to 17.1. 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
1975-76	2,676	771	3,447	12.7	3.6	16.3
1976-77	2,533	750	3,283	12.3	3.6	15.9
1977-78	2,473	726	3,199	12.7	3.7	16.4
1978-79	2,551	659*	3,210	13.3	3.4	16.7
1979-80	2,588	667*	3,255	13.6	3.5	17.1



\*The decline in the number of women students residing in the Hostels is consequent to the provision of single rooms for post-graduate women students.

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

Year	Staff and their families	%	No. of Cases Treated		Total cases	Daily average attendance
			Students	%		
1975-76	9,001	30.1	20,899	69.9	29,900	81.9
1976-77	9,208	30.2	21,295	69.8	30,503	103.4
1977-78	11,547	35.4	21,033	64.6	32,580	105.0
1978-79	23,871	65.2	12,755	34.8	36,626	121.0
1979-80	26,930	76.5	8,287	23.5	35,217	117.0

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 them at two Centres (established in 1973-74)—one near Kothi, and the other in Bajawada and Pratapnagar localities.

The detailed Statement regarding patients (members of University non-teaching staff) treated at those Centres is as under :

	Raopura Centre	Bajawada and Pratapnagar Centre
1. Number of Families who attended the Clinic	74	70
2. Number of times, member from these families attended the Clinic	1,338	1,502
3. Number of days these members were treated	3,280	3,350

Rules for Medical Reimbursement on the lines of those existing in the Government were implemented for the non-teaching staff and their family members, covered under the Second Pay Commission's Scales of pay. During 1979-80, an amount of Rs. 33,278-22 was reimbursed by the Government.

#### Developments :

The development activities of the earlier years have been described in the Thirty Annual Reports that have been presented so far. This, the Thirty First Annual Report, covers the period from 1st April, 1979 to 31st March, 1980, 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 Sections 42 and 69 of the Act):

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

### 2. Number of Students

The number of University students during the year was 18,962 (13,893 men students and 5,069 women students) that of non-University students was 2,386 (1,544 men students and 842 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-Ninth Annual Convocation was held on the University Gardens, Baroda on Saturday, 8th December, 1979. Shri Fatehsinhrao Gaekwad, the Chancellor presided. Hon'ble Smt. Sharda Mukerjee, Governor of Gujarat, delivered the convocation Address. 3,553 degrees and diplomas were awarded.

(ii) The Twentieth Supplementary Convocation was held on Sunday, 23rd March, 1980 in the General Education Auditorium, Baroda. Professor P. J. Madan, Vice-Chancellor presided. 643 degrees and diplomas were awarded. Appendix III gives details of degree and diplomas awarded.

#### (2) New Courses :

The details of new courses are given in the reports of respective Faculties.

#### (3) Conferences, Seminars, Workshops :

(1). Seminar on Children's Literature and Adults from 12-7-1979 to 15-7-1979 (Faculty of Home Science).

(2) Second National Seminar on Banking from 12-11-1979 to 14-11-1979 (Faculty of Commerce).

(3) Annual Congress of the Indian Association for Pre-School Education on "Child in the Family" from 15-11-1979 to 15-12-1979 (Faculty of Home Science).

(4) Short Term Institute in Methods of Teaching and Evaluation for College Teachers from 4-4-1979 to 24-4-1979 (Faculty of Education and Psychology).

(5) VIIIth All India Colloquium on Micropalaeontology and Stratigraphy (Faculty of Science). From 14-2-1980 to 16-2-1980.

(6) Indian Pharmaceutical Congress from 24-11-1979 to 31-12-1979 (Faculty of Technology).

#### (4) Special Lectures for the year 1979-80 :

(i) The Maharaja Sayajirao Memorial Lectures for the year 1979-80:

(a) Dr. Jyotindra M. Mehta, former Vice-Chancellor, M. S. University, Baroda:

(1) "Political and Socio-Economic Trends in the Country since Independence" 11-12-1979

(2) "Political and Socio-Economic Trends in the Country since Independence" 12-2-1979

(b) Dr. H. N. Sethna, Chairman, Atomic Energy Commission, Government of India, Bombay:

(1) "Atomic Energy in India: Its Contribution towards self-reliance in Science and Technology" 12-3-1980

(2) "Safety Aspects of Nuclear Energy" 13-3-1980

(ii) Tagore Chair in Humanities of the M. S. University:

(a) Smt. Rukmini Devi Arundale, Kalakshetra, Adyar (Madras). She delivered three lectures on 12th and 13th March, 1980.

#### (5) Development Schemes :

The Schemes sanctioned by the University Grants Commission during 5th Five Year Plan for Humanities, Social Sciences, Sciences and Technology and Engineering as mentioned in earlier reports were well in progress.

(6) The following New Research Schemes have been approved :

(i) The Government of Gujarat have agreed to take over the entire liability of the post of Lecturer in Arabic with effect from 1-4-1984



when 100% financial assistance from the University Grants Commission ceases.

- (ii) The University Grants Commission have offered a grant of Rs. 15 lakhs upto the end of 1982-83 for Bio-chemistry Department under Special Assistance Programme for recurring and non-recurring expenditure.
- (iii) The Government of Gujarat have sanctioned a grant of Rs. 45,000 for Block Level Planning for full employment in Chhota Udepur Taluka.

(7) *Buildings :*

- (a) The following new Buildings were completed:

- (i) Extension of Law Faculty Building.
- (ii) New Building for Computer Centre.
- (iii) Proposed additions to the Non-Resident Students Centre on the First Floor of the Canteen of Faculty of Technology and Engineering.

- (b) The following buildings are under construction:

- (i) New Building for Departments of History, Economic and Foreign Language, and History.
- (ii) Additions and Extension to the Faculty of Science Building for providing additional space for Departments of Mathematics, Statistics and Botany.
- (iii) Building for the Departments of Chemistry and Zoology.
- (iv) New Building for Department of Museology.
- (v) Building for Central Instrumentation Facilities (Technology) and Architecture Department.
- (vi) Building for Textile Chemistry and Shed for Textile Engineering Department.
- (vii) Shed for Electrical Engineering Department.

(8) *Silver Jubilee Fund :*

The University had collected an amount of Rs. 38,54,952/- as donation and Rs. 9,03,035/- towards interest on investments upto 31-3-1979. During 1979-80 University received further donation of Rs. 73,478/- and Rs. 4,35,859/- towards interest on Investments. The total amount collected towards the Silver Jubilee Fund amounted to Rs. 39,28,430/- as donation and 13,38,894/- towards interest on investments, as on 31-3-1980.

(9) *Visitors :*

The following distinguished people visited the M. S. University during the year under report:

- (1) Professor Satishchandra, Chairman, University Grants Commission, Delhi, 7th April, 1979.
- (2) Shri P. Sabanayagam Education Secretary, Government of India, New Delhi—7th July, 1979.
- (3) Shri R. V. Chandramouli, Secretary, Education Department, Gujarat State,—21st September, 1979.
- (4) Mr. Abdul Sattar, H. E. Ambassador of Pakistan,—15th November, 1979.
- (5) Professor B. Ramachandra Rao, Vice-Chairman, University Grants Commission, New Delhi,—25th February, 1980.

(10) *Visiting Committee :*

The University Grants Commission Assessment Committee for the Centre of Advanced Study in Education visited the University on 18th and 19th March, 1980.

**4. Teaching Staff**

The teaching staff (excluding 167 in Medical College) consisted of 76 Professors, 148 Readers, 624 Lecturers, 9 Senior Instructors and Ustads, 46 Honorary, Part-time and others, the total being 906. (Appendix IV).

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

- (i) Teachers who were granted facilities for participation in Conferences and Seminars, etc. in India and Abroad during the year, 1979-80:

Sr.No.	Name and Designation	Purpose
1.	Professor G. C. Kothari, Professor of Electrical Engineering, Faculty of Technology and Engineering	International Federation of Automatic Control, Symposium on Computer, Application in Large Scale Power Systems, New Delhi, 16-18 August, 1979.
2.	Professor O. D. Gulati, Professor of Pharmacology, Medical College	Second South-East Asian and Western Pacific Regional Meeting Yoggakarta 24-27 June, 1979.
3.	Dr. A. G. Patel, Medical Superintendent, S. P. Sanitorium, Baroda	XIth Eastern Region T.B. Conference of the I.U.A.T. Colombo (Sri Lanka), 14-19 October, 1979.



Sr.No.	Name and Designation	Purpose
4.	Professor Atul R. Mehta, Professor of Botany, Faculty of Science	Indian Science Congress Association at Calcutta, 1-8 January, 1980.
5.	Professor K. N. Trivedi, Professor and Head, Department of Chemistry, Faculty of Science	Annual Convention of Chemistry, 1979 at Kurukshetra, 23-24 September, 1979.
6.	Dr. Thomas Pantham, Reader in Political Science, Faculty of Arts	International Political Science Associations XIth World Congress, Moscow, 12-18 August, 1979.
7.	Professor S. S. Merh, Head and Dean, Department of Geology, Faculty of Science	Indian Science Congress, Calcutta from 31-1-1980 to 5-2-1980.
8.	Professor V. M. Shah, Professor and Head, Department of Mathematics, Faculty of Science	Indian Science Congress, Calcutta, from 31-1-1980 to 5-2-1980.
9.	Professor C. H. Pathak, Head, Department of Botany, Faculty of Science	Indian Science Congress, Calcutta, from 31-1-1980 to 5-2-1980.
10.	Miss S. H. Divetia, Reader in Philosophy, Faculty of Arts	Session of Indian Philosophical Congress, Madras, 27-31 December, 1979.
11.	Dr. K. R. Shah, Reader in Business Economics, Faculty of Commerce	Gujarat Economics Conference, Bhavnagar.
12.	Professor G. C. Kothari, Professor of Electrical Engineering, Faculty of Technology and Engineering	All India Ehu Forum, Bombay, 20-24 Decem- ber, 1979.
13.	Dr. M. H. Siddiqui, Head, Department of Persian and Urdu, Faculty of Arts	Anjuman-e-Ustadan-e-Farsi, Persian Con- ference recognised and sponcered by U.G.C. Jamia Millia Islamia University, New Delhi, 28-30 December, 1979.

Sr.No.	Name and Designation	Purpose
14.	Dr. ( Miss ) M. Gon, Reader in Psychology, Faculty of Education and Psychology	Xth All India Conference of Clinical Psycho- logists at the National Institute of Mental Health and Neuro Sciences, Bangalore, 7-10 December, 1979.
15.	Shri N. D. Jadhav, Lecturer in Applied Chemistry, Polytechnic	International Liquid Crystal Conference, Bangalore, 3-8 December, 1979.
16.	Dr. R. A. Vora, Lecturer in Applied Chemistry, Faculty of Technology and Engineering	International Liquid Crystal Conference, Bangalore, 3-8 December, 1979.
17.	Professor G. C. Beri, Professor and Head of the Department of Commerce Faculty of Commerce	The 33rd All India Commerce Conference, Kolhapur, 24-27 December, 1979.
18.	Shri O. P. Joneja, Lecturer in English, Padra	The Commonwealth Literature Seminar at Rajasthan University, Jaipur, 15-17 Novem- ber, 1979.
19.	Dr. S. R. Karmakar, Reader and Head, Department of Textile Chemistry, Faculty of Technology and Engineering	36th All India Textile Conference, 1979, Nagpur, 26-27 Dece,ber, 1979.
20.	Dr. Jyoti K. Parikh, Lecturer in Department of Child Development, Faculty of Home Science	Indian Association of Education—Annual Conference, Madura, 26-28 December, 1979.
21.	Professor B. B. L. Mathur, Sr. Professor and Head of the Department of Pathology, Medical College	Annual Conference of Indian Association of Pathologists and Microbiologists and the Indian Division of the International Academy of Pathology, Chandigarh, 28-30 December, 1979.
22.	Dr. D. K. Shah, Reader in Statistics, Department of Statistics, Faculty of Science	Gujarat Statistical Association, Jamnagar, 22-24 December, 1979.



Sr.No.	Name and Designation	Purpose
23.	Shri R. C. Shah, Lecturer in Physics, Faculty of Science	11th National Conference on Crystallography, Jadavpur, Calcutta, 17-19 January, 1980.
24.	Dr. N. L. Kekan, Lecturer in Physics, Faculty of Science	11th National Conference on Crystallography, Jadavpur, Calcutta, 17-19 January, 1980.
25.	Dr. J. R. Pandya, Reader in Applied Physics, Faculty of Technology and Engineering	11th National Conference on Crystallography, Jadavpur, Calcutta, 17-19 January, 1980.
26.	Smt. V. A. Mehta, Technical Asstt. (Library) Faculty of Technology and Engineering	Library Seminar, Ahmedabad, 23-25 December, 1979.
27.	Smt. I. N. Sheth, Technical Asstt. (Library) Faculty of Technology and Engineering	Library Seminar, Ahmedabad, 23-25 December, 1979.
28.	Dr. M. H. Divekar, Lecturer in Chemical Engineering, Faculty of Technology and Engineering	32nd Annual Session of Indian Institute of Chemical Engineers Venue, I.I.T., Bombay, 22-25 December, 1979.
29.	Dr. V. P. Bhatt, Reader in Physics, Faculty of Science	11th National Conference on Crystallography, Jadavpur, Calcutta, 12-20 January, 1980.
30.	Dr. G. R. Pandya, Lecturer in Physics, Faculty of Science	11th National Conference on Crystallography, Jadavpur, Calcutta, 12-20 January, 1980.
31.	Professor M. G. Gupta, Professor and Head, Department of Hindi, Faculty of Arts	All India Seminar on the Eve of Sun Panchshti, University of Kanpur, 27-29 January, 1980.
32.	Professor S. K. Damle, Professor and Head, Department of Applied Mechanics, Faculty of Technology and Engineering	Twenty Fourth Congress of the Indian Society of Theoretical and Applied Mecha- nics, Regional Engineering College, Rourkela, 8-11 February, 1980.

Sr.No.	Name and Designation	Purpose
33.	Dr. (Mrs.) Yogini Pathak, Lecturer in Child Develop- ment, Faculty of Home Science	Indian Science Congress, Jadavpur, Calcutta, 1-5 February, 1980.
34.	Mrs. Kalpana R. Parlikar, Lecturer in Home Science, Education and Extension, Faculty of Home Science	Indian Science Congress, Jadavpur, Calcutta, 1-5 February, 1980.
35.	Professor V. V. Modi, Head, Department of Microbiology, Faculty of Science	Seminar on Management of Environment, Bhabha Atomic Research Centre, Bombay, 11-15 February, 1980.
36.	Dr. Thomas Pantham, Reader in Political Science, Faculty of Arts	David Easton Lecture-cum-Seminar, Uni- versity of Jaipur, 28-29 January, 1980.
37.	Dr. V. H. Bedekar, Department of Museology, Faculty of Fine Arts	The Annual Conference Organised by Museums Association of India, New Delhi at Calcutta, 17-19 January, 1980.
38.	Dr. D. R. Shah, Lecturer in Business Economics, Faculty of Commerce	XVI Dairy Industry Conference, 1980, Pune (Maharashtra), 8-10 March, 1980.
39.	Dr. P. V. Patel, Lecturer in Zoology, Faculty of Science	"2nd Symposium on Life Sciences", Nagpur, 9-11 March, 1980.
40.	Dr. Bonny Pilo, Reader in Zoology, Faculty of Science	"2nd Symposium on Life Sciences", Nagpur, 9-11 March, 1980.

#### 6. University Examination Results

73 Candidates were declared qualified for the award of Ph.D. degree of this University during the year 1979-80. A Statement showing the names, subjects and titles of the thesis is given in Appendix V.

Statement showing the University examination results of (i) March-April-May-June, 1979 and (ii) October-November, 1979 are given in Appendices VI and VII.



## 7. Endowments and Donations

The Syndicate accepted the following Endowments during the year :

Name of the Endowment	Amount of Donation Rs.	Purpose
1	2	3
( i ) Shri B. V. Patel Memorial Gold Medal Fund donated by Honorary Secretary, Shri B. V. Patel Education Trust, Ahmedabad	8,000/-	For awarding a Gold Medal to a regular student who has passed the Final Year B.Pharm. degree Examination held by the M. S. University of Baroda in March/April, with at least Second Class, at the first attempt obtaining the highest number of marks in aggregate thereat.
( ii ) Express Group Gold Medal Fund donated by the Managing Director, Shri R. C. Gandhi, Express Transport Pvt. Ltd., Baroda	8,000/-	For awarding a Gold Medal to a regular student who obtains the highest number of marks in the subject of "Planning and Construction" at the B.E. ( Civil ) Final Examination held by the M. S. University of Baroda in March/April, at the first attempt in the same academic year.
( iii ) Shri Sudhir V. Valodkar ( Chartered Accountant ) Memorial Prize Fund donated by Shri M. V. Despande, Baroda	4,010/-	For awarding a Cash Prize to a regular student who has passed the final year B.Com. Examination with Accounting and Auditing as a special subject held by the M. S. University of Baroda in March/April, with at least Second Class, at first attempt, obtaining the highest number of marks in aggregate total of Paper I at the S.Y.-B.Com. level and Papers II and III at the Final Year B.Com. level examinations.
( iv ) Smt. Dipakha Umakant Saiyadh Prize Fund donated by Dr. Kamalkant Saiyadh, Homeopath, Baroda	2,500/-	For awarding a Cash Prize to a regular student who has passed the S.Y.B.A. Examination with Sanskrit as Minor subject, held by the M. S. University of Baroda in March/April, with at least 50% of marks in the subject at first attempt obtaining highest number of marks in aggregate thereat.

1	2	3
( v ) Shri Umakant Bhagavanlal Saiyadh Prize Fund donated by Dr. Kamalkant Saiyadh, Homeopath, Baroda	2,500/-	For awarding a Cash prize to a regular student who has passed the M.A. Examination with Sanskrit as subordinate subject, held by the M. S. University of Baroda in March/April, with at least 50% of marks in the subject at first attempt, obtaining the highest number of marks in aggregate thereat.
( vi ) Visnagar Taluka Major Sahakari Mandal Ltd. Gold Medal Fund donated by Visnagar Taluka Majoor Sahakari Mandali Ltd., Visnagar towards Silver Jubilee Fund	8,000/-	For awarding a Gold Medal to a regular student who passes B.E. ( Civil ) final year examination held by the M. S. University of Baroda in April/May at first attempt, obtaining highest number of marks in the total groups of subjects of B.E. ( Civil ) First and Second Semester in the same academic year as given below:— 1. B.E. V. ( Civil ) Sem. I—( i ) Water Resources Engineering, ( i ) Drawing and Design ( Irrigation ). 2. B.E. V ( Civil ) Sem. II—Elective subjects of Irrigation and Hydraulic Structure Group.
( vii ) Shri C. K. Desai Prizes Fund donated by Smt. Kashiben C. Desai, Baroda, on the occasion of Shrimad Bhagwat Saptah of Pujya Dongre Shastriji organised for collection of M. S. University Silver Jubilee Fund	10,001/-	For awarding various prizes as per the following candidations :— ( i ) 60% of the interest shall be utilized for the purchase of books to be given to students studying in Baroda Sanskrit Mahavidyalaya, M. S. University of Baroda, Baroda. ( ii ) 20% of the interest shall be utilized for awarding Cash Prizes to regular students securing highest number of marks in the final year examination of Visharad, Shastri and Acharya Courses held by the M. S. Univer-



1	2	3
		sity of Baroda in March/April, at first attempt as under:—
Name of Examination	Amount of Prize	
(a) Visharad	6% of interest 20% of interest	
(b) Shastri	7% of interest 20% of interest	
(c) Acharya	7% of interest 20% of interest	
(iii)	Remaining 20% of interest shall be utilized for awarding prizes and Prasad to students of Baroda Sanskrit Mahavidyalaya by organising Cultural Programme in the institutions if possible on 13th March every year as per desire of the donor.	
(viii) Shri L. R. Aneja	10,000/-	For arranging a lecture to be delivered by an eminent scholar in the field of Electrical/ Electronics Engineering.
Administrative Director, Automatic Electric Ltd., Bombay.		
Lecture Series Fund donated by Shri R. P. Patel, Partner, Associated Electricals, Baroda on the occasion of Shrimad Bhagwat Saptah of Pujya Dongre Shastriji organised for the collection of M. S. University Silver Jubilee Fund.		
(ix) Ashok Organic Industries Ltd.	8,000/-	For awarding a Gold Medal to a regular student who passes B.E. (Chemical) Final Year Examination held by the M. S. University of Baroda in April/May in First
Medal Fund donated by the Director, Med		

1	2	3
M/s. Ashok Organic Industries Ltd., Nandesari, Baroda		Class at first attempt, obtaining highest number of marks in the total groups of subjects of B.E. V (Chemical) First and Second Semester in the same academic year.
(x) Prof. Ranjit Patel (Anami) Sanman Fund donated by President, Prof. Ranjit Patel (Anami) Sanman Fund	24,518/-	For awarding four Scholarships and other activities as per following conditions:—
		(a) One Scholarship in two equal instalments to be awarded to a regular student studying in S.Y.B.A. Class in the Faculty of Arts, taking Gujarati as Major subject and having secured the highest number of marks in Gujarati amongst this group in Gujarati (Optional) Paper at the F.Y.B.A. Examination held by the M. S. University of Baroda in March/April, with at least Second Class, at first attempt.
		(b) One Scholarship in two equal instalments to be awarded to a regular student, studying in T.Y.B.A. Class in the Faculty of Arts taking Gujarati as Major subject and having secured the highest number of marks in the Major subject 'Gujarati' (at least 50% of marks) at the S.Y.B.A. Examination held by the M. S. University of Baroda in March/April, at first attempt.
		(c) One Scholarship in two equal instalments to be awarded to a regular student, studying in M.A. Part I Class in the Faculty of Arts with Gujarati as an Entire subject and having secured the highest number of marks in Gujarati taken of Major subject at the T.Y.B.A. Examination held by the M. S. University of



1	2	3
		Baroda in March/April, with at least Second Class at first attempt.
(d)		One Scholarship in two equal instalments to be awarded to a regular student, studying in M.A. Part II Class in the Faculty of Arts with Gujarati as an Entire subject and having secured the highest number of marks in the entire subject 'Gujarati' at the M.A. Part I examination held by the M. S. University of Baroda in March/April, with at least Second Class at first attempt.
		<i>For purpose of other academic activities</i>
		A sum of Rs. 250/- from the interest amount to be given every year to Head, Department of Gujarati, Faculty of Arts, M. S. University of Baroda, for the following activities :
(a)		One or more lectures under the name of "Professor Ranjit Patel (Anami) lecture Series" be arranged every year to be given by a reputed scholar in the subject of Gujarati Language and Literature for which Rs. 150/- will be spent.
(b)		One prize of Rs. 40/- and one prize of Rs. 60/- to be given to students of M.A. Part I and M.A. Part II respectively who are adjudged to be the best for the term paper during the year. The decision of the Head, Department of Gujarati, Faculty of Arts will be the final in awarding these two prizes.

1	2	3
(xi)	Shri Prasannakumar D. Mehta memorial Prize Fund donated by Lt. Col. Keyur P. Mehta, Baroda	2,500/- For awarding a Prize in Cash to a student of the regular batch who has passed the Final M.B.B.S. Examination held by the M. S. University of Baroda at first attempt, obtaining the highest number of marks in aggregate thereat.
(xii)	"Sayaji Iron" Gold Medal Fund donated by M/s. Sayaji Iron and Engineering Co. Pvt. Ltd., Baroda	8,000/- For awarding a Gold Medal to a regular student who passes B.E. (Civil) Degree Examination in First Class, at first attempt, held by the M. S. University of Baroda in April/May, obtaining the highest number of marks in the subjects of Highway Engineering group of Final Year Civil, First and Second semesters as given below, provided the student should have passed both the Final year Semesters at first attempt i.e. First semester as a regular student and Second Semester as a regular student at the very same academic year during which he has kept terms as regular student for the first time.
		(i) B.E. (Civil) Final Year—I Semester Highway and Air Port Engineering.
		(ii) B.E. (Civil) Final Year—II Semester Elective Subjects of Highway Engineering group.
(xiii)	Professor L. B. Shah Prizes Fund donated by the President, Young Engineer's Group, Baroda	15,001/- For awarding Three Cash Prizes as under:
		(i) The first prize to a regular student studying in the final year of B.E. (Mechanical) either of Four Year Degree or Five Year Degree Course, at the Faculty of Technology and Engineering, M. S. University of Baroda and who has obtained the highest percentage of total aggregate marks in the I and II Semester Examinations- Pre-Final Year i.e. B.E. III (Mechanical) of Four Year



1	2	3
		Degree Course or B.E. IV (Mech.)
		Five Year Degree Course taken together conducted by the M. S. University of Baroda or Faculty of Technology and Engineering, as the case may be, with First Class at first attempt.
(ii)		The Second Prize to a regular student studying in the Pre-Final i.e. B.E. III (Mech.) of Four Year Degree course, at the Faculty of Technology and Engineering, M. S. University of Baroda and who has obtained the highest percentage of total aggregate marks in the I and II Semester Examinations of B.E. II (Mech.) of Four Year Degree Course taken together conducted by the M. S. University of Baroda or Faculty of Technology and Engineering, as the case may be, with First Class, at first attempt.
(iii)		The Third Prize to a regular student studying in the Final Year of Diploma Mechanical Engineering Course at the Polytechnic, M. S. University of Baroda and who has obtained the highest percentage of total aggregate marks in the I and II Semester Examinations of Second Year of Diploma Mechanical Engineering Course taken together conducted by the M. S. University of Baroda or Polytechnic as the case may be with First Class at first attempt.
(xiv)	Miss Savitri Pandit Prize Fund donated 5,000/-	For awarding a Prize in Cash to a regular student who has passed the M.Sc. (Home)

1	2	3
		by Miss Savitri Pandit, Retired Reader in Clothing and Textiles Faculty of Home Science, Baroda
		Final Degree Examination held by the M. S. University of Baroda in March/April, with specialization in Clothing and Textiles obtaining highest quality points in the category not less than 'A' Grade at the first attempt as communicated by the Dean of the Faculty and the Head of the Department of Clothing and Textiles.
(xv)	Rajbala Sharma 3,000/-	For awarding a Cash Prize to a regular student of Master's Degree in Child Development during the III Semester of her study and I Semester of academic year who has obtained a minimum 'B' Grade with not more than three credits of 'C' Grade in Major Courses.
		Memorial Prize in Child Development Fund donated through Prof. (Mrs.) Amita Verma, Head, Child Development Department, Faculty of Home Science
(xvi)	Susmita Patel 8,000/-	For awarding a Gold Medal at the Annual Convocation, to a lady student of the regular batch of the Medical College, Baroda who gets the highest percentage of marks of the final M.B.B.S. Examination held by the M. S. University of Baroda in October/November, at the first attempt, standing first among all the lady students who have appeared at the said examination in the same academic year.
		Memorial Gold Medal Fund donated by Shri K. S. Patel, Chartered Accountant, Baroda

## 8. Finances of the University

### (1) Capital Accounts:

Statements showing the income and expenditure of the (i) University General Fund, (ii) Ayurvedic Research Fund, (iii) Post-graduate Instruction and Research Fund, during the financial year 1979-80 are given in Appendix VIII.

### (2) Revenue Accounts:

The receipts and disbursements during the financial year 1979-80 were Rs. 3,68,65,283-52 and Rs. 3,80,28,175-40 respectively having a deficit of Rs. 11,62,891-88. Details of the Accounts are given in Appendix IX.



## (3) Grants :

The University received grants totalling Rs. 1,01,23,391-95 for development schemes from the University Grants Commission and the Government of Gujarat and for various research schemes, from the Central Ministries, State Government and outside agencies. The details are given in Appendix X.

## 9. Construction Division

## (1) Capital Works :

The Division supervised the works of various buildings, extension, additions and alterations and an amount of Rs. 17,96,233-16 was spent during the year on Capital Works.

## (2) Ordinary and Special Repairs :

The expenditure on ordinary repairs during the year was Rs. 2,84,062-05 and Special Repairs was Rs. 1,09,150-05.

## 10. Obituary

The University expresses its deep sense of sorrow at the sad and sudden demise of the following employees who died in harness :

Name	Designation
1. Professor M. B. Achwal	Head of the Department of Architecture.
2. Dr. J. E. Shah	Lecturer in Chemistry.
3. Shri Pareshbhai Sumantlal Shukla	Upadhyayapak in Shukla Yajurved Yagnaki.
4. Shri Bhasker Jethalal Joshi	Teaching Assistant in Jayotish-Sastra.
5. Shri A. M. Dadhe	Printer, Faculty of Technology.
6. Shri C. Y. More	Faculty Mistry, Technology and Engg.
7. Shri Ishwar B. Khatri	Cleaner in Applied Mechanic Department.
8. Shri Martandrao Bhonsle	Driver.
9. Shri Chiman Patel	Peon, Academic Section.
10. Shri Bhola Shanker Trivedi	Peon, S. P. Hall.
11. Shri C. B. More	Watchman, S. P. Hall.

## CHAPTER II—THE SYNDICATE AND THE SENATE

## 1. The Syndicate :

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

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

During the year, the Syndicate held 19 meetings at which 905 items were considered and resolutions passed on them. The following statement shows the attendance of the members at the Ordinary and Special meetings of the Syndicate during the year :

Sr. No.	Name	No. of meetings held	Class of meetings		Present
			O. = Ordinary	S. = Special	
1	2	3	4	5	
1.	Professor P. J. Madan, Vice-Chancellor	19	O. 11 S. 8	O. 10 S. 6	
2.	Professor S. M. Sethna, Pro-Vice-Chancellor	19	O. 11 S. 8	O. 11 S. 7	
3.	Director of Education and his nominee	19	O. 11 S. 8	O. 4 S. —	



1	2	3	4	5
4.	Professor H. P. Chokshi	19	O. 11 S. 8	O. 8 S. 4
5.	Shri N. D. Chokshi	19	O. 11 S. 8	O. 9 S. 8
6.	Dr. N. A. Dave	19	O. 11 S. 8	O. 11 S. 6
7.	Shri P. C. Hathi	19	O. 11 S. 8	O. 11 S. 7
8.	Shri S. B. Kulkarni	19	O. 11 S. 8	O. 11 S. 8
9.	Dr. C. P. Munshi	19	O. 11 S. 8	O. 11 S. 8
10.	Shri F. H. Palejwala	19	O. 11 S. 8	O. 9 S. 8
11.	Shri N. M. Pandya	19	O. 11 S. 8	O. 11 S. 6
12.	Shri D. K. Patel	19	O. 11 S. 8	O. 10 S. 8
13.	Dr. T. V. Patel	19	O. 11 S. 8	O. 7 S. 7
14.	Shri A. L. Redey	19	O. 11 S. 8	O. 11 S. 4
15.	Professor S. M. Sen	19	O. 11 S. 8	O. 11 S. 6

## 2. The Senate :

The Senate consisted of 97 members. The changes in the membership during the year were as under :

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

1. Dr. M. L. Dwivedi
2. Dr. V. B. Bhatt
3. Shri S. S. Shukla
4. Shri Navalbhai N. Shah
5. Shri Thakorbbhai M. Patel

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

1. Rajvaidya Shri Rasiklal J. Parikh
2. Dr. P. T. Acharya
3. Shri C. H. Rao

The Senate met twice during the year on 18th November, 1979 and 23rd March, 1980. Fifty members attended the meeting on 18th November, 1979 and fifty-six on 23rd March, 1980.

## Meeting of November 1979 :

Election of one member from amongst the members of the Faculty of Medicine was held. Three fellows were assigned to the Faculties. Replies to Questions and Supplementary Questions were given. Supplementary grant amounting to Rs. 45,400/- was sanctioned. Ordinances mentioned in Pamphlet No. 23 of Handbook Part II—1967 were considered and noted. The proposal for addition of new Statute 137-A was passed. The proposal to amend Statute 199 was passed. The proposal to amend Statute 209-A was referred back to the Syndicate for reconsideration. The Thirtieth Annual Administrative Report and Thirtieth Annual Accounts for the year 1978-79 were considered and the excess of expenditure over the revised estimates for the year 1978-79 was sanctioned.

The Report of the Board of Accounts for the year 1978-79 submitted to the Senate was noted. The proposal for institution of posts in the Faculty of Arts, Faculty of Commerce and Polytechnic was considered and passed. The proposal for institution of Medals, Prizes and Visiting Fellowships was passed.

## Meeting of March 1980 :

One fellow was assigned to the Faculty. Replies to Questions and Supplementary Questions were given. The Annual Financial Statement comprising the revised estimates for the year 1979-80 and the estimates for the year 1980-81 as set out in details were approved. Ordinances mentioned in Pamphlet No. 24 of Handbook Part II—1967 were considered and noted. The proposals for amendment of Statute 200 and Statute 209-A were considered and passed. The proposals for the institution of posts in the Faculty of Science, Faculty of Education and Psychology, and Faculty of Commerce, and redesignation of the post in the M. K. Amin Arts and Science College and College of Commerce, Padra, were considered and passed. The proposal for the institution of Medals, Scholarships and Prizes was passed.



### CHAPTER III—OTHER AUTHORITIES OF THE UNIVERSITY

#### 1. Council for Post-graduate Studies and Research :

The Council for Post-graduate Studies and Research met on 5th July, 1979 and 12th December, 1979. The following were the main items considered and recommended by the Council and approved subsequently by the Syndicate.

- (i) A Committee appointed with powers of the Council to consider and recommend directly to the Syndicate (a) Proposals for continuation of the various research schemes previously approved and (b) New Research Schemes for implementation.
- (ii) Panels of names of referees to examine theses of 81 students for the award of Ph.D. degree in different subjects.
- (iii) Recognition of 19 teachers as Post-graduate teachers for guiding students for Ph.D. degree in different subjects for various post-graduate courses including those in the Faculty of Medicine.
- (iv) Recommendation of a grant of Rs. 6,000/- for the year 1980-81 towards the Research work done by the Textile and Allied Industries Research Organisation, Baroda.
- (v) Recommendation of extension of time to 10 students and permission given to them to submit their theses late under provision of Ph.D. 4 (iii).
- (vi) Permission given to three teachers from the Faculty of Technology and Engineering to do Ph.D. independently and act as their own guide under O. Ph.D. 3 (ii).
- (vii) Permission given to Seventeen students from different Faculties for Ph.D. registration in related subjects under O. Ph.D. 1 (vii).
- (viii) Recommendation that Dr. J. N. S. Yadava (Scientist C) of the Department of Microbiology, Central Drug Research Institute, Lucknow, a recognised Research Centre of this University be recognised as University Post-graduate Teacher of this University for guiding Ph.D. students in the subject of Microbiology (Bacteriology and Virology) for the benefit of eligible students of this University or persons deputed by this University.
- (ix) Recommendation that Dr. V. P. Vaishnav, Director, Vaccine Institute recognised as a Post-graduate teacher for guiding Ph.D. students

in the subject of Microbiology (Medical) as recommended by the Dean, Medical College, Baroda in view of the fact that the Vaccine Institute is a recognised Research Centre as per S.R. No. 4(3)(i) dated 2-2-1974.

- (x) Recommendation that the proposal No. FS/4737 dated 30-3-1979, received from Professor S. S. Merh, Head of the Geology Department and the Dean, Faculty of Science, requesting to continue his Research Scheme entitled "Structural Studies in Kathmandu Neppe" and sanctioning an amount of Rs. 2,000/- from contingencies and field work including travelling and daily allowance for the current year i.e. from 1st April, 1979 to 31st March, 1980, which was approved last year as per S.R. No. 29(4)(B)(6) dated 28th January, 1978 but could not be utilised on account of certain special circumstances *be approved*.
- (xi) Recommendation that Kum. Parul A. Shah, who was registered on 1-8-1977 as a Ph.D. student in the subject of Dance (Bharat Natyam) under the guidance of Smt. Anjali S. Merh, be permitted as a special case, to continue her Ph.D. studies in Dance (B.N.) on her own i.e. independently till a suitable person competent to guide her is appointed.
- (xii) Recommendation that Smt. Parul Bhagirath Dave be permitted as a special case to be registered with effect from 6-4-1979 as a post-graduate student for the Ph.D. degree in the subject of Child Development under the guidance of Prof. (Smt.) Amita Verma, in view of the fact that she passed the Candidacy Examination on 22-12-1976, a pre-requisite, necessary before being finally registered as required under O. Ph.D. 2 (ii).
- (xiii) Recommendation that Smt. Prerana B. Mohite be permitted as a special case to be registered with effect from 24-3-1979 as a Post-graduate student for the Ph.D. degree in the subject of Child Development, under the guidance of Professor (Smt.) Amita Verma, in view of the fact that she has passed the Candidacy Examination on 5-5-1977, a pre-requisite necessary before being finally registered as required under O. Ph.D. 2 (ii).
- (xiv) Recommendation that persons who have passed B.A./B.Sc. (Hons.) Examination from any statutory University and who have afterwards been admitted to Master's degree by flux of time be considered eligible for being registered as Ph.D. students under O. Ph.D. 1 (vii) from the date of the Syndicate Resolution if they are otherwise eligible as per existing rules.



- (xv) Recommendation that Shri D. C. Master, a Post-graduate student be permitted to continue his Ph.D. studies in the subject of Anatomy as a special case as required by him, by doing his research work at the Medical College, Jamnagar, and paying frequent visits to Baroda to seek the guidance of his guide Dr. H. C. Srivastav at Baroda Medical College.
- (xvi) Recommendation that Dr. C. S. P. Iyer, Scientific Officer, Analytical Chemical Department, Bhabha Atomic Research Centre, Bombay-400085 be recognised as a Ph.D. guide in the subject of Chemistry as the Bhabha Atomic Energy Establishment, Trombay (Government of India), Bombay has been recognised as an Institution for Research for the Ph.D. degree in various groups of scientific subjects for eligible students of this University and persons deputed by the University as per S.R. No. 58 (6) dated 23-6-1964.
- (xvii) Recommendation that M.Sc. degree holders in any branch of Chemistry be admitted to Ph.D. degree course in Applied Chemistry and that every case should be referred for consideration to the Council of Post-graduate Studies and Research.
- (xviii) Recommendation that Shri Shah Narendrabhai Chimanlal whose request for exemption from paying tuition fees, as per Government rules as stated in the true copy of the letter No. 4494/33/50431/Q dated 26th October, 1951 from V. S. Mahajani, Dy. Secretary to the Govt. of Bombay, L.S.G.R.H. Department, Bombay Castle, sent by the Dean, Medical College, Baroda as per his letter No. PG/12381 dated 19-11-1979, and as he is a Government Officer, working as Assistant Professor at Medical College, Baroda, be not granted exemption from paying tuition fees and he be asked to pay the necessary fees as per University rules.

## 2. Faculties :

There are ten Faculties in the University. Their meetings were held during the year as shown below :—

Sr.No.	Name of the Faculty	Date of the meeting
(1)	Arts	17 -1-1980
(2)	Science	27-12-1979
(3)	Commerce	31-12-1979
(4)	Law	15-12-1979
(5)	Education and Psychology	28-12-1979
(6)	Medicine	24- 1-1980
(7)	Technology and Engineering	16- 1-1980
(8)	Fine Arts	15- 2-1979
(9)	Home Science	24- 1-1980
(10)	Social Work	29-12-1979

## (1) Faculty of Arts :—

- \*(i) Recommended that the existing paper prescribed for S.Y.B.A. (Major) and T.Y.B.A. (Major) for all subjects under the Faculty be renumbered serially as proposed.
- \*(ii) Recommended the draft of the certificate styled as "Veda Patra Pravin" to be awarded by the Baroda Sanskrit Mahavidyalaya to students passing the said examination successfully.
- \*(iii) Recommended that the existing courses in Arabic Language for F.Y.B.A. (Optional) and S.Y.B.A. (Minor) be continued for the year 1980-81 and the same be made effective progressively from the academic year 1980-81.
- \*(iv) Recommended that the students who hold B.A. or B.Sc. degree of a recognised University, and have been admitted to degree course of the Faculty of Fine Arts be given exemption in the language subjects of "English" and "Hindi", provided that they have studied and passed these subjects in First Year B.A. or First Year B.Sc., or S.Y.B.A. or S.Y.B. Sc., or B.A. or B.Sc. degree examination/s of this University or an examination recognised as equivalent thereto by this University.
- \*(v) Recommended that the Department of Hindi is not in a position to implement the recommendations regarding introduction of (i) Language-oriented Course in Hindi at M.A. level, (ii) The Course in Literature and (iii) One-year Diploma Course in certain defined areas forwarded by U.G.C. without prior sanction of the adequate additional staff.
- \*(vi) Recommended that the book "Iravati" submitted by Navbharat Prakashan, Educational Publishers, Patna be prescribed for S.Y.B.A. for 1981 examinations and onwards.
- \*(vii) Recommended that text-books in Hindi for various courses in Hindi be approved as proposed.
- \*(viii) Recommended that the details for the S.Y.B.A.—Paper III (Prose-Lalit Nibandh) in the subject of Gujarati be approved as proposed.
- \*(ix) Recommended that the details for M.A. Part II—Paper VIII (Linguistics and Aesthetics and Literature) be approved as proposed.
- \*(x) Recommended that the proposal of preparing text-books in English by the Department of English for the benefit of the students of the



Faculty of Home Science and Faculty of Fine Arts (including College of Indian Music, Dance and Dramatics).

- \*(xi) Recommended that text-books in various courses in English be approved as proposed.
- \*(xii) Recommended that all combinations permissible according to the recommendations of the Faculty be allowed at F.Y.B.A. course provided the Faculty Time-Table allows these combinations.
- \*(xiii) Recommended that the title of Paper III: Option 2—S.Y.B.A. (Major) in the subject of Political Science be changed from "Gujarat Government and Politics" to "State Government and Politics".
- \*(xiv) Recommended that since the Board has been constantly revising the Syllabi in the subject of Political Science for quite some time now, the syllabi in the subject of Political Science are quite compatible with the spirit of the recommendations as contained in the report on U.G.C. Workshops in Modernisation of Political Science Courses.
- \*(xv) Recommended that the changes regarding text-books in various courses in Marathi be approved as proposed.
- \*(xvi) Recommended that the existing courses for S.Y.B.A.—Economics Minor be revised and approved as proposed.
- \*(xvii) Recommended that the existing syllabus prescribed for the (i) Certificate and Diploma in Russian Language and (ii) the Advanced Russian and Technical Translation Course be revised and approved as proposed.
- \*(xviii) Recommended that the spirit of the recommendations as contained in the report on U.G.C. Workshops on Modernisation of Philosophy Courses is already reflected in the present courses in Philosophy and that will be kept in view while revising the courses in Philosophy from time to time in future too.
- \*(xix) Recommended that the syllabus for Diploma in Linguistics Course be re-modelled and approved as proposed.
- \*(xx) Recommended that the existing syllabi, books etc. for S.Y.B.A. Course in the subject of Mathematics be revised and approved as proposed by the Committee.
- \*(xxi) Recommended that the existing syllabi prescribed for F.Y.B.A., S.Y.B.A (Stream A, Stream B) in the subject of Statistics be revised and approved as proposed.

- \*(xxii) Recommended Common Frame Work, Ordinances governing provisions for minimum admission requirements, scheme of examinations, the standard of passing, award of classes, conduct of examinations etc., for the M.Phil. degree course for being implemented by the various Departments under the Faculty of Arts, subject to the condition that there will be no additional financial implications either recurring or non-recurring on the part of the University.
- \*(xxiii) Recommended that the existing Paper No. II of the optional groups of the F.Y.B.A. courses in all subjects be deleted and the same be made effective from April, 1980 examinations.
- \*(xxiv) Recommended that those students who have not studied any of the Modern Indian Languages taught in the Faculty of Arts, at the Higher Secondary Examination (XII Std.) of the Gujarat State or an examination recognised as equivalent thereto, be allowed to offer "Additional English" at F.Y.B.A. in lieu of Gujarati, Marathi or Urdu.
- \*(xxv) Recommended that those students who have not studied Hindi at all, or those who have passed in the subject of lower Hindi at the Higher Secondary Examination (XII Std.) of the Gujarat State, or an examination recognised as equivalent thereto, be allowed to offer "Lower Hindi" at F.Y.B.A. Course.
- \*(xxvi) Recommended the amendment of O. A. 8 governing the provision of grant of A.T.K.T. to F.Y.B.A. failed students under certain conditions.

*Note* :—The recommendation/s marked with \* are approved by the Syndicate.

## (2) Faculty of Science :—

- \*(i) Recommended that the existing titles of (a) theory paper IV for M.Sc. (Previous) and (b) theory paper III for M.Sc. (Final) and the existing details of syllabi prescribed therefor be revised and approved as proposed.
- \*(ii) Recommended that the existing details of syllabi prescribed for Paper I of T.Y.B.Sc. (Botany) be revised and approved as proposed.
- \*(iii) Recommended that the existing syllabi for F.Y.B.Sc. Principal and Subsidiary in the subject of Chemistry be revised and approved as proposed.



- \*(iv) Recommended certain appropriate qualifications in the various allied disciplines in order to carry out interdisciplinary teaching and research in the Department of Geology.
- \*(v) Recommended that the proposed change in the mode of marking at M.Sc. (Final) examination for Statistics be approved.
- \*(vi) Recommended that status quo be maintained in the matter of prescribing certain pre-requisite courses in some basic topics for being taken by a candidate within six months after Ph.D. registration.
- \*(vii) Recommended that steps be taken to encourage students to take part voluntarily in rendering Social Service in areas affected by natural calamities.
- \*(viii) Recommended that the use of Calculators in the various examinations under Faculty of Science be permitted except examinations in respect of Statistics.

- \*(ix) Recommended that the existing courses for F.Y.B.Sc. and S.Y.B.Sc. Economics subsidiary be revised and approved as proposed.

*Note :—*The recommendation/s marked with \* are approved by the Syndicate.

#### (3) Faculty of Commerce :—

- \*(i) Recommended that the details of Syllabi for the Paper II "Principles of Economics" of T.Y.B.Com., be revised and approved as proposed.
- \*(ii) Recommended that the existing Syllabi of the paper entitled "International Banking and Foreign Exchange Problems" of M.Com. Part II be revised and approved as proposed.
- \*(iii) Recommended that the existing syllabi prescribed for F.Y.B.Com., in the subject of Statistics be revised and approved as recommended by the Committee appointed by the Faculty.

*Note :—*The recommendations marked with \* are approved by the Syndicate.

#### (4) Faculty of Law :—

- \*(i) Recommended that the matter regarding conversion of existing morning and evening Law Colleges and Departments into whole time day Colleges and Departments be accepted in principle.
- \*(ii) Recommended that the provision in the matter of computing of Semester Results of LL.B. (Special) and LL.B. (General) as proposed

be approved with the additoin that proposed draft amendments of the relevant Ordinances be also approved.

- \*(iii) Recommended that the existing Semester System for LL.B. (General) and LL.B. (Special) degree courses be abolished progressively with effect from the academic year 1980-81 in order to restore the system of yearly examinations for the above courses, subject to the condition that the full-time LL.B. Degree Course when introduced by the Faculty of Law should be based on the semester system.
- \*(iv) Recommended that the provision contained in part 2 of O. S. L. 18 be deemed to have been discontinued with effect from 1980-81 with the modification that the changes made in nomenclature of various subjects when the semester system was introduced be incorporated in the Ordinances.

*Note :—*The recommendations marked with \* are approved by the Syndicate.

#### (5) Faculty of Education and Psychology :—

- \*(i) Recommended that the subject of Archaeology may be introduced in the B.Ed. course as and when it is introduced at the New S.S.C. level in the Gujarat State.
- \*(ii) Recommended that NCERT, New Delhi be informed that the Faculty has visualized the necessity of introducing topics according to Gandhian values and the said topics are already included in the B.Ed. syllabi of this University in 1977.
- \*(iii) Recommended that the Ordinances relating to the Bachelor of Education course be revised and approved as proposed.
- \*(iv) Recommended that the existing syllabi, course contents, scheme of examination etc. regarding the existing Professional Diploma Course in Educational Administration be revised and approved as proposed.
- \*(v) Recommended that the writing of the Dissertation at the M.Ed. course be made compulsory and O. M.Ed. 4 be amended as proposed.

*Note :—*The recommendations marked with \* are approved by the Syndicate.

#### (6) Faculty of Medicine :—

- \*(i) Recommended that the report of the committee appointed for scrutinizing the draft ordinances and draft syllabus of M.D. Psychiatry



be approved and the outlines of the subject of Psycho-pharmacology be included in the existing syllabus of M.D. Psychiatry course as proposed.

\*(ii) Recommended that the existing ordinance governing provision of admission requirements of various subjects of M.Sc. (Medical) degree course of the Faculty of Medicine be amended as proposed.

\*(iii) Recommended that the proposal of introduction of the subject of Pharmacology at the B.Physio. degree course be modified and approved as proposed.

*Note* :—The recommendations marked with \* are approved by the Syndicate.

(7) *Faculty of Technology and Engineering* :—

\*(i) Recommended that the existing scheme of examination in the subject of Fluid Mechanics at Second Semester of B.E. III (CME) be modified and approved as proposed.

\*(ii) Recommended that the existing Syllabus of Instrumentation at M.E. (Civil) in Environmental Engineering Part I be revised.

\*(iii) Recommended that the Syllabi for the subjects of (a) Construction Technology at II Semester of S.Y. Diploma (Civil), (b) Transportation Engineering at II Semester of Third Year Diploma (Civil) be revised and approved as proposed by the Committee.

\*(iv) Recommended that the existing scheme of teaching and examination of M.E. (Civil) in Water Resources Engineering be modified and approved as proposed.

\*(v) Recommended that the existing scheme of teaching and Examination of M.E. (Civil) in Geotechnical Engineering be modified and approved as proposed.

\*(vi) Recommended that the existing Elective subject of Advanced Soil Mechanics be replaced by a new Elective subject of Offshore Foundation at B.E. (Civil) IInd Semester Elective Group D as proposed.

\*(vii) Recommended that the Production Engineering Group (Elective Paper I—Tool Engineering, and Elective-Paper II—Production Planning and Control) be introduced at Second Semester of B.Arch. (Mechanical) Sandwich Course and the Syllabi for the above two

electives will remain the same as prescribed for the said subjects of Second Semester of B.E. V (Mechanical).

\*(viii) Recommended that the subject of Material Science be introduced in place of the subject of Metallurgy at the Second Semester of B.E. II (Mechanical) Part-time Degree course and the Syllabus of Material Science will be the same as that of B.E. II (CME, Ch., Met.) regular degree course.

\*(ix) Recommended that the Syllabi in the subject of Mechanical Engineering at Second Semester of Second Year Diploma in Textile Chemistry be approved as proposed.

\*(x) Recommended that the existing Scheme of working and examination in the B.E. IV Metallurgical Engineering in I and II Semesters be revised and approved as proposed.

\*(xi) Recommended that the revised syllabus of the paper entitled Industrial Administration and Factory Law for the B.Text. (Tech.) II Semester as recommended by the Committee appointed by the Board of Studies in Commerce including Business Administration be approved.

\*(xii) Recommended that the existing Scheme of Examination and teaching and the syllabi for B.Sc. D.T.C. one year course for students joining Final Year D.T.C. after passing B.Sc. examination be revised and approved as proposed.

\*(xiii) Recommended that the proposal to change the existing subjects in D.T.C. I be approved as proposed.

\*(xiv) Recommended that the Diploma holders who have passed their Diploma examination in Architecture from a Polytechnic in Gujarat State in First Class after undergoing 11 years old-S.S.C. be considered eligible for admission to the B.Arch. degree course under certain conditions to be laid down by the Committee appointed by the Faculty for the purpose.

\*(xv) Recommended that the proposed new 2-year Master's Degree Course in Housing to be introduced under the Department of Architecture of the Faculty be approved academically.

\*(xvi) Recommended that the proposed Common Draft Ordinances for all M.E. (Courses) including M.E. degree course in Petro-chemicals be approved as proposed.



- \*(xvii) Recommended that a course on Computational Techniques be introduced at the First Semester of B.E. IV (Met.) and the course content, teaching and examinations scheme be the same as that prescribed for B.E. IV (Electrical).
- \*(xviii) Recommended that the course on Met. Instrumentation of the I Semester of B.E. IV (Met.) be transferred to II Semester of B.E. IV (Met.).
- \*(xix) Recommended that the existing schemes for teaching and examinations for the B.E. (Electrical) and B.E. (Electronics) courses and details of syllabi prescribed therefor should be revised and approved as proposed.
- \*(xx) Recommended that the proposed syllabi for Industrial Electronics, I, II, III and IV be revised and approved as proposed.
- \*(xxi) Recommended that the existing subject of Electrotechnics I of II Semester of B.E. II (C.M.E.Ch., Met.) be shifted to the I Semester of B.E. III (M.E and Ch.).
- \*(xxii) Recommended that the existing subject of Elect. Engg. I (Now modified as Electrical Machines I) be shifted from I Semester of B.E. III (Electrical) to the II Semester of B.E. III (Electrical).
- \*(xxiii) Recommended that the existing subject of Electrotechnics II be shifted from I Semester B.E. III (Chem.) to the II Semester of B.E. III (Chem.).
- \*(xxiv) Recommended that the existing syllabus of the subject of Electrical Engineering and Electronics of the I Semester of B.E. III (Civil and Met.) be revised and approved as proposed.
- \*(xxv) Recommended that the teaching and examination scheme of B.Pharm. III and B.Pharm. IV (New Scheme) be approved as proposed.
- \*(xxvi) Recommended that the (i) First Year examinations and (ii) Second Year examinations of the Four Year degree courses in Engineering conducted by the various Universities in the Gujarat State be recognised as equivalent to the corresponding examinations of the 4-year degree course Engineering of this University for purposes of seeking admission to (i) Second Year of the 4-year degree course or Third year of the Five Year degree course and (ii) Third year of the Four Year degree course or Fourth Year of the Five Year degree course respectively on reciprocal basis, provided the students concerned are otherwise eligible for admission as per existing rules.

- \*(xxvii) Recommended that the proposed revised schemes of various examinations of the Faculty be approved and the same be implemented as suggested.
- \*(xxviii) Recommended to grant exemption from certain subjects to the students admitted to F.Y. Diploma (C.M.E., I.E. P.E.) courses on the basis of their having passed the Higher Secondary examination (Std. XII) of Gujarat State or an examination recognised as equivalent thereto.
- \*(xxix) Recommended that the proposal of the Dean of the Faculty of Technology and Engineering in the matter of admission of various Diploma holders of the M. S. University of Baroda to the full time degree courses of four years duration in the corresponding branch through the entrance test from June 1980 and other details therefor be approved.
- \*(xxx) Recommended that the provision of the minimum age requirement for admission to various Degree and Diploma courses of the Faculty and Polytechnic be deemed to have been deleted from the academic year 1980-81 and onwards.
- \*(xxxi) Recommended that the proposed scheme of giving credit by way of incentive to be given to students undertaking N.C.C. training during First two years of their studies be approved for being implemented in the Faculty (including Polytechnic) provided that they have attended the Annual Camps organized by the N.C.C. authorities.
- \*(xxxii) Recommended that 50% internal weightage be continued for all degree classes except for Pre-final and Final Year where 30% weightage is given.
- \*(xxxiii) Recommended that 50% internal weightage be given to I and II Year classes and 20% for Final Year of all Diploma Courses at the Faculty and the Polytechnic.
- \*(xxxiv) Recommended that weightage be given to the total performance of Final Year and Pre-Final Year examinations for award of the Final Class to be awarded to the students when they fulfill the requirements for the degree viz. B.E., B.Tech., B.Arch., B.Pharm., B.Text. (Engg.), B.Text. (Tech.), Post-B.Sc., B.E. (Electronics), Post-B.Sc., B.Sc. Tech. (Textile Chemistry), by the Syndicate in the matter.
- \*(xxxv) Recommended that the existing syllabi, schemes of teaching and examinations, A.T.K.T. provision etc. prescribed for the First Year



Diploma courses in Civil, Mechanical, Electrical Engineering be made applicable to the First Year Diploma course in Production Engineering as well as First Year Diploma course in Industrial Electronics.

\*(xxxvi) Recommended that the proposed revised scheme of teaching and examinations for the First Year Diploma courses in Civil, Mechanical, Electrical, Production Engineering and Industrial Electronics be approved subject to the condition that the First and Second Semester examinations of the First Year Diploma courses in Production Engineering and Industrial Electronics be conducted by the Polytechnic as at present and not by the University.

\*(xxxvii) Recommended that the existing syllabi schemes of teaching and examination for second and final year of diploma courses in Production Engineering and Industrial Electronics shall remain unchanged for all subjects except for the subjects of Mathematics III of Production Engineering and Mathematics III of Industrial Electronics as proposed by the Faculty.

\*(xxxviii) Recommended that the proposed ordinances, A.T.K.T. provision, conduct of examinations etc. for the various Diploma courses run at the Polytechnic be revised and approved as recommended by the Dean, Faculty of Technology and Engineering and the Principal, Polytechnic in the light of the discussions that took place in the Faculty meeting.

Note :—The recommendations marked with \* are approved by the Syndicate.

(8) *Faculty of Fine Arts :—*

\*(i) Recommended that the report of the Committee consisting of the Heads of the Departments concerned of the Faculty of Fine Arts in the matter of having Graphic Design as an optional subject in Painting and Sculpture at various level be approved as proposed.

\*(ii) Recommended certain modifications regarding Applied Arts courses as proposed by the Head, Department of Applied Arts.

(iii) Recommended that the provision of making internship compulsory for the benefit of M.A. (Fine) Museology students in some good Museums in India for a suitable period be approved in principle.

\*(iv) Recommended amendment of O.F. Museo. 1 governing the provision of admission requirements for M.A. (Fine) Museology degree course as proposed by the Faculty.

\*(v) Recommended that the existing facilities for teaching the prescribed syllabi, scheme of examination as approved by the competent authorities be continued.

Note :—The recommendations marked with \* are approved by the Syndicate.

(9) *Faculty of Home Science :—*

\*(i) Recommended that the minimum number of intake of students for being admitted to the M.Sc. (Home) Programme of the Department of Child Development be the average of last three years' intake and the same be implemented provided all the teaching posts of the Department are filled by the University and the same be reviewed from time to time.

\*(ii) Recommended that the Entrance test be held by the Department for purposes of regulating admissions to the M.Sc. (Home) Child Development Programme of the Faculty and details of the test be printed in the prescribed admission form and prospectus of the Faculty.

\*(iii) Recommended amendment of the provision governing the admission requirements for the M.Sc. (Home) Child Development.

\*(iv) Recommended that the existing outline of C.D. 332 course entitled Marriage and Family relationship of B.Sc. (Home) Programme be revised and approved as proposed.

\*(v) Recommended that details of syllabi, admission requirements, duration of the course, mode of evaluation, award of classes for the Undergraduate Diploma in Child Development be approved.

\*(vi) Recommended that the draft of the revised O.H.S. 1, O.H.S. 2 and O.H.S. 4 be approved as proposed.

\*(vii) Recommended that the existing nomenclature of M.Sc. (Home) Institutional Management and Dietetics (D.I. Mgt.) course be changed to M.Sc. (Home) —Dietetics (Diet.).

\*(viii) Recommended that the existing O.H.S. 13 I governing provision of admission requirements for M.Sc. (Home) Foods and Nutrition and M.Sc. (Home) Dietetics be amended as proposed.

\*(ix) Recommended that the provision of the requirement of under-going six months compulsory Internship for the award of M.Sc. (Home) Dietetics degree be introduced and the list of suitable institutions at



which the students will be required to do their internship be approved as proposed.

- \*(x) Recommended that the existing details of syllabi for certain courses of the B.Sc. (Home) Clothing and Textiles Programme be revised and approved as proposed.
- \*(xi) Recommended that the outlines of the courses entitled Ed. Ex. Communication in Non-formal Education of B.Sc. (Home)—Home Science Education and Extension Specialization Programme be approved as proposed.
- \*(xii) Recommended that the credits assigned to Ed. Ex. 654 course entitled Curriculum Development and Appraisal of M.Sc. (Home) Education and Extension Programme be increased to three (3) credits and the existing outlines of the said course be revised and approved as proposed.
- \*(xiii) Recommended that the credits of Ed. Ex. 658 (a) Seminar of M.Sc. (Home) Education and Extension Programme be reduced to Two (2) Credits.
- \*(xiv) Recommended that the non-credit compulsory course in Computer Science for Ph.D. candidates registered in the subject of Home Science Education and Extension Education be approved.
- \*(xv) Recommended that the Guide of M.Sc. (Home) students who are not on panel of examiners be invited by the Chairman of the Board to sit at the time of viva-voce examination of their own students only as observers and the said provision be made applicable to all departments under the Faculty of Home Science.
- \*(xvi) Recommended that the existing outline of H.M. 275—Time and Energy Management Course of B.Sc. (Home) Management Programme be revised and approved as proposed.
- \*(xvii) Recommended that the recommendation made by the Committee appointed by Faculty reg. (a) the core programme compulsory for graduation with a B.Sc. (Home) degree, (b) amendment of O.H.S. 10, O.H.S. 16, O.H.S. 19, O.H.S. 20, O.H.S. 22 and O.H.S. 23 be approved.

*Note* :—The recommendations marked with \* are approved by the Syndicate.

### (10) Faculty of Social Work :—

- (i) Recommended that status quo be maintained in the matter of medium of instruction till the medium of instruction is changed at the Under-graduate level in the University.
- (ii) Recommended that since the Faculty of Social Work in this University is an institution for post-graduate teaching and its students come from all parts of India. English be retained as medium of instruction in this University.
- (iii) Recommended that at least one University in the state should have English as medium of instruction. Since this University has English as its medium of instruction, right from its inception, English be continued as the medium of instruction in this University to retain its all-India character. Informal exchanges with the educationists of all branches from various Universities, in Gujarat and outside Gujarat.
- (iv) Recommended that as an advanced preparation to change-over to regional language as medium of instruction (if at all finally accepted), the preparation of book requires adequate facilities. To the best of our knowledge such facilities are not available at this University today.
- (v) Recommended that since the teaching material in the form of books, journals etc. even of Indian Origin is mainly available in English, and that too readily, the Faculty in its present form is not in a position to undertake additional work of producing teaching material in the regional language.

### 3. Boards of Studies :—

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

Sr.No.	Name of the Board	Date of the meeting
1	2	3
(1)	Sanskrit, Pali and Prakrit Languages and Literature.	10-9-1979
(2)	Persian, Urdu and other Asian Languages and Literature	10-9-1979
(3)	Hindi Language and Literature	15-9-1979
(4)	Gujarati Language and Literature	11-9-1979
(5)	Marathi Language and Literature	10-9-1979



1	2	3
(6)	English Language and Literature	25-9-1979
(7)	Modern and Ancient European Languages and Literature	11-9-1979
(8)	Sociology	14-9-1979
(9)	History, Archaeology and Ancient Indian Culture	29-9-1979
(10)	Philosophy	13-9-1979
(11)	Linguistics	29-9-1979
(12)	Library Science	14-9-1979
(13)	Political Science	17-9-1979
(14)	Economics	18-9-1979
(15)	Physics and Meteorology	24-9-1979
(16)	Botany	25-9-1979
(17)	Zoology	24-9-1979
(18)	Bio-Chemistry	26-9-1979
(19)	Microbiology	6-10-1979
(20)	Geology	27-9-1979
(21)	Mathematics	22-9-1979
(22)	Statistics and Actuarial Science	28-9-1979
(23)	Geography	28-9-1979
(24)	Education and Educational Administration	10-10-1979
(25)	Psychology	19-9-1979
(26)	Banking and Business Finance	20-9-1979
(27)	Accounts	21-9-1979
(28)	Commerce including Business Administration	21-9-1979
(29)	Cooperation	20-9-1979
(30)	Business Economics	20-9-1979
(31)	Anatomy and Physiology	8-10-1979
(32)	Pathological Science, Pharmacology and Forensic Medicine	3-10-1979
(33)	Medicine, Surgery, Mid-wifery etc.	4-10-1979
(34)	Physiotherapy	20-11-1979
(35)	Technology (Textile)	16-10-1979
(36)	Civil Engineering and Applied Mechanics	11-10-1979
(37)	Mechanical Engineering	12-10-1979
(38)	Metallurgical Engineering	12-10-1979
(39)	Electrical Engineering and Electronics	13-10-1979
(40)	Chemical Engineering	15-10-1979
(41)	Architecture	1-9-1979
(42)	Applied Chemistry	11-10-1979

1	2	3
(43)	Applied Physics	16-10-1979
(44)	Applied Mathematics	13-10-1979
(45)	Pharmacy	6-10-1979
(46)	Law	13-10-1979
(47)	Painting, Sculpture, Applied Arts, Art History and Graphic Arts	9-10-1979
(48)	Music, Dance and Dramatics	10-10-1979
(49)	Museology	9-10-1979
(50)	Child Development	5-10-1979
(51)	Foods and Nutrition	27-9-1979
(52)	Home Science Education and Extension	6-10-1979
(53)	Clothing and Textiles	8-10-1979
(54)	Home Management	8-10-1979
(55)	Social Work	8-10-1979

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



## CHAPTER IV—BOARDS AND COMMITTEES

### 1. University Board of Sports

Two meetings of the Board of Sports were held during the year. The Board recommended that (i) the University team should participate in various Inter-University Tournaments after selection of the teams by the Selection Committee, (ii) the payment of Rs. 20/- per player, Manager, Coach and Attendant be paid for the whole tournament as incidental charges for getting conveyance, portage etc., (iii) admission to various Faculties on the basis of merit in sports be restored from June, 1980.

### 2. Publications Board

One meeting of the Board was held during the year. It recommended and/or sanctioned grants for publication of the works viz. (i) two Journals of the Department of Zoology *Animal Morphology and Physiology* and *PAVO*, Ornithology for the year 1979-80, (ii) the work *Naraharini Gnyangita* in Prachin Gurjar Granthmala and *Vivechak* under Professor B. K. Thakore Publication Series, (iii) The work *Commerce of Cambay from the Earliest Period to the 19th Century*. It also recommended the publication of the following two works in the Gaekwad Oriental Series (a) *Gurjara-Rasavali*, (b) *Descriptive Bibliography* of the printed Text of *Pancharatragama*.

### 3. Library Committee

The Committee met on 22nd November, 1979 and carried out the routine business and considered the result of stock taking of the books and writing of missing books.

### 4. Standing Committee on Equivalence of Examinations

The Committee met on 5th July, 1979. It considered a number of items regarding equivalence of examinations. The decisions taken at its meeting are as under :—

- (i) The (a) B.Com. Part I, (b) B.Sc. Part I and Pre-medical examinations conducted by the Maharshi Dayanand University, Rohtak be recognised as equivalent to the (a) F.Y.B.Com. and (b) F.Y.B.Sc. examination of this University respectively on reciprocal basis for purposes of admission to available higher courses of studies in this University.

- (ii) The Certificate courses in French and German examinations conducted by the Maharshi Dayanand University, Rohtak, be recognised as equivalent to the Certificate courses in French and German examinations of this University on reciprocal basis for purposes of admission to available higher courses of studies in this University.

- (iii) The M.A. (Arts and Archaeology) Examination conducted by the Indira Kala Sangit Vishwa Vidyalaya, Khairagarh (M.P.) be recognised as equivalent to M.A. (in Indian History Culture and Archaeology Group A and B) of this University on reciprocal basis for purposes of admission to available higher courses of studies in this University.

- (iv) The Final Year Diploma examinations in Civil, Mechanical and Electrical Engineering conducted by the Board of Technical Education, Lucknow, U.P. be recognised as equivalent to the Final Year Diploma examinations in Civil, Mechanical and Electrical Engineering of this University on reciprocal basis for purposes of admission to available higher courses of studies in this University as per existing rules.

- (v) The Certificate courses as well as Diploma courses in German and Russian Examination conducted by the Kurukshetra University, Kurukshetra (Haryana) be recognised as equivalent to the corresponding Certificate courses as well as Diploma courses in German and Russian examinations of this University respectively on reciprocal basis for purposes of admission to available higher courses of studies in this University.

- (vi) The Final Year Diploma examinations in Civil, Mechanical and Electrical Engineering conducted by the various Technical Examination Boards of the different State Governments (other than Gujarat and Maharashtra State) in India be generally recognised as equivalent to the corresponding Final Year Diploma in Civil, Mechanical and Electrical Engineering examinations of this University for purposes of admission to available higher courses of studies in this University as per existing rules.

- (vii) The (a) First Year Diploma examinations in Civil, Mechanical and Electrical Engineering (i.e. First and Second Semester examinations taken together) and (b) Second Year Diploma examinations in Civil, Mechanical and Electrical Engineering (i.e. Third and Fourth Semester examinations taken together) examinations conducted by the respective Technical Examination Board in Gujarat



State as well as Maharashtra State be recognised as equivalent to the corresponding First Year and Second Year Diploma in Civil, Mechanical and Electrical Engineering examinations of this University respectively for the purposes of seeking admission to the Second Year and Third Year Diploma Classes in Civil, Mechanical and Electrical Engineering of Polytechnic of this University respectively, if they are otherwise eligible as per existing rules.

(viii) The Final Year Diploma examinations in Civil, Mechanical and Electrical Engineering conducted by the State Board of Technical Education and Training, Tamilnadu be recognised as equivalent to the corresponding Final Year Diploma examinations in Civil, Mechanical and Electrical Engineering of this University on reciprocal basis for purposes of admission to available higher courses of studies as per existing rules.

(ix) The Final Year Diploma courses in Mechanical Engineering (Sandwich Pattern) examination conducted by the State Board of Technical Education and Training, Tamilnadu be recognised as equivalent to the Final Year Diploma in Mechanical Engineering Examination of this University on reciprocal basis for purposes of admission to available higher courses of studies in this University as per existing rules.

(x) The National Form VI examination conducted by the National Examination Council, Tanzania be recognised as equivalent to the Higher Secondary Examination (XII Std.) of the Gujarat State, provided it is passed with at least five subjects including English and other required subjects with the required percentage of marks for purposes of admission to available higher courses of studies in this University, if they are otherwise eligible as per existing rules.

#### 5. Committee of Deans and Heads of Institutions

The Committee met on 4th September, 1979 to consider the Government Resolution regarding qualifications for appointment to the post of Professors and Readers in the Faculty of Arts, Social Sciences including Commerce and Science.

#### 6. Finance and Establishment Standing Committee

Eleven meetings of the Committee were held during the year. The Committee considered several items concerning requests for additional grants, purchase of equipment, approval of plans, estimates and tenders for construction

work, contract for various items and requests from the staff members regarding Study Leave etc. The recommendations of the Committee were placed before the Syndicate.

The Committee met as Budget Committee on 10th January, 1980. On scrutinizing various proposals received from Faculties, Institution and Offices of the University, it submitted to the Syndicate the revised estimates for the year 1979-80 and estimates for the year 1980-81.

#### 7. 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.

#### 8. Press Supervisory Committee

Eight meetings including a special meeting of the Committee were held during the year. They considered monthly reports of the Press Manager regarding the working of the Press, Stationery Unit, Publications and Sales Unit and also printing programme and made recommendations regarding purchase of paper, stationery, equipment etc.

#### 9. Wardens' Committee

Two meetings of the Committee were held during the year and recommended faculty-wise and hall-wise allocation of seats for students in the first and second terms of the academic year. It considered revising the rules of the Halls of Residence in respect of the resident students serving elsewhere and local students, and reports of the various Inter-Hostel Committees.

#### 10. National Service Scheme

One meeting of the Advisory Committee for National Service Scheme was held during the year. It approved the report of (i) the Special Camping Programme and (ii) General Activities of N.S.S. It recommended (i) the creation of N.S.S. Solace Fund for needy people in times of emergencies, to be called the Relief Fund of the Volunteers of National Service Scheme, (ii) the organisation of Inter-University Programme and introduction of certificate courses in training both for academic as well as practical exposure as a part of curriculum for camp organisation etc. for Special Programme.

#### 11. Selection Committee

During the period, 1-4-1979 to 31-3-1980, there were 51 meetings of the Selection Committee appointed under Section 48 (2) of the Act, and they recommended 55 Candidates for appointment to the posts of Professors and/or Readers



in various Faculties and Institutions of the University. There were 29 meetings of the Standing Selection Committee for Junior Posts, and 21 meetings of the Standing Selection Committee for Class III posts and they recommended 39 and 22 Candidates respectively for appointment to various posts in the University.

#### 12. M. S. University Students' Aid Fund Committee

The Committee met on 26th November, 1979. The total amount of help given to students by way of tuition fees, examination fees, drawing materials etc., during the year 1979-80 was Rs. 39,106/-.

#### 13. Board of Extra Mural Studies

The Board met on 7th September, 1979 and recommended a programme of extension lectures by the University teachers and outside experts. An amount of Rs. 9,650/- was sanctioned for this purpose.

#### 14. Advisory Committee for the University Health Centre

The Committee met on 9th July, 1979, and 13th December, 1979 for considering the appointment of Honorary Part-time Medical Officer and Honorary Gynaecologist etc. and for recommending the purchase of medicines, and other related matters.

#### 15. Students' Welfare Board

One meeting of the Students' Welfare Board was held on 29th December, 1979. It recommended that the M. S. University Union be requested to suggest ways and means of raising Students' Welfare Fund by organising various programmes.

#### 16. Board of Accounts

The Board met on 19-9-1979 and submitted its report on the accounts of the University for the year 1978-79 as required under Statute 105 to the Senate at its meeting held on 18th November, 1979. The Board again met on 8-3-1980 for consideration of the programme of Test Audit of University Accounts for the year 1979-80.

### CHAPTER V—RESEARCH IN THE UNIVERSITY

During the year under report 124 new students (29 in Faculty of Arts; 38 in Faculty of Science; 5 in Faculty of Commerce; 29 in Faculty of Education and Psychology; 8 in Faculty of Home Science; 2 in Faculty of Medicine; 5 in Faculty of Technology and Engineering; 1 in Faculty of Law; 6 in Faculty of Fine Arts (including Music College); 1 in Faculty of Social Work) were registered for the Ph.D. Degree.

During the year 1979-80, the number of old students actively pursuing the Ph.D. research work in various Faculties was as under :

Sr.No.	Faculty	Number
(1)	Faculty of Arts	119
(2)	Faculty of Science	82
(3)	Faculty of Commerce	13
(4)	Faculty of Education and Psychology	136
(5)	Faculty of Home Science	20
(6)	Faculty of Medicine	20
(7)	Faculty of Technology and Engineering	39
(8)	Faculty of Law	10
(9)	Faculty of Fine Arts (including Music College)	23
(10)	Faculty of Social Work	6
Total :		468

#### 2. Research Schemes Financed by the University :

Sr. No.	Name of the Teacher/s	Research Scheme
<b>Faculty of Arts</b>		
(1)	Dr. Bansidhar Sharma	Swatantryottar Hindi Upanyaso mai Abhivyakta Samasic Sansmriti.
(2)	Dr. (Kum.) Premlata R. Bafna	An Aesthetic Study of Modern Hindi Poetry from 1900 to 1940 A.D.



Sr. No.	Name of the Teacher/s	Research Scheme
(3)	Dr. Madan Gopal Gupta	Samkranti Yugin Hindi Kavita 1300 A.D. to 1450 A.D.
(4)	Dr. Rajendra Mishra	New Movements in Hindi Poetry
(5)	Shri Talati Ramanlal N.	Rastriya Jagaran Ki Prushthbhumi me Sohanlal Dvivedi Ka Kavya.
(6)	Dr. (Mrs.) Ranu Vanikar	"Text-Book materials and teaching aids for First Year Compulsory English in the Faculties of Home Science and Fine Arts"—The New Materials propose a communicative approach to English language teaching.

#### Faculty of Science

(7)	Dr. Amrish Shah	Transformation of Xanthates and related compounds.
(8)	Dr. S. J. Bedi	Ecology of Plants growing in the vicinity of the mineralized zones (copper-zinc-lead Deposition) Near Ambaji, (North Gujarat) with a view to fix their indication values for mineral prospecting.
(9)	Dr. R. P. Bhatt	A structure and behaviour of chromosomes as an aid to the study of Phylogen and affinities of selected angiospermic Texa.
(10)	Dr. H. S. Desai	Scattering of slow electrons by Molecules
(11)	Shri S. R. Pandya	Calculation of finding energies of an election in static screened coulomb potential.
(12)	(i) Shri J. P. Vyas and (ii) Smt. Vimla Rangaswamy	Dediapada Taluka—A Study of a Tribal area
(13)	Shri D. M. Shringarpure	Biostratigraphical and Palaeoecological investigation of the 'Neogene' Sedimentary Rocks of Kutch.

#### Faculty of Commerce

(14)	Dr. C. S. Rathod	A study of professional management in Urban Cooperative Banks in Baroda City.
(15)	Shri Dilip R. Shah	Dairying—An Instrument of Economic Change for the Weaker Sections in Tribal areas of Baroda District.

Sr. No.	Name of the Teacher/s	Research Scheme
<b>Faculty of Technology and Engineering</b>		
(16)	Dr. J. M. Lohar	Synthesis of New Masogers and Study of their Characteristics.
(17)	Dr. J. R. Pandya	Optical Study of Plastic Deformation of Ionic Crystals.
(18)	(i) Dr. V. S. Thattey and (ii) Shri R. H. Shah	Behaviour of Reinforced Cement Concrete Single Bay Single Storey Hinged Frame.
(19)	Dr. Arvind V. Shroff	Viscosity and strength behaviour of Newtonian grouts.
(20)	Shri Krishna Kumar Rambilas Biyani	Mode of failure of concrete with study of rock inclusions.
(21)	Dr. Y. K. Agrawal	Analysis of some Medicinal Plants.
(22)	Dr. Subash Chand Patodi	Development of a Sector element for Geometric nonlinear analysis.
(23)	Dr. Piyush V. Parikh	Floods, Cyclones and Earthquakes.
(24)	Shri M. C. Gandhi	Investigation of Seismic Rock Movements by Slip Stick Phenomenon.
(25)	Shri D. K. Basa	The Morphology and Crystallography of Unidirectionally solidified Eutectic Alloys.
<b>Faculty of Home Science</b>		
(26)	Dr. (Smt.) Yogini Pathak	Anthropometric Measurements of Children in Gujarat of the group birth to 18 years.
<b>Faculty of Fine Arts</b>		
(27)	Dr. Ratan Parimoo	Styles of Temples Sculpture in Western India (North Gujarat, Saurashtra, Kutch, South Rajasthan)—A Study in Medievalization and Regionalization.
(28)	Shri Mandey Pratap Yadavrao	Survey of significant contributions of last 15 years of different advertising campaigns through various advertising agencies in India.

#### College of Indian Music, Dance and Dramatics

(29)	Professor C. C. Mehta	Bibliography of Drama
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Sr. No.	Name of the Teacher/s	Research Scheme
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Shri M. K. Amin Arts and Science College and College of Commerce, Padra.

(30) Shri R. G. Sharma Nirgun Evam Sagun Bhakti Ke Srot Swarup Aur Siddhantaun Ka Tulnatmak Adhyayan.

The Textile and Allied Industries Research Organisation

(31) Shri B. B. Joshi TAIRO Bobbin Machine—Designed by TAIRO—A Prototype is to be made from Drawing.

### 3. Research Schemes sponsored by Outside Agencies :

The following schemes in progress have been sponsored by the University Grants Commission, Ministries of the Central Government, Departments of Government of Gujarat and other Agencies :

Sr. No.	Name of the Teacher/s	Title	Name of the Financing Agency
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1	2	3	4
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#### Faculty of Arts

(1) Professor P. J. Madan, Chief Planners, Block Development Plan for Government of Gujarat

Prof. V. N. Kothari, Jt. Chief Planner, and Members of the Project Team from other Departments

(2) Prof. V. N. Kothari The Indicators of Educational Progress in India ICSSR

(3) Prof. P. J. Madan, Chief Planner, Block Development Plan for Government of Gujarat

Prof. S. R. Hashim, Jt. Chief Planner, Members of the Project Teachers

from other Departments.

Sr. No.	Name of the Teacher/s	Title	Name of the Financing Agency
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#### Faculty of Science

(4) Prof. C. V. Ramkrishnan (i) Nutritional and Physiological studies on soya-bean hemmaglutamine to provide information basic to increasing the utilisation of soyabeans in food and food products USDA

(ii) Studies on Kwashiorkar and Marasmus children in Trivendrum and Madurai UGC

(iii) Studies on Indian Fermented Foods UGC

(5) Dr. L. J. Parekh Studies on Metabolism of Organic Acids and Their Relation to Quality in Citrus Fruits USDA

(6) Dr. S. K. Srivastava (i) Role of Polyamines in the Development and Maturation of Seeds and Fruits and Germination of Seeds ICAR

(ii) Studies on Polyamines and Phytate in relation to their use in seed physiology UGC

(7) Dr. S. D. Bhandari Studies on the effects of Nutritional and Physiological stress on phosphoinositide metabolism in rat intestine UGC

(8) Prof. C. H. Pathak Correlation between the photosynthetic efficiency of C<sub>3</sub> and C<sub>4</sub> plants under adverse condition UGC

(9) Prof. A. R. Mehta Physiological and Biochemical studies with differentiation in higher plants UGC

(10) Dr. P. K. Bhattacharya Charge transfer interaction in mixed ligand complexes CSIR



Sr. No.	Title	Name of the Financing Agency
(11) Prof. (Smt.) V. A. Janaki	(i) The Commerce of Broach upto the 19th Century (ii) Regional approach to the Rural Settlement studies (Area : Jabugam-Sankheda-Naswadi) (iii) Urbanisation in South Gujarat	UGC UGC UGC
(12) Prof. S. S. Merh	(i) Geological investigations of the quarternary terrians of Gujarat with special reference to their Geomorphology and Geochronology (ii) Geoenvironmental controls of Industrial Pollution around Baroda	UGC Department of Science and Technology
(13) Dr. D. R. Gadekar	Analysis of Satellite imagery of Gujarat with special reference to sedimentology, geomorphology and Hydrology	ISRO India
(14) Shri M. M. Gandotra and Shri Narayan Das	Inter-relationship of Infant and Child Mortality with Fertility	Ford Foundation Rockefeller Foundation Project PRL 480
(15) Prof. R. V. Shah	Wound healing and Regeneration — an Ultrastructural and Histophysiological study	UGC
(16) Shri Thomas Varughese	Histology, Histo-chemistry and Physiology of Certain Vertebrate tissue	UGC
(17) Miss Smriti Iyengar	Studies on the relationship of posthatching development of brain with the duration of nestling period in altricial birds	UGC

Sr. No.	Title	Name of the Financing Agency
(18) Miss Charumitra D. Patel	Histophysiology and Histo-chemistry of certain vertebrates	UGC
(19) Shri N. D. Patel	Effect of polution and some pesticides on the fresh water fishes of river Vishwamitri and some lakes	UGC
(20) Shri M. S. Swamy	Studies on Reptelian Regeneration	UGC
(21) Miss D. M. Vyas	A histophysiological study of preputial gland a sebaceous	ICMR
(22) Miss N. F. Gangaramani	Effect of castration and replacement therapy on metabolism of hepatic tissue of albino rats.	CSIR
(23) Miss Urmila M. Joshi	Some Physiological Studies on some fishes	UGC
(24) Miss Eappen Valsamma	Studies on lacertilian regeneration	UGC
(25) Shri Patel H. R.	Study of certain aspects of neural and hormonal control of functions of preputial gland of rats	UGC
<b>Faculty of Technology and Engineering</b>		
(26) Shri S. K. Dutta and Shri N. S. Murti	Pelletization of Alumina finnes	Indian Aluminium Co., Calcutta
(27) Shri Chetan Buch, Shri S. K. Agrawal and Shri V. L. Gadgeel	Grain Refinement of Aluminium	Indian Aluminium, Co., Calcutta
(28) Dr. R. A. Vora	Studies in Thermotropic liquid crystals	C.S.I.R.
<b>Faculty of Home Science</b>		
(29) Prof. (Mrs.) Amita Verma	School Readiness for children in Grade I of Municipal Corporation School in Baroda	Baroda Municipal Corporation



Sr. No.	Title	Name of the Financing Agency
(30)	Prof. (Mrs.) Amita Verma and Dr. (Miss) T. S. Saraswathi The Child Development Curriculum and its relevance to Job competence expected in the field	ICSSR
(31)	Dr. (Mrs.) Atula Derasari To study difference if any in the scores of Bailey scale of Infant Development when one or more indigenous materials are substituted	UGC
(32)	Miss Kiran Parekh and Mrs. Nirmala Misra A study of cognitive and social abilities of children in Multiage group	UGC
(33)	Professor Tara Gopaldas Comparative study of strategies adopted in selected projects/ programs for the integrated delivery of health-nutritional services to the young child (0-3)	UNION of Social Welfare
(34)	Training Research in Job Functions for the Supervisors of the S.N.P. Baroda Phase II	UNICEF
(35)	Lipids, proteins and Glucose status in experimentally induced and treated liver amoebiasis in hamsters	UGC
Faculty of Commerce		
(36)	Dr. K. R. Shah In Inquiry into Equity Issues involved in the Government Financing of Higher Education In India—A Study of M. S. University of Baroda	ICSSR

Sr. No.	Title	Name of the Financing Agency
(37)	Prof. M. D. Sharma (i) Study of the Factors relating to Unit Sickness—in the Small Scale Industry Sector and monitoring system necessary in the Banks for prevention of sickness (ii) Savings pattern of Individuals references and motivators (with particulars referred to Bank Deposits)	UGC
Faculty of Fine Arts		
(38)	Shri G. M. Shekh Modern Indian Painting	UGC
Faculty of Medicine		
(39)	Dr. P. T. Acharya The Biochemical changes occurring in the amniotic fluid during different gestation periods	UGC
(40)	Dr. O. D. Gulati Synthesis and Pharmacology of Fusaric acid analogues	CSIR
(41)	Dr. (Smt.) K. G. Hemavathi Investigations of autonomic effects of Tetramisole	Government of Gujarat



## CHAPTER VI—VISITING LECTURERS

The following lectures were delivered under 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 Teacher or National Lecturership

Sr.No.	Name of the Lecturer	Date/s	Subject/s
<b>Faculty of Arts</b>			
(1)	Shri R. K. Kothi, Tata Economic Consultancy Services, Bombay	13th & 14th March, 1980	( i ) Cost-Benefit Analysis. ( ii ) Project Appraisal. ( iii ) Demand Projections. ( iv ) Capacity Utilization.
(2)	Prof. D. U. Sastry, Institute of Economic Growth, Delhi	26th to 29th February, 1980	Four lectures on Cotton Textile Industry, Demand Capacity Utilization, Investment and Production.
<b>Faculty of Science</b>			
(1)	Mr. B. V. Suryakumar, Manager, Information Services, Operations Research Group, Baroda	13th & 14th September, 1979	( i ) Applications of Computers. ( ii ) Computer Management.
(2)	Dr. Vij, Mathematician, Jyoti Ltd., Baroda	17th & 18th September, 1979	Computer Aided Design in Engineering.

### (B) Lectures under Extra Mural Grant or Other Scheme

<b>Faculty of Arts</b>			
(1)	Dr. P. B. Patel, Sardar Patel Institute of Economic Research, Ahmedabad	23rd January, 1980	Slum Dwellers in Ahmedabad.
(2)	Prof. A. G. Stock	12th & 13th March, 1980	HAMLET "The Poets of the 30's". Bhasa.
(3)	Prof. S. A. Upadhyaya	16th January, 1980	
(4)	Dr. C. L. Shastri	16th January, 1980	Kalidasa.

Sr.No.	Name of the Lecturer	Date/s	Subject/s
<b>Faculty of Science</b>			
(1)	Prof. D. Banerjee, Calcutta	29th August, 1979	The mechanism of isomerisation and recemisation of metal complexes.
(2)	Shri S. K. Nandi, O.R.G., Baroda	3rd September, 1979	Introduction to computers.
		4th September, 1979	Computer Hardwork.
(3)	Shri Rohit Mehta	21st November, 1979	Science and Spirituality.
(4)	Prof. A. K. Shah	15th December, 1979	Singbhum Geology.
(5)	Shri V. J. Amin, Alembic, Baroda	12th December, 1979	Scale-up.
		18th December, 1979	Aeration and agitation.
(6)	Dr. V. Ramakrishnan, Yale University, U.S.A.	5th January, 1980	Neutron Scattering of Ribosome Structure.
(7)	Dr. A. J. Mehta, Florida University, U.S.A.	18th January, 1980	Fine Sediment Transport in Estuary.

### Faculty of Technology and Engineering

(1)	Dr. B. D. Tilak, Ex. Director, National Chemical Laboratories, Pune	15th January, 1980	Recent contributions to the Chemistry of Synthetic Dyes.
(2)	Dr. S. J. Patel, Sr. Engineer, I.P.C.L., Baroda	12th, 16th & 19th January, 1980	Optimization.
(3)	Dr. P. K. Grover, Associate Director, Sarabhai Research Centre, Baroda	10th March, 1980	Recent trends in drug design.



Sr.No.	Name of the Lecturer	Date/s	Subject/s
(4)	Shri C. D. Thatte, Director, Engineering Research Institute, Baroda	17th March, 1980	Foundation Problem of Irriga- tion Projects with special reference to Gujarat State.
(5)	Shri C. J. Shah, City Engineer, Baroda Municipal Corporation, Baroda	20th March, 1980	Water Supply and Treatment System of Baroda.
		25th March, 1980	Waste Water Treatment of Baroda.
(6)	Shri S. K. Gandhi, Director, Rinki Industries Oils Ltd.	20th March, 1980	Industrial Oils.
(7)	Dr. S. Sivaram, Research Centre, I.P.C.L., Baroda	21st March, 1980	Production of Thermoplastics.
(8)	Dr. Anand Halgeri, Research Centre, I.P.C.L., Baroda	22nd March, 1980	Molecular Sieve Catalysis.

#### Faculty of Home Science

(1)	Justice (Smt.) Sujata Manohar, Bombay High Court	8th December, 1979	Legislation Concerning Children
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#### Faculty of Commerce

(1)	Dr. S. M. Shah	20th September, 1979	'Anthoyodaya' movement in India.
(2)	Prof. B. S. R. Rao, Professor of Finance, Gokhale Institute of Economics and Politics, Pune	4th January, 1980	Security and Portfolio Analysis.
(3)	Shri Chandrakant Patel, Chief Economics and Statistics Division, International Monetary Fund	5th January, 1980	Statistical Activities of Inter- national Monetary Fund.

Sr.No.	Name of the Lecturer	Date/s	Subject/s
(4)	Prof. V. H. Joshi Professor and Head, Department of Economics, Saurashtra University, Rajkot	19th January, 1980	Shifts in Development Stratages under five year plans.
(5)	Prof. Mukund S. Trivedi Sardar Patel Institute of Economics	22nd January, 1980	Monetary Management in a Developing Country.
(6)	Prof. G. S. Gupta, Professor, Economics, Indian Institute of Management, Ahmedabad	25th January, 1980	Investment Planning.
(7)	Shri G. O. Parikh Manager, Gujarat State Cooperarive Bank Ltd., Ahmedabad	1st February, 1980	Role and Performance of Co- operative Credit in Small Farmers Adoption of new Agricultural Technology.
(8)	Dr. Madhav Kackar, Director, B. K. School of Business Management, Gujarat University, Ahmedabad	5th February, 1980	Relevance of Marketing to Planned Economic Growth.
(9)	Prof. D. U. Shastri, Institute of Economic Growth, Delhi	1st March, 1980	Some aspects of Industrial Development in India since Independence.

#### Faculty of Fine Arts

(1)	Shri Nanjunda Rao	24th November, 1979	Traditional Paintings of Karnataka Style.
(2)	Shri Bhupen Khakhar	27th February, 1980	Slides show of work and talk on experiences of his visit to England.
(3)	Shri Nagji Patel	28th February, 1980	Slides show of work and experiences of participation in an International Sculpture Symposium in Yugoslavia.



Sr.No	Name of the Lecturer	Date/s	Subject/s
<b>Faculty of Medicine</b>			
(1)	Dr. N. L. Bordia	10th December, 1979	National Tuberculosis Control Programme.
(2)	Dr. R. D. Ganatra	4th February, 1980	Images, Echos and Shadows (Isotopes in Medicine).

(C) Lectures delivered on the premises of the Institution by  
Lecturers invited by the Institution concerned

<b>Faculty of Arts</b>			
(1)	Professor R. Radhakrishna, Sardar Patel Institute of Economic Research, Ahmedabad	25th to 28th February and 15th to 16th March, 1980	16 Lectures on Planning Models and Demand Systems.
(2)	Professor S. K. Goyal, Indian Institute of Public Administration, New Delhi	21st August, 1979	Concentration of Economic Power in India.
(3)	Professor K. N. Reddy, National Institute of Public Finance and Policy, New Delhi	14th to 21st December, 1979	16 Lectures on Indian Tax System.
(4)	Professor B. S. R. Rao, Gokhale Institute of Economics and Politics, Poona	31st December, 1979 to 5th January, 1980	12 Lectures on Industrial Finance.
(5)	Prof. K. K. Dasgupta, Gokhale Institute of Economics and Politics, Poona	21st to 23rd January, 1980	6 Lectures on Economics and History of Socialism.
(6)	Dr. Atul Sarma, Sardar Patel Institute of Economic and Social Research, Ahmedabad	28th January to 1st February, 1980	10 Lectures on Public Finance.
(7)	Prof. V. Y. Kantak	25th September, 1979	"Appreciating Poetry".

Sr.No.	Name of the Lecturer	Date/s	Subjects
(8)	Prof. Malcolm Bosse	15th October, 1979	"Lawrence's Criticism".
		16th October, 1979	"Recent American Fiction".
(9)	Prof. E. Rodrigues	13th December, 1979	"Saul Bellow".
		13th December, 1979	"Herzog".
(10)	Dr. Donald Goodyear	17th December, 1979	American Drama Metaphor in Fiction.
(11)	Prof. Tony Connor	16th January, 1980	Poetry Reading.
(12)	Prof. Malagi	18th January, 1980	Invocation in Dante and Milton.

#### Faculty of Science

(1)	Prof. C. C. Patel, Bangalore	5th October, 1979	Reaction of B-diketones of transition meta lions.
(2)	Dr. Y. A. Shaikh, North Ville Laboratories, Michigan, U.S.A.	7th October, 1979	Synthesis of Mitomycin-C Analogues as Antitumour Antibiotics.

#### Faculty of Home Science

(1)	Dr. S. M. Shah, Joint Secretary, PEO Planning Commission, New Delhi	29th June, 1979	Creating Mother Child Institute.
(2)	Prof. R. A. Khatri	11th September, 1979	Seminar on Family Studies.

#### Faculty of Fine Arts

(1)	Shri Shyam Varma and Mrs. Beatrice Verma	21st & 22nd January, 1980	Design and Illustration and The Modern European Arts Movements and their influence on Graphic Design".
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Sr.No.	Name of the Leciure	Datels	Subjects
(2)	Prof. Christopher Conford	28th, 29th and 30th January, 1980	Art and Design Education.
(3)	Shri Khodidas Parmar	1st and 2nd February, 1980	Folk Art of Saurashtra.
(4)	Prof. Paritosh Sen	15th and 16th February, 1980	His Own Creative Work.
Faculty of Law			
(1)	Dr. V. D. Kulshreshta, Research Professor, Indian Law Institute, New Delhi	9th and 10th February, 1980	Company Law.
(2)	Shri Dwijenbhai, Secretary, Gujarat Vidhan Sabha	14th March, 1980	Parliamentary Procedure.

## CHAPTER VII—FACULTY OF ARTS

### 1. Courses of Studies

- (a) The Courses of Studies remained the same as in the previous year :
- (b) New courses started :
- (i) Beginning from June, 1979 academic year, new courses in Economics are being progressively introduced, starting from F.Y.B.A.
- (ii) Restructured B.A. and M.A. courses in English :
- (1) Compulsory English conforming to the National Syllabus.
- (2) Optional English at F.Y.B.A.
- (iii) Diploma in French Language Courses is started from 1979-80.
- (iv) Gujarati Department introduced the following :
- (1) Restructured Optional Gujarati at F.Y.B.A.
- (2) M.A.P. I : Paper III (B) Philosophy and Literature  
Paper IV (B) Historical Evolution of Concepts;  
Critical Study of a Poem, Comprehension,  
Translation.
- (v) Language learning courses in Hindi started at F.Y.B.A. Class (Compulsory Hindi). It is planned in such a way that a student after completion of 3 Years Degree Course in Hindi will be able to do administrative correspondence in Hindi
- (vi) A post-graduate diploma in Linguistic Course is started from 1979-80
- (c) Additional facilities of new optionals, groups etc. are provided in the existing courses:
- (i) Department of English offered 4 Options at M.A.:
- (1) Modern English Literature
- (2) American Literature
- (3) Commonwealth Literature
- (4) English Language Teaching
- (ii) Department of Geography started the following new papers at F.Y.B.A. and S.Y.B.Sc. (Subs.) during the year 1979-80:

F.Y.B.A. :

Paper I—Physical Geography

Paper II—World Resources



S.Y.B.Sc. ( Subs. ) :

Paper I—Principles of Economic Geography

Paper II—India

Paper III—Practical Geography

New Syllabi for S.Y.B.A. and T.Y.B.A., B.Sc. will be effected progressively from the year 1980-81.

(iii) Retaining the conventional papers III and IV as III (a) and IV (a), the Department of Gujarati introduced, III (b) and IV (b), as their optionals, in M.A. Part I. Also papers VII (b) Linguistics and Literature and VIII (b) Aesthetics and Literature were introduced at M.A. Part II.

## 2. Number of Students

The number of students enrolled in various classes during the year 1979-80 was as under :

Class	Men	Women	Total
(1) Certificate Course in German	257	32	289
(2) Certificate Course in Russian	19	6	25
(3) Certificate Course in French	99	52	151
Total :	375	90	465
(4) Diploma in Russian	3	—	3
(5) Advance Course in Russian	1	1	2
(6) Diploma in German	25	9	34
(7) Diploma in French	13	8	21
(8) Advance Course in German	7	9	16
Total :	49	27	76
(9) F.Y.B.A.	348	330	678
(10) S.Y.B.A.	277	243	520
(11) T.Y.B.A.	530	317	847
(12) Library Science	9	27	36
Total :	1164	917	2081
(13) M.A. Part I	140	99	239
(14) M.A. Part II	113	67	180
(15) Post-graduate Diploma in Linguistics	1	3	4
(16) Ph.D.	13	7	20
Total :	267	176	443
Grand Total	1855	1210	3065

## 3. Staff

(a) Present Position :

During the year the staff consisted of 12 Professors, 20 Readers, 65 Lecturers, 19 Class III Staff including Technicians and 25 Class IV Employees.

(b) New Appointments :

- (1) Smt. L. A. Rede, Lecturer in Economics
- (2) Kum. Arti Merh, Lecturer in Economics
- (3) Dr. G. D. Sharma, Reader in History
- (4) Smt. Indira Saxena, Lecturer in History
- (5) Shri K. S. Mathew, Lecturer in History
- (6) Shri Ravindra Kumar, Lecturer in History
- (7) Smt. Geeta Bajpai, Lecturer in History
- (8) Dr. (Kum.) B. R. Dalal, Lecturer in Gujarati
- (9) Smt. S. N. Pandya, Lecturer in Gujarati
- (10) Dr. R. L. Shukla, Lecturer in Hindi
- (11) Shri Udaysing Narayan, Lecturer in Linguistics
- (12) Dr. V. G. Nanderkar, Reader in Political Science
- (13) Shri N. Rajaram, Lecturer in Sociology
- (14) Shri M.F.Y. Salat, Lecturer in English

(c) Teachers upgraded to Higher Position :

Shri N. M. Pandya, Reader in Economics

(d) Teachers who left :

- |       |                           |                         |          |
|-------|---------------------------|-------------------------|----------|
| (i)   | Mrs. Rina Mukhopadhyay,   | Lecturer in English     | Resigned |
| (ii)  | Prof. A. G. Javadekar,    | Professor of Philosophy | Retired  |
| (iii) | Prof. K. C. Panchandikar, | Professor of Sociology  | Retired  |
| (iv)  | Dr. M. J. Mehta,          | Reader in History       | Resigned |

## 4. Professional Growth of the Staff

(a) Published Articles/Papers :

Sr. No.	Name of the Teacher	Title	Name of the Journal wherein published with month of publication
<i>Economics</i>			
(1)	Professor S. R. Hashim	Quantification of Gains in Manufacturing Imports	Papers in Regional Science 10, ed. M. J. Breheny,
	(jointly with Prof. P. N. Mathur)	of Interretional among Developing countries	1979, PION, London



Sr. No.	Name of the Teacher	Title	Name of the Journal wherein published with month of publication
(2)	Professor S. R. Hashim	Input and Output Structure of Small Scale Industries	Artha Vikas, Vol. XV, No. 1, January-June, 1979
<i>English</i>			
(3)	Dr. C. K. Seshadri	Languages and Popular Culture	Popular Culture International, 1980
<i>Foreign Languages — German</i>			
(4)	Dr. D. Srinivasan	(i) Übersetzung von Kunstwerken	German Studies in India, Trivandrum, September, 1979
		(ii) Fursorgliche Brlagerung-Rez.	German Studies in India, Trivandrum, December, 1979
		(iii) Satzertige Partizipien	German Studies in India, Trivandrum, September, 1979
<i>Gujarati</i>			
(5)	Professor S. H. Joshi	(i) ભાષા અને ફિલસુફી માતિભાતિમ દષ્ટિબિન્દુ	1. એતદ : એપ્રિલ-૧૯૭૬
		(ii) ભાષા અને ફિલસુફી માઈકલ હકેઈનની દષ્ટિએ	2. એતદ : ડિસેમ્બર-૧૯૭૬
		(iii) અર્થઘટન	3. સ્વાધ્યાય : માર્ચ-૧૯૮૦
(6)	Dr. S. M. Dave	(i) અર્થઘટન-ભારતીય સાહિત્યશાસ્ત્રના સંદર્ભમાં	1. સ્વાધ્યાય : માર્ચ ૧૯૮૦
		(ii) તુલનાત્મક સાહિત્ય રેનેવેલેકની દષ્ટિએ.	2. એતદ : માર્ચ ૧૯૮૦
		(iii) Development of Radha-Krishna, Theme in last two Centuries in Gujarati Poetry	Journal of the M. S. University of Baroda, Vol. XXV (1)
(7)	Dr. H. M. Trivedi	અર્થઘટન-શક્યતા અને સ્વરૂપ	સ્વાધ્યાય : માર્ચ-૧૯૮૦
(8)	Dr. L. M. Desai	આધુનિક એકાંકિની ગતિવિધિ	વિવેકાત્મક : ફેબ્રુઆરી-૧૯૮૦
(9)	Dr. B. R. Dalal	નવલકથાનો નાભિ-વિશ્વાસ-ધ. એમ. સિએશનની દષ્ટિએ	એતદ : જાન્યુઆરી-૧૯૮૦

Sr. No.	Name of the Teacher	Title	Name of the Journal wherein published with month of publication
(10)	Dr. M. J. Oza	આધુનિક ગુજરાતી કવિતા — અભિવ્યક્તિ	અભિવ્યક્તિ, જાન્યુઆરી-૧૯૮૦.
<i>Hindi</i>			
(11)	Dr. M. G. Gupta	(i) કપીરકે કાવ્યમેલો દોક-મંગલકી ભાવના	Hindustani Quarterly June, 1979, Allahabad
		(ii) ભારતીય સંસ્કૃતિ : અન્તર્ધારા	Mangal Dip, Bombay, Diwali Number, November, 1979.
		(iii) સંસ્કૃતિ ઓર રાષ્ટ્રીયતા	'Sudha Vindu', Ahmedabad, Special Number on Bhartiya Sanskriti, January-February, 1980
(12)	Dr. R. L. Shukla	વૈષ્ણવ આચાર્ય રૂપ-ગૌરવામીકી દષ્ટિમે સૌન્દર્ય	Parishad Patrika, Patna, January, 1980
<i>Philosophy</i>			
(13)	Kum. S. H. Divatia	(i) Theory of Descriptions	M. S. University Journal, June, 1979.
		(ii) Indefence of History of Philosophy	Indian Philosophical Quarterly, April, 1979
<i>Political Science</i>			
(14)	Professor A. P. Rana	(i) Nehru and International Political Modernization : A view from the Seventies	India Quarterly, Vol. XXXU, No. 1 1979
		(ii) The Paradiqmatic Dilemma of Contemporary Nandigment	Punjab Journal of Politics, Vol. III, 1979
		(iii) Regionalism an International Studies, Approach to International Order : A Conceptual Overview	October-December, 1979



Sr. No.	Name of the Teacher	Title	Name of the Journal wherein published with month of publication
<b>Sanskrit</b>			
(15)	Dr. S. G. Kantawala (Jointly with Prof. R. N. Mehta)	(i) Bhojanij Vavano Sheelalekha (ii) Rigveda (iii) Matsyapurana (iv) Asvasheera and Tattvajana (v) Vaidika Sanskrit and Prashista Sanskrit—ek tulana-tmaka Vihangalokana (vi) Dattapurana and Vedapadastuti eknondh	Swadhyaya Vol. II, V. S. 2035 Vedapurana Saurabha, May, 1979 Vedapurana Saurabha, Shri Navabharati and Dwarka Jagadguru Herakmahotsava issue 1979 Svadhyaaya, August, 1979 Nareshwarano Nada, March, 1980
(16)	Dr. (Miss) S. A. Nachane	(i) Bhavishyapurana Alochana (ii) Interpretation of Bhagavadgita IV-33 b (iii) Dattachampu by Vasudevananda Saraswati (iv) Shri Rangapranatih (A Poem in Sanskrit)	Veda Purana Saurabha, May, 1979 Journal of M. S. U. August, 1979 Shri Vasudevananda Saraswati 125th Birthday Celebration Volume Nareshwarano Nada, January, 1980
(17)	Shri S. M. Dave	(i) Narada (Naradiya) Purana (ii) Shrimad-Bhagavata (iii) Shri Dattapurana (iv) Revatata Vihari - Shri Ranga-Avadhoota	Vedapurana Saurabha, May, 1979 -do- Svadhyaaya, Vol. 16, No. 3 Shri Vasudevananda Saraswati 125th Birthday Celebration Volume

Sr. No.	Name of the Teacher	Title	Name of the Journal wherein published with month of publication
(18)	Smt. U. S. Deshpande	(i) Samaveda (ii) Bhagavadgita (iii) Avadhootajina Tattva-Chintana (iv) Shrimad Bhagavadgita edited by Goverdhanesh Parikh (Review of) (v) Ranga - Avadhoota - The Saint of Nareshwara (vi) Shrisaptashatiguru Charitrasara (vii) Rangavadhoota Prashastih (Verses in Sanskrit) (viii) Shrutigarbhashri Rangastutih (Verses in Sanskrit)	Vedapurana Saurabha, May, 1979 -do- Svadhyaaya, May, 1979 -do- Pathway to God : October, 1979 Shri Vasudevananda Saraswati 125th Birthday Celebration Volume Surabharati, October, 1979 Nareshwarano Nada—March, 1980
(19)	Shri J. A. Jani	(i) Brahmandapurana (ii) Shrimad Rangavadhoota Prashastih (Sanskrit) (iii) Vasudevananda Saraswati Stuti	Vedapurana Saurabha, April, 1979 "Samvid", Bharatiya Vidya Bhawan, April, 1979 Nareshwarano Nada—January, 1980.
<b>Archaeology and Ancient History</b>			
(20)	Prof. R. N. Mehta & Dr. K. N. Momin	(i) Schist Plaque from Vagha (Taluka Cambay) (ii) Deva Hoard of Kshatrapa Coins	Journal of the Indian Society of Oriental Art Vol. VIII. Calcutta June 1979 Journal of the Numismatic Society of India Varanashi. Vol-XL-Part-I & II, November '79.



Sr. No.	Name of the Teacher	Title	Name of the Journal wherein published with month of publication
		(iii) A coin of Mahakshatrapa Prithivisena	Numismatic Digest Bombay. Vol. III, Part II. December, 1979.
(21)	Prof. R. N. Mehta & Prof. G. K. Kantawala	Two Legends from the Skanda Purana—Study	Journal of Indian History Dept. of University of Kerala, Trivandrum, Vol. LVI, Part II, 26-5-1979.
(22)	Prof. R. N. Mehta	(i) Medieval Archaeology Approach & Experiences	M. S. University Journal, Baroda No. 25, 11-8-1979.
		(ii) Champaner-Ma-Ud-yano	Gujarat Dipotsavi, 20-11-1979.
		(iii) Town Planning in Champaner.	Journal of the Indian Society of Oriental Art-Vol. IX, Part II, 1977-78 published in 1979. 5-12-1979.
		(iv) A note on some Indian Navigational Terms	Indica, Vol. 16, 1979.
		(v) Samaj Vidha—San-sodhan and Paddithi-Udbhav	Vidyapith Hemant. 2036-Ahmedabad.
(23)	Dr. V. H. Sonawana	(i) Matruka Sculptures from Mataria and Ardhanarishvara from Tarsang (Panchmahals)	Journal of the Oriental Society, New Series—Vol. IX, 1977-78. Published in 1979.
		(ii) Four Kshatrapa Coins from Mataria (Panchmahals)	Journal of the M. S. University, Baroda. Vol. XXV No. 1, 1976-77. Published in 1979.
(24)	Dr. V. S. Parekh	(i) Eka Visista Ravan-nugrahamurti	Svadhyaaya (Gujarati) Vol. XVII, 2 January 1980
		(ii) Gujarat anani Bhairava Silpo.	Vidyapitha (Gujarati), January 1980.

Sr. No.	Name of the Teacher/s	Title	Name of the Journal wherein published with month of publication
(25)	Dr. K. N. Momin.	Shiva Sculptures from Kheda District.	Journal of M. S. University of Baroda, Baroda. November, 1979.
(26)	Dr. B. S. Suryavanshi	(i) Jain agamaun men dvipantara (Hindi) (continents and Islands in jain agamas)	Journal of the Birla Institute, Bhopal 1-5-1979
		(ii) Prachina Bharata men Lokatantra	Journal of Mitra Parishad, Calcutta. 15-8-1979.
		(iii) Shastriya Sangita Ke adhyatmika tattva, Studies in the religious and academic aspects of ancient Indian music.	Journal of Mitra Parishad, Calcutta, 15-11-1979.
		(iv) Sastriya Sangita Ke Sanskrit tattva (Studies in the Cultural elements of ancient Indian music)	Journal of Mitra Parishad, Calcutta, 15-2-1980.
<b>History</b>			
(27)	Mr. Ravindra Kumar	Administration of the Mughal Sarais.	Proceedings of Indian History Congress, 1979, December, 1979.

## (b) Published Books and Brochures

Sr. No.	Name of the Author/s	Name of the Book/s	Name of the Publishers
<b>Economics</b>			
(1)	Professor V. N. Kothari (Jointly with others)	Report on Block Development Plan for Jabugam.	The M. S. University of Baroda, 1979
<b>English</b>			
(2)	Professor J. Birje-Patil	E. M. Forster Centenary Volume	Macmillan, London, 1979



Sr. No.	Name of the Author/s	Name of the Book/s	Name of the Publishers
<i>Gujarati</i>			
(3)	Professor S. H. Joshi	નરહરિ કૃત જ્ઞાનગીતા	પ્રાચીન ગુજર્ અન્થમાલા
(4)	Dr. H. M. Trivedi	વિવેચક શ્રી. અગત્ય તરય કાકોર	અ. ક. કાકોર પ્રકાશન કોણી
(5)	Dr. M. J. Oza	(i) ઉન્નિમિતિ (વિવેચન સંગ્રહ) (ii) લીલાપીળા નવાળામુખી (એકાંકી) (iii) અમે તરસ્યા સાજન (નવલકથા)	—do— સમીર પ્રકાશન આદર્શ પ્રકાશન —do—
<i>Hindi</i>			
(6)	Prof. M. G. Gupta	ગોવિન્દ જ્ઞાન આવની	Shri Raghavji Jesingbhai Palghar (Dist. Thana)
(7)	Dr. R. L. Shukla	(i) શક્તિ વિવેચન (ii) વિક્રમાદિત્ય (a Historical Novel)	Vishwa Vidyalya Prakashan, Varanasi Stuti Prakashan 4 c Ansari Road, New Delhi-2
(8)	Dr. R. D. Pathak	Sant Priya	Sant Kavi Sagar Prakashan Trust, Vadodara, 15th September, 1979
<i>Linguistics</i>			
(9)	Shri D. D. Mahulkar	Pathways in Linguistics	M. S. University of Baroda
<i>Political Science</i>			
(10)	Prof. A. P. Rana	The Imperatives of Non-alignment: A Conceptual Study of India's Foreign Policy in the Nehru Period	New Delhi: The Macmillan Company of India, 1979
<i>Archaeology and Ancient History</i>			
(11)	Prof. R. N. Mehta, Shri R. C. Agrawala, Dr. V. S. Parekh, & Dr. V. H. Sonawane.	Chandravati	M. S. University Archaeological Series No. 16. M. S. University Press. February-1980.
(12)	Prof. R. N. Mehta	(i) Champaner—Ek-Adhyayan.	Oriental Institute, M. S. University, Baroda. Sayaji Sahitya Mala Pushap-355, M. S. University Press.

Sr. No.	Name of the Author/s	Name of the Book/s	Name of the Publishers
		(ii) Medieval Archaeology	Ajanta Books International, Delhi-11007.
<i>History</i>			
(13)	Dr. K. S. Mathew	(i) Medieval Society of Malabar	October, 1979 Publishes
(14)	Miss U. R. Patel	Gujarati translation of the "Foundation of Muslim Rule in India" by A. B. M. Habibullah	Submitted to ICHR for Publication in May, 1979
(c) Papers presented at all India level Seminars, Conferences etc.			
<i>Economics</i>			
Sr. No.	Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the Paper presented
(1)	Dr. M. M. Dadi and Prof. S. R. Hashim	Conference on National Income and Wealth Institute of Social and Economic Change, Bangalore, 18-21 January, 1980	Long-Term Trends in Capital Output Ratios in Indian Economy and Related Measurement Problems
(2)	Dr. (Smt.) M. N. Shah	Seminar on Unit Cost of Higher Education, at Indian Institute of Education, Pune, 13-14 November, 1979	Unit Cost of Education in M. S. University
(3)	Shri N. M. Pandya	Gujarat Economic Conference, Bhavnagar, 10-11, November, 1979	Evolution of the International Monetary System since 1971
<i>Philosophy</i>			
(4)	Kum. S. H. Divatia	Indian Philosophical Congress Session at Madras, December, 1979	The concept of Maya and its relevance for modern frames



Sr. No.	Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the Paper presented
<b>Political Science</b>			
(5)	Professor A. P. Rana	(i) Calcutta University- International Round Table on Non-alignment and Special Meeting on Political Science in Developing Countries. Conference held under the auspices of the Indian and International Political Science Associations, November 25-27, 1979	Non-alignment and Development : A Conceptual Enquiry
		(ii) Punjab University, Chandigarh, UGC Workshop on The Revision of International Relations and Area Studies Syllabi, April 16-18, 1980	International Studies in India : A Profile of some Critical
<b>Sanskrit</b>			
(6)	Dr. S. G. Kantawala	(i) Seminar on "Sanskrit Drama and Dramaturgy", Department of Sanskrit, Gujarat University, Ahmedabad from 18th to 24th June, 1979	"Historical Survey of Work in Sanskrit on Dramaturgy"
		(ii) Seminar on "The Aspects of Vedic Interpretation" : Centre of Advanced Study in Sanskrit, University of Pune, Pune, 23 to 31, 1980	"Two Legends from the Puranas : A Fresh Approach"

Sr. No.	Name of the Teacher	Name, Place and Date of the Conference/Seminar	Title of the paper presented
<b>Archaeology and Ancient History</b>			
(7)	Prof. R. N. Mehta	(i) International seminar on Harappan civilisation, Srinagar, 22 to 24th June, 1979	Some Rural settlements of Indus culture in Gujarat.
		(ii) Seminar on Socio-Economic History of western India with special reference to Maharashtra and Gujarat during last four centuries Gujarat Vidhyapith, Ahmedabad. 28th to 30th Sept. : 79.	Aspects of Socio-economic History as gleaned through Archaeological Sources.
		(iii) Gujarat Itihasa Parishad, Modasa. 28th and 29th November 1979.	1. Sahstraling Talav. 2. Puratatvo.
		(iv) Inter disciplinary symposium on the contribution of Buddhism to Indian thought & culture. Philosophy Department, University of Sagar, Sagar. 13th, 14th & 15th December 1979.	Buddhist Archaeology.
		(v) All India Epigraphical conference Gujarat Vidyapith, Ahmedabad. 9th to 11th March-80.	1. Place names as recorded in Epigraphs 2. Archaeological activities in Gujarat with special reference to Epigraphical finds.



Sr. No.	Name of the Teacher	Name, Place and Date of the Conference/Seminar	Title of the paper presented
		(vi) Indian History & Culture Society Vidyapith, Ahmedabad. 9-3-80 to 11-3-80	1. Towns in western India methodological view point.
(8)	Prof. K. T. M. Hegde.	International Seminar on Harrappan Civilisation, Srinagar. 22nd to 24th June, 1979.	The compositions and Technology of Harappan microheads.
(9)	Dr. B. S. Suryavanshi	All India Epigraphical Conference Gujarat Vidyapith, Ahmedabad. 9-3-80 to 11-3-80.	Gujarat conquest of the Guptas.
(10)	Dr. V. H. Sonavane	All India Archaeological Society for Pre-historic and Quarternary Studies, Bhopal. 16th to 18th March, 1980	Tarsang A first excavated Mesolithic Rock shelter of Gujarat.
(11)	Dr. V. S. Parekh	(i) Gujarat Itihas Parishad Modasa. 28th to 29th November, 1979 (ii) All India Archaeological and Society for Pre-history and quaternary studies, Bhopal 16th to 18th March-1980.	Gujaratma Sivani Randra Pratimo Excavation at Kanewal.
<b>History</b>			
(12)	Dr. G. D. Sharma	(i) "Indigenous Banking and the State in Eastern Rajasthan during the 17th Century" (ii) "Political Change-Rajput nobility in Rajasthan during the 18th Century"	Indian History Congress, Waltair U. G. C. sponsored Seminar, at Amritsar, April, 1980.

Sr. No.	Name of the Teacher	Name, Place and Date of the Conference/Seminar	Title of the paper presented
(13)	Mr. Ravindra Kumar	(i) "Bridges in Mughal India" (ii) "Factors promoting the Growth of Sarais"	Indian History Congress, Waltair Seminar on Gujarat, Rajasthan and Malwa during the 17th 18th, and 19th Centuries, Department of History, M. S. University, Baroda.
(14)	Dr. K. S. Mathew	(i) Portuguese Trade with India and the theory of Royal Monopoly in the Sixteenth Century (ii) Impact of the Portuguese Trade with India-Holland (iii) The Portuguese in Gujarat in the 17th, 18th and 19th Seventeenth Century	Indian History Congress, Waltair For the Seminar at Leiden University's: Centre of European Seminar on Gujarat in 17th, 18th and 19th Centuries held in M. S. University
(15)	Prof. V. K. Chavda	(i) Dewan Bahadur Ambalal Sakarlal Desai, A deep in early Moderate Politics of Gujarat, 1900-1914 (ii) Sansar Sudharao in the 19th Century, Gujarat	Indian History Congress, Waltair Seminar on Gujarat, Rajasthan, Malwa in 17th, 18th and 19th Centuries, March, 1980
(16)	Mrs. Gita Bajpai	(i) Significance of the American Civil war in the Gaekwad State during the years 1860-1870 (ii) -do-	1. I.C.H.R. Seminar in October, 1979 at the Gujarat Vidyapith, Ahmedabad 2. At the Department, M. S. University, Baroda



Sr. No.	Name of the Teacher	Name, Place and Date of the Conference/Seminar	Title of the paper presented
(17)	Miss U. R. Patel	(iii) Some aspects of the Agrarian Economy in some Talukas of the Gaekwad State 1860-1884	Indian History Congress, Waltair
(18)	Prof. S. C. Misra	Depiction of Women in single families, as reflected in 'Saraswatichandra'	Seminar at the M. S. University, Baroda
		Nobility in the Sultanate of Gujarat in an age of Decline	Indian History Congress, Waltair
(d) Talks given at different Universities/Institutions :			

Sr. No.	Name of the Teacher	University/Institution	Subject of the Lecture
<b>Economics</b>			
(1)	Professor V. N. Kothari	Sardar Patel Institute of Economic Research, Ahmedabad, June 22, 1979	1. The Concept of Disguised Unemployment 2. Rural Electrification
(2)	Professor S. R. Hashim	South Gujarat University, Surat, 29th February, 1980	Economic Linkages and Small-Scale Industries
<b>English</b>			
(3)	Professor J. D. Birje-Patil	(i) A.S.R.C., Hyderabad (ii) Central University, Hyderabad (iii) Kakatiya University, Watangal (iv) South Gujarat University, Surat	Recent American Fiction Modern Fictional Technique Shakespeare's Sense of Time Macbeth in the classroom
(4)	Dr. C. K. Seshadri	M.T.B. College, Surat	"A Decade of English Language Teaching in the Universities of Gujarat"

Sr. No.	Name of the Teacher	University/Institution	Subject of the Lecture
<b>Gujarati</b>			
(5)	Professor S. H. Joshi	(i) Gujarat University College, Bhuj (ii) South Gujarat University, Surat	(1) વિવેચનનો ચૈતન્યવાદી અભિગમ (2) ભાષા અને ફિલસૂફી ત્રણ વ્યાખ્યાનો
(6)	Shri N. C. Desai	Premanand Sahitya Sabha	(i) સુસાન સોનશીંગની અગ્રેસ્ટ ઇન્ટરપ્રીટેશન: એક પ્રતિભાવ
(7)	Dr. M. J. Oza	(i) કાવ્ય ગોષ્ઠિ (ii) સાહિત્ય વર્તુળઅંતર	(i) સુસાન સોનશીંગની અગ્રેસ્ટ ઇન્ટરપ્રીટેશન: એક પ્રતિભાવ (ii) સાહિત્યમાં સાંપ્રત વલણો
<b>Hindi</b>			
(8)	Professor M. G. Gupta	(i) Workshop on Modern Hindi Poetry 13th August, 1979 organised by S. P. University, Vallabh Vidyanagar (ii) Government Degree College Jamnagar on 13th January, 1980 (iii) S. P. University, Vallabh Vidyanagar on 14th and 15th March, 1980	Social background of Modern Literature Aspects of Medieval Hindi Poetry with special reference to Gujarat and Hindi areas Hindi Bhakti-Kavya Nir-gun-dhara Hindi Bhakti-Kavya Sajun-dhara
(9)	Dr. R. S. Mishra	(i) Indore University, Indore (ii) Arts College, Indore	(1) Contemporary Hindi Poetry (2) Research Methodology of Literature Sadharnikaran and Psychology
<b>Sanskrit</b>			
(10)	Dr. S. G. Kantawala	(i) Navjivan Arts and Commerce College, Dohad, 6-9-1979	Kalidasa and Bhavabhuti A comparative study



Sr. No.	Name of the Teacher	University/Institution	Subject of the Lecture
		(ii) Savli College, Savli, 11-9-1979	Kalidasa
(11)	Dr. (Kum.) S. A. Nachane	Navjivan Arts College, Dohad	Vikram or Vashiyam na stripatro, 13-9-1979
(12)	Shri J. A. Jani	S.N.D.T. College, Baroda	Shakuntalama Pranaya-meemansa July, 1979
<i>Archaeology and Ancient History</i>			
(13)	Prof. R. N. Mehta	(i) School of Archaeology Delhi 20-12-79	(1) Devnimori (2) Early Historic excavation in Gujarat
		(ii) Baikunthi Devi College Agra, 30-12-79	Archaeology
		(iii) — do — 2-1-80	Puranand & Archaeology
(14)	Prof. K. T. M. Hegde	(i) School of Archaeology Archaeology Survey of India, New Delhi 18-4-79 to 20-4-79	A series of 5 lectures on Environmental Archaeology
		(ii) Deccan College. Post-graduate Research Institute Pune-6, 5th May, 1979	An evaluation of certain available evidence towards an understanding of Harappan Technology
		(iii) Indian National Science Academy sponsored lectures at University of Mysore, Mysore 13th to 15th September, 1979	A series of following three lectures (1) Ancient Indian Copper Metallurgy (2) Ancient Indian Iron Metallurgy (3) Ancient Indian Ceramic Technology.

## (e) Participation in Inservice Programme :

Name of the Teacher	Programme, Place and Date/s	Capacity in which participated
<i>Economics</i>		
(1) Professor V. N. Kothari	(i) Workshop on Block Level Planning, Jyoti Consultants, Govt. of Gujarat, Baroda, October, 5-6-1979	Discussant
	(ii) Seminar on Employment and Levels of Living. Sardar Patel Institute of Economics and Research Ahmedabad, March 27 to 29-1980	Discussant
(2) Prof. S. R. Hashim	(i) Expert Group Meetings on "Railways in Indian Economy" organised by Rail Tariff Enquiry Committee, New Delhi during 1979	Member of the Expert Group
	(ii) I.C.S.S.R. Delegation to Holland to participate in discussions and negotiations on Indo-Dutch Collaborative Research Programme on Industrialization 11-16 November, 1979.	Delegate
<i>English</i>		
(3) Prof. R. N. Mehta	A.S.R.C. Hyderabad Dec. 1979	Chaired the Session on Henry James



Name of the Teacher	Programme, Place and Date/s	Capacity in which participated
<i>Sanskrit</i>		
(4) Dr. (Miss) S. A. Nachane	(i) Seminar for recommending values com. with Education of women held by N.C.E.R.T. at Shrinagar from 25th to 28th September, 1979	Expert
	(ii) A Seminar for Gujarat College Sanskrit Teachers at Vallabh Vidyanagar held on 13th and 14th January, 1980 to arrive at a common course in Sanskrit for three year Degree Education in Gujarat	Participant
(5) Shri S. M. Dave	(i) Seminar on course and Syllabus in Sanskrit Vidyanagar, 13th and 14th January, 1980, Vidyanagar	Participant
	(ii) Publication of Shri Vasudevanand Saraswati 125th Birthday Celebration Souvenir November, 1979	Chief Editor
(6) Smt. U. S. Deshpande	Sanskrit Teachers Seminar, Vidyanagar, January, 1980	Participant

*Archaeology and Ancient History*

Name of the Teacher	Programme, Place and Date/s	Capacity in which participant
(7) Prof. R. N. Mehta, Prof. K. T. M. Hegde, Dr. B. S. Suryavanshi, Dr. S. N. Chowdhary, Dr. (Mrs.) D. R. Shah, Dr. V. S. Parekh, Dr. V. H. Sonawane, and Dr. K. N. Momin.	Training of officers of Department of Archaeology, Government of Gujarat in this Department building from 15-9-79 to 29-9-79, 3-9-80 to 16-3-80 and 17-4-80 to 23-4-80.	Deputed officers
(8) Prof. V. K. Chavda	Preparation of Jnankosh, Ahmedabad, 4th and 7th February, 1980	Committee Member
(9) Dr. S. K. Dasai	Preparation of Jnankosh, Ahmedabad, 2nd and 6th February, 1980	Committee Member
(10) Prof. S. C. Misra	Chapters in Indian History Congress: Comprehensive History of India	
(f) Awards :		
(1) Prof. A. P. Rana,	Associate Director (Gujarat) National Talent Search Examination NCERT, New Delhi, for 1980.	
(2) Dr. Thomas Pantham :	Hari Om Ashram Prerit Bhaikaka Inter-University Smarka Trust Prize for the year 1979-1980 (Political Science)	

5. Department of History

The Department organized a Seminar on Gujarat, Rajasthan and Madhya Pradesh (Malwa) in the 17th, 18th and 19th Centuries—Problems and Perspectives in Social, Economic and Political History, on 21-23 March, 1980.

The following Visiting Assignments were undertaken in other Institutions :



- (1) Professor S. C. Misra : Visiting Professor in History : Guru Nanak Dev University, Amritsar, October 28th–November 12th 1979 : Gave a series of Twelve Lectures and Three Seminars
- (2) Dr. S. K. Desai : Two talks on “European History” given in the Department of History, Saurashtra University, Rajkot under the Teacher Exchange Programme on 4th and 5th February, 1980 at Rajkot.
- 6 Visitors

## 6 Visitors

Sr. No.	Name	Designation	Date of Visit
(1)	Dr. Shiva Mangal Singh, 'Suman'	Ex-Vice-Chancellor, Vikram University, Ujjain	7th August, 1979
(2)	Professor James Hitchman	Visiting Fullbright Prof. United States Educational Foundation in India	17-18 December, 1979
(3)	Mr. Noel	Director, International Communication Agency, (USA) Bombay	January, 1980
(4)	Stella Kramrich	Professor of Indian Art in Institute of Fine Arts, New York and curator of Indian Art Philadelphia Museum of Art	2-4-79
(5)	Narayan	Director of Museums, Government of Madras	26-4-79
(6)	B. K. Pandey	Research Officer ICHQ, New Delhi	1-10-79
(7)	A. N. Pujara	Administrative Officer Director of Higher Education Office, Ahmedabad	10-10-79
(8)	Stan Czuma	Curator, The Cleveland Museum of Art, U.S.A.	20-11-79
(9)	Dr. V. K. Sharma	Lecturer, Hams Raj College, Delhi	14-12-79
(10)	J. C. Bhan	Director, University Museum, Kashmir	12-1-80
(11)	U. M. Chokshi	Chief Editor, Gujarat Dist. Gezetteer, Ahmedabad	20-3-80

## 7 Special Activities

Shakespeare Society of the Department of English presented *Kemp's Jig*, an Elizabethan Road Show, by Chris Harris on 10th November, 1979, through the courtesy of the British Council Division of the British High Commission, Bombay. It presented J Birje-Patil's dramatization of T S Eliot's *The Waste Land*, and *Old Possum's Book of Practical Cats* at the National Centre for the Performing Arts Auditorium in Bombay on 8th Feb., and at Prithvi Theatre Workshop on 9th Feb., 1980. Its annual productions included Arthur Miller's *The Crucible*, Phillip King's *See How They Run*. David Campbell's *Us and Them*, Slawomir Mrozek's *The Party* and Harold Pinter's *Revues*, which were presented in the last week of February, 1980.



## CHAPTER VIII—FACULTY OF SCIENCE

### 1. Courses of Studies

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

### 2. Number of Students

The number of men and women students on roll in the various classes in the year 1979-80 was as under:

Class	Boys	Girls	Total
(i) Diploma in Laboratory Techniques			
1 Year	11	—	11
2 Year	10	—	10
Total	21	—	21
(ii) F.Y.B.Sc.	366	197	563
(iii) S.Y.B.Sc.	389	168	557
(iv) T.Y.B.Sc.	286	161	447
Total	1041	526	1567
(v) M.Sc. (Previous)	129	62	191
(vi) M.Sc. (Final)	102	52	154
(vii) M.Sc. (Applied Geology)	12	—	12
Total	243	114	357
(viii) Ph.D.	43	7	50
Total	43	7	50
Grand Total	1348	647	1995

### 3. Staff

#### (a) Present Position :

The Staff of the Faculty consisted of 18 Professors, 37 Readers, 141 Lecturers, 120 Class III and 82 Class IV Employees.

#### (b) New Appointments :

- |                                 |                                   |
|---------------------------------|-----------------------------------|
| (1) Dr. (Smt.) J. G. Menon      | Lecturer in Zoology               |
| (2) Dr. (Kum.) R. V. Kinariwala | Lecturer in Zoology               |
| (3) Dr. P. V. Patel             | Lecturer in Zoology               |
| (4) Dr. J. R. Otia              | Lecturer in Physics (Ultrasonics) |

- |                                   |   |
|-----------------------------------|---|
| (5) Dr. (Kum.) N. V. Vaishampayan | Lecturer in Physics (Solid State Physics) |
| (6) Dr. S. B. Trivedi             | Lecturer in Physics                       |

#### (c) Teachers upgraded to Higher Positions :

- |                            |  |
|----------------------------|--|
| (1) Dr. R. P. Bhatt        | Reader in Botany (Lecturer in Botany)          |
| (2) Dr. G. T. Malpathak    | Reader in Geology (Lecturer in Geology)        |
| (3) Dr. A. G. Phatak       | Professor in Statistics (Reader in Statistics) |
| (4) Dr. D. K. Shah         | Reader in Statistics (Lecturer in Statistics)  |
| (5) Dr. H. C. Patel        | Reader in Statistics (Lecturer in Statistics)  |
| (6) Dr. A. V. Ramachandran | Reader in Zoology (Lecturer in Zoology)        |

#### (d) Teachers who left the University :

- |                                   |                              |          |
|-----------------------------------|------------------------------|----------|
| (1) Dr. Ram Lakhan                | Reader in Chemistry          | Resigned |
| (2) Dr. J. R. Dave                | Lecturer in Bio-chemistry    | Resigned |
| (3) Dr. J. E. Shah                | Lecturer in Chemistry        | Expired  |
| (4) Prof. (Smt.) Indira V. Bhanot | Professor of Statistics      | Retired  |
| (5) Shri N. P. Salvi              | Lecturer in Chemistry        | Resigned |
| (6) Dr. S. L. Bafna               | Reader in Physical Chemistry | Retired  |
| (7) Shri G. K. Trivedi            | Lecturer in Physics          | Retired  |

### 4. Professional Growth of the Staff

#### (a) Published Articles/Papers :

Name/s	Subject	Title	Name of the Journal wherein published with month of publication
<i>Biochemistry</i>			
(1) C. V. Ramakrishnan and S. D. Bhandari	Differential developmental pattern of acid and alkaline phosphatase activities in rat intestine	Experientia. 35, 994 (1979).	
(2) S. D. Bhandari, Chandrasekhar, and Raval, S.	Polyphosphoinositide metabolism in intestine of neonatally undernourished rats	Rep. Int. 21, 551 (1980).	



Name/s Subject	Title	Name of the Journal wherein published with month of publication
(3) L. J. Parekh, K. K. Saramma and C. V. Ramkrishnan	Studies on fruit tissue of <i>Cirtus acidula</i> cultivated in vitro	Today and Tomorrow Printers and Publishers, New Delhi, pp. 13-27 (1979).
(4) B. L. Naik, V. Sharma and S. K. Srivastav	Interaction between plant growth regulator and polyemine effects on membrane permeability	Phytochemistry (1980).
<i>Botany</i>		
(5) R. R. Shah and A. R. Mehta	Phenolic compounds in <i>Crotalaria juncea</i> L. tissue cultured in vitro	Ind. J. Ept. 18, 222-227 (1980).
(6) M. Daniel and S. D. Subnis	Chemotaxonomy of Oleaceae	Ind. J. Ept. Biol. 17 (9), 995-997, (1979).
(7) C. B. S. Dutt, M. Daniel and S. D. Sabnis	Chemotaxonomical studies on the genus of <i>Alysicarpus</i> Nelk (ex) Desv	Ind. J. Bot. 2 (1), April, (1979).
(8) M. Sanjappa, R. P. Bhatt and Mrs. A. Dasgupta	Isomerism in flowers of <i>Azauza lampas</i> Dalz. (Malvaceae)	Curr. Sc. 48 (15): 690-691 (1979).
(9) S. Sanjappa and R. P. Bhatt	Cytological observation in the family Fabaceae-tribe Indigoferae	J. Cytol. Gemt. 14: 58-63 (1979).
(10) R. P. Bhatt and Mrs. Aparna Dasgupta	Estimation of DNA-content and its correlation with protein content total chromatin length, chromosome size and ploidy level of selected species	J. M. S. Univ. 27-28 (3): I: 1978-79.
(11) Mrs. Aparna Dasgupta and R. P. Bhatt	Cytotaxonomy of Malvaceae-II-Chromosome number and Karyotype analysis of <i>Hibiscus Sabdariffa</i> and its varieties	J. M. S. Univ. 27-28 (3): 19; 1978-79.

Name/s Subject	Title	Name of the Journal wherein published with month of publication
<i>Chemistry</i>		
(12) P. K. Bhattacharya and B. T. Thaker	New mixed ligand schiff base complexes of Cu (II) and Ni (II)	J. Ind. Chem. Soc., 17A, 371 (1979).
(13) P. K. Bhattacharya and B. A. Jani	Synthesis of some new unsymmetrical tetradentate Schiff bases	Ind. J. Chem., 18A, 80 (1979).
(14) P. K. Bhattacharya, K. Gopalakrishnan and U. Chudasama	Mixed ligand complexes of Cu (II) with tertiary amines and B-diketones of B-Ketoanilides	J. Ind. Chem. Soc., 56, 445 (1979).
(15) P. K. Bhattacharya and K. Gopalakrishnan	Ternary complexes of Cu (II) with 2 2'-dipyridyl as primary ligand and B-ketonilides as secondary ligands	Ind. J. Chem., 18A, 458 (1979).
(16) P. K. Bhattacharya, U. Chudasama and K. Gopalakrishnan	Studies in some mixed ligand complexes containing B-dicarbonyls contained Part IV	J. Ind. Chem. Soc., 56, 751 (1979).
(17) P. K. Bhattacharya	Electronic spectra of some Rhodium (iii) complexes of saturated cyclic tetra amines	J. C. S., Dalton 5 (1980) 81.
(18) R. N. Kapadia and Adarsh K. Dalal	Synthesis and absorption properties of phenol-acetaldehyde type chelating ion exchange resin	Ind. J. Chem. 94A, 280 (1980).
(19) Suresh Sethna, J. H. Pardani and Y. G. Gaekwad	Synthesis of naphtho-a and V-pyrone derivatives from 1, 4-Dihydroxy naphthalene	J. Indian Chem. Soc., 56, 644 (1979).
(20) Suresh Sethna and S. G. Patel	Studies in Chromones and Flavones Part XII. Synthesis of V-pyrone derivatives from 2, 4-Diacetyl resorciaol	J. Indian Chem. Soc., 56, 740 (1979).
(21) K. N. Trivedi and K. P. Sanghvi	Studies in the synthesis of xanthone derivatives. Part I. Synthesis of Furanoxanthones	J. Indian Chem. Soc., 56, 52 (1979).



- | Name/s Subject   | Title   | Name of the Journal wherein published with month of publication                      |
|--|---|--|
| (22) K. N. Trivedi and K. P. Sanghvi                                   | Studies in the Synthesis of Furocoumarins. Part XXIV Synthesis of Difurocoumarins   | J. Indian Chem. Soc., 56, 56 (1979).   |
| (23) K. N. Trivedi and P. V. Thakore                                   | Synthesis of Anticancer Agents Part V. Nitrogen Mustards of Quinoline derivatives   | J. Indian Chem. Soc., 56, 1239 (1979).   |
| (24) K. N. Trivedi and R. R. Shah                                      | Synthesis of 2, 2-Dimethyl Pyrano coumestan derivatives   | J. Indian Chem. Soc., 56, 995 (1979).  |
| (25) S. S. Merh and B. N. Upreti                                       | Geology of the area around Bhoksing-Sirkang section of the Kali Gandaki Valley Central West Nepal                                 | Himalayan Geology Vol. 8.  |
| (26) S. S. Merh and Toran Sharma                                       | Structural Geology of the rocks of Phalebas Kusma area in Central West Nepal  | Himalayan Geology Vol. 8.  |
| (27) S. S. Merh  | Millolite Problem   | Presidential Address, Geology-Geography Section, 68th Session, Ind. Sc. Cong. (1979) |
| (28) S. S. Merh Toran Sharma and B. N. Upreti                          | Structural Geology of Kusma-Sirkang section of Kali-Gandaki valley and its bearing on the tectonic frame work of Nepal Himalayan. | Tectonophysics Vol. 62, No. 1/2 Feb. 1980, pp. 155-164.                              |
| (29) S. S. Merh S. V. Deshpande  | Mesozoic sedimentary model of Wagad Hills, Kutch, Western India.  | Jl. Geol. Soc. Ind. Vol. 21. No. 2. pp. 75-83.                                       |
| (30) S. S. Merh P. P. Patel, S. G. Patel, K. Gopalan and J. R. Trivedi | Rb-Sr age of Godhra and related granites Gujarat India.   | Proc. Ind. Acad. Sci. Vol. 88, Part II, No. 1, 1979 pp.7-17.                         |

- | Name/s Subject   | Title   | Name of the Journal wherein published with month of publication |
|--|---|---|
| (31) S. S. Merh S. J. Desai, Y. K. Agrawal, P. S. Raj and S. G. Patel                          | Effect of Lead from Motor vehicle exhausts on plant and soil along a major through-fare in Baroda city.   | Intern. J. Environ. studies, U.K. Vol. 14, pp. 313-316          |
| (32) S. D. Desai J. M. Shirke  | Fireclay Refractories   | Minerals Research Vol. VIII, pp.11-16.                          |
| (33) D. R. Gadekar   | Heavy mineral analysis of tertiary sedimentary rocks around Jhagadia, dist. Broach Gujarat and its significance in the inference of provenance. | Bull. Earth, Sci. Poona, Vol. 6, p.7-12.                        |
| (34) N. M. Vashi, B. N. Upreti and Toran Sharma  | Kaligandaki gravel deposits of central west Nepal, their Neotectonic significance.  | Tectonophysics, 62 (1980) 127-139.                              |
| (35) D. M. Shringarpure, A. N. Shah, K. Dhondial, and P. P. Patel, S. Srinivas and Y. B. Rawal | The Debatable age of the Nilkanth rocks of Pauri Garhwal Himalayan, U.P.  | VII Indian Colloquium on Micropal and Stratigraphy Abst. Vol.   |
| (36) D. M. Shringarpure  | Plaeoenvironmental significance of the Red coloured sedimentary   | II Conve. Indian Asso. of Sedi. Mysore Abst. Vol. 88A.          |
| (37) S. G. Patel, P. P. Patel  | Rb-Sr age of Godhra and related granites, Gujarat, India (with P. P. Patel, K. Gopalan S. S. Merh and J. R. Trivedi)                            | Proc. Ind. Acad. Sci. Vol. 88A. Pt. No. II 1979 pp. 7-17        |
| (38) A. N. Shah, A. K. Matto and S. K. Munshi  | Study of the Aminoacids and fatty acids from the stromatolites of Someshwar area in Kumaon Himalaya   | Current Science, July 20, 1979, Vol. 48 No. 14, 623-624.        |
| (39) P. P. Patel, J. V. Bhatt and G. V. Malkan   | On the occurrence of diatomite from Bhavnagar area, Gujarat   | Jl. Geol. Soc. India Vol. 20-1979, p. 114-117.                  |



Name/s Subject	Title	Name of the Journal wherein published with month of publication
(40) P. P. Patel, V. N. Kulkarni	Hot springs of Western India : In relation to tectonic and mag- netic activities and their scope of development	Symp. on Focal thim. Proc. 67th Ind. Soc. Cong. 1980.
<i>Microbiology</i>		
(41) A. S. Wali, A. K. Mattoo and V. V. Modi	Comparative temperature stability properties of malate dehydrogenase from some ther- mophilic fungi	Int. J. Peptide Pro- tein Res. (1979), 14. 99.
(42) P. P. Gill and V. V. Modi	Effect of Egg. white and Avidin on the growth of <i>A. nidulans</i> and on its proteases and NADP- GDH	Ind. J. Exp. Biol. (1979), 17, 578.
(43) A. M. Dandekar and V. V. Modi	Effect of penicillin Ampicillin on the Lysis of <i>R. Japonicum</i> by Lysozyme	Ind. J. Exp. Biol. (1979), 17, 1236.
(44) J. K. Buch and P. J. Dave	Studies on mechanism of deto- xification of aflatoxin by trea- ment plastics and ammonia	Ind. J. Biochem. Biophys. (1979), 16 17.
(45) Ketan Shah and H. S. Chhatpar	Biodegradation of Paperbags by <i>Aspergillus</i> and <i>Mucor</i> species	Curr. Sci (1980), 49.65.
(46) H. G. Vyas and H. S. Chhatpar	Biochemical changes in Mango after infection with <i>Rhizoctonia</i> <i>bataticola</i>	Experientia (1980), 36.
(47) C. S. Nautial, H. S. Chhatpar and V. V. Modt	Role of some oxidative and dehydrogenase enzymes in root nodules of <i>Trigonella funicum</i> <i>graecum L.</i>	Ind. J. Expt. Biol. (1980), 18. 362.
(48) H. B. Mehta and V. V. Modi	GTP cyclohydrolase from <i>Eremothecium ashutl</i>	Ind. J. Expt. Biol. (1980), 18, 243.
(49) V. V. Modi, N. N. Rao and K. Shailubhai	Microbial treatment of Petrol industry sludge and its evalua- tion	Management of En- vironment. Pub Peter Wiley, p. 170- 180 (1980).

Name/s Subject	Title	Name of the Journal wherein published with month of publication
(50) Satya Dandekar and V. V. Modi	Involvement of CAMP in carotogenesis and cell diffe- rentiation	Biochem Biophys, Acta (1980), 628, 398.
(51) Gopa Majmudar and V. V. Modi	Effect of plant hormones membrane permeability of mango	Ind. J. Expt. Biol. (1980), 18, 325.
<i>Physics</i>		
(52) V. P. Bhatt and M. B. Trivedi	Shape of thermal etch pits and crystal structure in Tellurium crystals	Cryst. and Tech. 14, (1979), 1545.
(53) N. R. Shah and A. B. Darji	New Band system of NiBr mole- cules in the near ultraviolet region	Curr. Sci. 48, (1979) 809.
(54) V. P. Nampoore and M. M. Patel	A new band system of In Cl molecule in the region 4100- 3900 A°	Curr. Sci. 48, (1979), 532.
(55) Philip Mathew	Rotational analysis of A-X, system of PbCl molecule	Curr. Sci. 48, (1979), 759.
(56) K. J. Chakoo and M. M. Patel	Spectrum of BiF molecule in 5800-6600 A° Region	Ind. J. Pure and Appl.
(57) K. J. Chakoo and M. M. Patel	Band spectrum of SbO molecule	J. Phys. B, Molec. Phys. 12, (1979), 2133
(58) Miss S. G. Nene, P. Mathew and M. M. Patel	Rotational analysis of 0, 0 Band of B-X system of CuBr molecule	Curr. Sc., 49 (1980), 159.
(59) A. B. Darji and S. P. Vaidya	A new band of Indium Iodide molecule in the region 3490- 3604 A°.	Curr. Sci., 44, (1980), 335.
(60) V. K. B. Kota and V. Pothbhare	Ground State Proton neutron occupancies in f-p shell	Nucl. Phys. A331, (1979), 93.
(61) V. K. B. Kota and V. Potbhare	Shape of Spectrum for many boson systems	Phys. Rev. C. March, 1980 Issue.



Name/s Subject	Title	Name of the Journal wherein published with month of publication
<i>Statistics</i>		
(62) M. M. Gandotra	Population Projections in Gujarat, 1971-2001	ANVESAK, Vol. VIII No. 1-2, Ahmedabad, 1978, (appeared in 1979).
(63) M. M. Gandotra and Divya N. Pandey	Values attached to Children in Indian Society and Family Size Norms: The change and Impact	The Journal of Faculty of Welfare, Vol. XXVI, No. 1, Sept. (1979).
(64) M. M. Gandotra, Narayan Das and R. V. Bhatt	Factors Influencing Sema-Natal Mortality in an Indian Community	Glimpses on Child Population, Population Centre (I.P.P.), Lucknow, Dec. 1979
(65) M. M. Gandotra and N. L. Patel	Economic Structure of Cities and Towns and their Impact on Urban Growth of Gujarat State	Place of Small Towns in India, NGSI Res. Pub. 21, ICRHS Pub. 3 (1979), pp. 145-154, Varanasi.
(66) M. M. Gandotra	Internal Migration in India	India Monograph United Nations ESCAP, Bangkok, 1979.
<i>Zoology</i>		
(67) R. V. Shah, G. K. Menon and M. B. Jani	Incubation patch formation in the house sparrow: Possible role of integumentary glyco ceamino-glyeons	Monitore Zool. Ital. Vol. 13 (1), pp. 1-9, 1979.
(68) J. S. Kothari, P. K. Hiradhar and R. V. Shah	Thyroid-gonad interrelationship and its effect on growth rate of regenerating tail in the gekkonid lizard <i>Hemadactylus flaviviridis</i>	Ind. J. Exp. Biol. Vol. 17, pp. 869-872, Sept., 1979.
(69) R. V. Shah, Thomas Varughese and P. K. Hiradhar	Free amino acids during tail regeneration in the gekkonid lizard, <i>Hemidctylus flaviviridis</i> .	Ind. J. Exp. Biol. Vol. 17 (9), pp. 960-961, Sept., 1979.

Name/s Subject	Title	Name of the Journal wherein published with month of publication
(70) R. V. Shah, J. S. Kothari and P. K. Hiradhar	Alterations in liver dehydrogenases during tail regeneration in the gekkonid lizard <i>Hemidactylus flaviviridis</i>	J. Anat. Vol. 129 (2), pp. 273-277, 1979.
(71) B. Pilo	Seasonal variation in the iron content of the liver and muscle of the migratory starling, <i>Sturnus roseus</i>	PAVO Vol. 17 (1 and 2), pp 1-6, 1979.
(72) B. Pilo	Ascorbic acid content of the liver of a migratory starling <i>sturnus roseus</i> during post and premigratory periods	PAVO Vol. 17 (1 and 2), pp. 7-12, 1979.
(73) P. V. Patel, B. Pilo, M. V. Asnani and R. V. Shah	Studies on developing avian liver 6. Activities of succinate dehydrogenase, adenosine triphosphatase and lactate dehydrogenase in the liver of pigeon during post-hatching development	PAVO Vol. 17 (1 and 2), pp. 40-49, 1979.
(74) B. Pilo and P. V. Patel	Studies on developing avian liver 7. The correlation of functional maturity of the liver with the functions of certain endocrine glands in pigeon during post-hatching development	PAVO Vol. 17 (1 and 2), pp. 54-64, 1979.
(75) B. Pilo and Smrtti Iyengar	Non-specific acid and alkaline phosphomonoesterases during post-hatching development of the brain in altricial birds	PAVO Vol. 17 (1 and 2), pp. 91-10A, 1979.
(76) P. M. Ambadkar and B. C. Chauhan	Annual variations in the levels of total lipids, cholesterol, phospholipids and 5-3B-Hydroxysteroid dehydrogenase activity (complex of EC 1.1.1.51 and EC 5.3.3.1) in the testes of the Indian house crow, <i>Corvus splendens</i> ( Vieillot )	PAVO Vol. 17 (1 and 2), pp. 103-116, 8179.



Name/s Subject	Title	Name of the Journal wherein published with month of publication
(77) P. M. Ambadkar and B. C. Chauhan	Annual variations in the levels of total lipids, cholesterol, phospholipids and the activity of 5-3B-Hydroxysteroid dehydrogenase (complex of EC 5.3.3.31) in the ovaries of Indian house crow, <i>Corvus splendens</i>	PAVO Vol. 17 (1 and 2), pp. 117-134, 1979.
(78) P. K. Hiradhar, J. S. Kothari and R. V. Shah	Studies on changes in blood-cell population during tail regeneration in the gekkonid lizard <i>Hemidactylus flaviviridis</i>	Netherlands J. Zool. 29 (1), pp. 129-136. 1979.
(79) G. K. Menon and R. V. Shah	Adaptive features in juvenal plumage pattern of the Indian Koel <i>Eudynamis scolopacea</i> : host mimesis and hawk pattern	J. Yamashina Instt. Ornithol. Vol. 11, No. 2 (55), pp. 87-95, May, 31, 1979.
(80) G. K. Menon, R. V. Shah and M. B. Jani	Lipid secretion by epidermis of bare skin from the head of the Indian white Ibis, <i>Threskiornis Melanocephala</i>	J. Yamashina Instt. Ornithol. Vol. 11, No. 2 (55), pp. 128-131, May, 1979.
(81) R. V. Shah, J. S. Kothari and P. K. Hiradhar	Effects of testosterone on the rate of growth of the regenerating tail of normal and thyro-ectomized gekkonid lizard <i>Hemidactylus Flaviridis</i>	Ind. J. of Expl. Biol. Vol. 17 pp. 1194-1196, November, 1979.
(82) A. V. Ramachandran, R. V. Kinariwala and R. V. Shah	Tail regeneration and lipid metabolism: 2. Changes in the content of total hepatic cholesterol, phospholipids and blood cholesterol in the scincid lizard, <i>Mabuya carinata</i>	J. Amin. Morphol. Physiol. Vol. 26, (1 and 2), 1979.
(83) R. V. Shah, R. V. Kinariwala and A. V. Ramachandran	Tail wound healing and lipid metabolism: 2 Changes in the content of total hepatic cholesterol phospholipids, and blood cholesterol in the agamid lizard, <i>Calotes versicolor</i>	J. Amin. Morphol. and Physiol. Vol. 26 (1 and 2), pp. 29-35, 1979.

Name/s Subject	Title	Name of the Journal wherein published with month of publication
(84) P. V. Patel and B. Pilo	Glucostatic function of avian skin	J. Amin. Morphol. Physiol. Vol. 26 (1 and 2), pp. 55-60, 1979.
(85) P. M. Ambadkar and N. F. Gangaramani	Alteration in non-specific phosphomonoesterase activity under the influence of sex hormones in rat liver	J. Amin. Morphol. Physiol. Vol. 26 (1 and 2), pp. 61-70, 1979.
(86) P. M. Ambadkar and D. M. Vyas	Activities of certain dehydrogenases in the preputial gland of normal castrated and adrenalectomized—castrated rats	J. Amin. Morphol. Physiol. Vol. 26 (1 and 2), pp. 162-168, 1979.
(87) A. K. Desai	Comparative structural changes in the kidney of <i>Hilsa</i> , <i>Ilisha</i> and <i>Hilsa toli</i> as related to migratory habits	J. Amin. Morphol. Physiol. Vol. 26 (1 and 2), pp. 220-227, 1979.
(88) A. K. Desai	Histological observations on catecholamine secreting cells in the heart of migratory <i>Hilsa Ilisha</i> and non-migratory <i>Hilsha toli</i>	J. Amin. Morphol. Physiol. Vol. 26 (1 and 2), pp. 252-256, 1979.

## (b) Published Books and Brochures :

Sr. No.	Name of the Author/s	Name of the Book	Name of the Publisher
1.	Prof. (Smt.) V. A. Janki	"Commerce of Cambay from Earliest period to 19th Century"	Research Paper Series No. 9 (March, 1980) Published by the M. S. University Press, Baroda.
2.	Prof. V. M. Shah	New Mathematics for Parents and Pupils	S. Chand and Company Ltd., New Delhi-110 065
3.	Prof. M. Sreehari	Development Block Plan for Jabugam	M. S. University
	Jointly with Prof. P. J. Madan, Prof. V. N. Kothari		



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

Sr. No.	Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the paper presented
(1)	G. A. Ravishankar and A. R. Mehta	Symp. on Plant Tissue Culture Genetic Manipulation and Somatic Hybridization of Plant Cells. At. Dept. of Atomic Energy, Govt. of India, B/RC, Bombay Feb. 27-29, 1980.	"Regulation of Nicotine biogenesis : Enzymatic studies during the development and growth of tobacco callus".
(2)	S. K. Rawal and A. R. Mehta	Symp. on Plant Tissue Culture Genetic Manipulation and Somatic Hybridization of Plant Cells. At. Dept. of Atomic Energy, Govt. of India, B/RC, Bombay Feb. 27-29, 1980.	"Changes in enzyme activity and isoperoxidases in haploid tobacco callus during organogenesis."
(3)	P. H. Bhatt and A. R. Mehta	Symp. on Plant Tissue Culture Genetic Manipulation and Somatic Hybridization of Plant Cells. At. Dept. of Atomic Energy, Govt. of India, B/RC, Bombay Feb. 27-29, 1980.	"Factors affecting root differentiation in leaf disc culture of <i>Ipomoea biloba</i> ."
(4)	G. R. Nambiar and A. R. Mehta	Symp. on Plant Tissue Culture Genetic Manipulation and Somatic Hybridization of Plant Cells. At. Dept. of Atomic Energy, Govt. of India, BARC, Bombay, Feb. 27-29, 1980.	"Pattern of tryptophan synthetase activity and alkaloid production in <i>E. alsinoides</i> callus culture."
(5)	G. R. Ravishankar and A. R. Mehta	Symp. on Plant Tissue Culture Genetic Manipulation and Somatic Hybridization of Plant Cells. At. Dept. of Atomic Energy, Govt. of India, BARC, Bombay, Feb. 27-29, 1980.	"Glutamic acid induced morphogenesis and nicotine production in tissue cultures of tobacco."
(6)	M. Sanjappa and R. P. Bhatt	Symp. on Plant Tissue Culture Genetic Manipulation and Somatic Hybridization of Plant Cells. At. Dept. of Atomic Energy, Govt. of India, BARC Bombay, Feb. 27-29, 1980.	"Cytological observation in family Fabaceae II. Tribe Desmodiidae."

Sr. No.	Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the paper presented
(7)	Sr. M. Genevieve and C. H. Pathak	6th Session, Ind. Sci. Congr., Calcutta in Feb. 1980.	"Studies on the induction of nitrate reductase in rice."
(8)	G. P. Senan and M. M. Moghe	6th Session, Ind. Sci. Congr., Calcutta in Feb., 1980.	"Studies on the insect galls of <i>Ficus glomerata</i> ."
(9)	Subhash N. and G. P. Senan	6th Session, Ind. Sci. Congr., Calcutta in Feb., 1980.	"Studies on the effect of salt (NaCl) on the germination and growth of seedlings of <i>Oryza sativa</i> ". var. Bhura Rata."
(10)	Alicekutty, M. and G. P. Senan and Verghese Thomas	6th Session, Ind. Sci. Congr., Calcutta in Feb., 1980.	"Effect of auxins and kinetin on growth and content of diosgenin of tissues of <i>Trigonella</i> cultured in vitro."
(11)	A. N. Shah	Wadia Institute of Himalayan Geology, Dehradun Geology, 1979. (10th Himalayan Geology Seminar on Structure and Tectonics of Himalaya).	"Tectonic evolution and stress condition in the development of Kathmandu nappe and Kathmandu basian Central Nepal."
(12)	A. N. Shah	VIII Indian Colloquium on Micropalaeontology and Stratigraphy, Baroda, Feb., 14, 15, 16, 1980.	"The debatable age of Nilkanth rocks, Pauri Garhwal Himalaya."
(13)	S. S. Merh, Y. K. Agrawal, and M. P. Patel	Convention in Geo-analytical method, 1979, Calcutta.	"Spectrophotometric determination of Mo Trace in Rocks."
(14)	A. M. Mehta, P. M. Patel, and P. J. Dave	XX Annual Conference of Association of Microbiologists of India, Nov. 1-3 (1979), Hissar	"Effect of pH on the inhibitory activity of lactic and acetic acid on <i>S. aureus</i> and <i>E. coli</i> ."



Sr. No.	Name of the Teacher	Name, Place and Date of the Conference/Seminar	Title of the paper presented
(15)	J. K. Buch and P. J. Dave	XX Annual Conference of Association of Microbiologists of India, Nov. 1-3 (1979), Hissar.	"Mutagenicity of non-activated and activated aflatoxine on micro-organisms."
(16)	K. A. Patel	XX Annual Conference of Association of Microbiologists of India, Nov. 1-3 (1979), Hissar.	"Role of minerals in prodigiosin biosynthesis in <i>Serratia marcescens</i> ."
(17)	Bina Mehta and V. V. Modi	XX Annual Conference of Association of Microbiologists of India, Nov. 1-3 (1979), Hissar.	"Purification and characterization of Penicillin stimulated neutral protease from <i>B. trispora</i> ."
(18)	N. S. Govind, A. R. Amin and V. V. Modi	XX Annual Conference of Association of Microbiologists of India, Nov. 1-3 (1979), Hissar.	"Control of carotenogenesis in <i>B. trispora</i> by copper ions."
(19)	Smita Kaplia, N. N. Amin and V. V. Modi	XX Annual Conference of Association of Microbiologists of India, Nov. 1-3 (1979), Hissar.	"Kinetic properties of an extracellular amylase from a Psychrotrophic <i>Pseudomonas</i> ."
(20)	Prabha Acharya, A. K. Mattoo and H. S. Chhatpar	XX Annual Conference of Association of Microbiologists of India, Nov. 1-3 (1979), Hissar.	"Studies on 5'AMP nucleotidase from <i>N. crassa</i> ."
(21)	Anita Gupta	XX Annual Conference of Association of Microbiologists of India, Nov. 1-3 (1979), Hissar.	"Partial purification of inhibitor of FDP aldolase from <i>N. crassa</i> ."
(22)	C. S. Nautiyal, H. S. Chhatpar and V. V. Modi	XX Annual Conference of Association of Microbiologists of India, Nov. 1-3 (1979), Hissar.	"Role of some oxidative and dehydrogenase enzyme in nodules of <i>Trigonella foncum gracum</i> ."
(23)	H. B. Mehta, P. M. Patel and P. J. Dave	XX Annual Conference of Association of Microbiologists of India, Nov. 1-3 (1979), Hissar.	"Partial purification and properties of CTP cyclohydrolase from <i>E. ashbyii</i> ."

Sr. No.	Name of the Teacher	Name, Place and Date of the Conference/Seminar	Title of the paper presented
(24)	N. S. Govind, G. A. Pandya and V. V. Modi	XX Annual Conference of Association of Microbiologists of India, Nov. 1-3 (1979), Hissar.	"Control of trisporic acid synthesis in <i>B. trispora</i> ."
(25)	P. P. Gill, V. V. Modi and Sujarat Parikh	XX Annual Conference of Association of Microbiologists of India, Nov. 1-3 (1979), Hissar.	"Production of intracellular proteases by egg white in <i>A. nuddans</i> ."
(26)	K. Shailubhai, N. N. Rao and V. V. Modi	XX Annual Conference of Association of Microbiologists of India, Nov. 1-3 (1979), Hissar.	"Studies on certain physiological aspects of a hydrocarbon degrading pink pigmented yeast strain."
(27)	H. B. Mehta, A. Vashistha and V. V. Modi	XX Annual Conference of Association of Microbiologists of India, Nov. 1-3 (1979), Hissar.	"Regulation of riboflavin formation by phosphate in <i>E. ashbyii</i> ."
(28)	Dipak Vora and H. S. Chhatpar	XX Annual Conference of Association of Microbiologists of India, Nov. 1-3 (1979), Hissar.	"Microbial biodeterioration of cigarettes."
(29)	Meenakshi Razdan and H. S. Chhatpar	XX Annual Conference of Association of Microbiologists of India, Nov. 1-3 (1979), Hissar.	"Studies on biodeterioration of leather by fungi."
(30)	Sunita D'Souza, Ketan Shah, A. M. Dandekar and V. V. Modi	XX Annual Conference of Association of Microbiologists of India, Nov. 1-3 (1979), Hissar.	"Transduction of antibiotic resistance markers in <i>R. Japonisum</i> D 2 11."
(31)	K. A. Patel, Parul Vasa and P. J. Dave	XX Annual Conference of Association of Microbiologists of India, Nov. 1-3 (1979), Hissar.	"A bacteriocin produced by <i>E. coli</i> active on <i>S. marcescens</i> ."
(32)	J. K. Buch and P. J. Dave	XX Annual Conference of Association of Microbiologists of India, Nov. 1-3 (1979), Hissar.	"Some aspects of detoxification of aflatoxin."
(33)	A. G. Phatak and D. K. Shah	8th Annual Conference of Gujarat Statistical Association Jamnagar, 22-24 December, 1979.	"Determination of Single Three Class Attributes Sampling Plan based upon a Linear cost Model and Prior Distribution."



Sr. No.	Name of the Teacher	Name, Place and Date of the Conference/Seminar	Title of the paper presented
(34)	A. M. Parikh	Symposium on Inference and Design at Jaipur from 31-7-1979 to 8-8-1979.	"Investigation on Partially Duplicated Fractional designs."
(35)	M. M. Gandotra and Narayan Das	IV World Congress of Sexology, held at Mexico City, Mexico, 16-21 December, 1979.	"Interrelationship between Demographic Socio-Economic Variables and the After Effects of Sterilisation".
(36)	M. M. Gandotra and Narayan Das	A conference on Population Dynamics and Rural Development, organised by the Indian Association for the Study of Population, 28-30 December 1979, Powai, Bombay.	"Changes in Rural Fertility and Family Planning Practices over Decade."
(37)	Narayan Das	Seminar on Population Situation and Population Education, organised by Population Studies Cell, University of Udaipur, Udaipur, November 29-30, 1979.	"Some Aspects of Scheduled Caste and Scheduled Tribes in India."
(38)	A. S. Dey	Conference on Population Dynamics and Rural Development, organised by the Indian Association for the Study of Population, 28-30 December, 1979, Powai, Bombay.	"Wastage of Children in India."

(d) Talks given at different Universities/Institutions :

Sr. No.	Name of the Teacher	University/Institution	Subject of the Lecture
(1)	Prof. A. R. Mehta	Atomic Energy, BARC, Govt. of India, Feb. 27-29, 1980.	Physiological aspects of organ differentiation in vitro.

Sr. No.	Name of the Teacher	University/Institution	Subject of the Lecture
(2)	Prof. A. R. Mehta	67th Session of Ind. Sci. Congr., Calcutta, Feb. 1986.	Selection of Cell-lines of Medicinal Plants for increased Biosynthetic potential.
(3)	Prof. A. R. Mehta	67th Session of Ind. Sci. Congr., Calcutta, Jan. 31, 1980.	Twelfth Philip R. White Memorial Lecture :— "Some physiological aspects of morphogenesis in tissues grown in culture."
(4)	Dr. P. K. Bhattacharya	University of Hyderabad	Synthesis of macrocyclic ligands complexes through metal directed reactions.
(5)	Prof. V. M. Shah	16th Annual Conference of Gujarat Ganit Mandal held at Jamnagar, Nov. 1-2, 1979.	(i) Presidential Address "Mathematics Education". (ii) "Beyond Convergence".
(6)	Prof. V. M. Shah	67th Session of Indian Science Congress Association at Jadavpur University, Calcutta, Feb. 1-5, 1980.	"Periodic functions and convolution properties".
(7)	Dr. J. R. Patadia	16th Annual Conference of Gujarat Ganit Mandal held at Jamnagar, November 1-2, 1979.	"Lacunary Fourier Series."
(8)	Dr. P. P. Patel	Gujarat Mineral Development Corporation (To the trainee Foreman).	Exploration and Mining Geology : Two lectures.
(9)	Prof. V. V. Modi	Microbiology Deptt., Bhavan's College, 16th Jan., 1980.	Genes and proteins
(10)	Prof. V. V. Modi	Shivaji Univ., Kolhapur, 17th Jan. 1980.	Genes and proteins, "Ripening of Fruit's some problems."



Sr. No.	Name of the Teacher	University/Institution	Subject of the Lecture
(11)	Prof. V. V. Modi	Poona Univ., 18th Jan., 1980.	Microbial genetics and Applied Microbiology, Genes and proteins, "Ripening of Fruits" some problems.
(12)	Prof. V. V. Modi	Sardar Patel Univ., Vallabh Vidyanagar, 7th Feb. 1980.	Genes and proteins.
(13)	Prof. V. V. Modi	School of Life Sciences, Jawaharlal Nehru Univ. New Delhi, 17th March, 1980.	Microbial Genetics and Applied Microbiology.
(14)	Prof. V. V. Modi	Dept. of Biology, Gurunanak Deo Univ., Amritsar, 18th March, 1980.	Gene and proteins, Microbial genetics and Applied Microbiology.
(15)	Dr. M. Sreehari	V. S. Patel College of Arts and Commerce, Bilimora.	Some applications of the Laws of large numbers and the Central limit theorem.
(16)	Prof. R. Rajalaxmi	Medical College in Madras, Trivandrum and Madurai.	Nutritional Problems.

(e) Participation in Inservice Programme :

Sr. No.	Name of the Teacher	Programme, Place and Date	Capacity in which participated
(1)	Prof. C. H. Pathak	Committee on Science and its Social Relations. The Indian Science Congress Association, February, 1980.	Convener
(2)	Dr. P. P. Patel	Regional Training course in Methods and Techniques in Exploration Geophysics sponsored by the UNESCO by the Osmania University, Hyderabad. Awarded special Diploma in Exploration place, centre of Exploration Geophysics. Osmania University, Hyderabad 26-12-1979 to 7-2-1980.	Inservice participant, selected by the UNESCO Committee.

Sr. No.	Name of the Teacher	Programme, Place and Date	Capacity in which participated
(3)	Dr. G. T. Malpathak	Summer Institute Groundwater Resources Technology at Centre of Exploration Geophysics, Osmania University, Hyderabad from 11th June to 30th June, 1979.	Participant
(4)	Prof. V. M. Shah	UGC Seminar on "Sociology spaces and Applications in fluid dynamics" organised at Sardar Vallabhbhai Regional Engineering College, South Gujarat University, Surat, June 11-13, 1979.	Participant
(5)	Shri K. P. Joshi	UGC sponsored Summer Institute in "Numerical Analysis" organized at S. V. Regional Engineering College, South Gujarat University, Surat, May 14, 1979 to June 9, 1979.	Participant
(6)	Shri N. F. Patwa	UGC sponsored Summer Institute in "Numerical Analysis" organized at S. V. Regional Engineering College, South Gujarat University, Surat May 14, 1979 to June 9, 1979.	Participant
(7)	Dr. J. R. Patadia	Inservice Course in Methodology : Centre of Advanced Study in Education, M. S. University of Baroda, Baroda from 12-10-1979 to 26-10-1979.	Participant
(8)	Dr. J. G. Menon	Inservice Training Course in Methodology of Education Faculty 19-11-79 to 9-12-1979.	Participant.
(9)	Dr. (Kum.) R. V. Kinariwala	Inservice Training Course in Methodology of Education Faculty 19-11-79 to 9-12-1979.	Participant.



Sr. No.	Name of the Teacher	Programme, Place and Date	Capacity in which participated
(10)	Dr. P. V. Patel	Inservice Training Course in Methodology of Education Faculty 19-11-1979 to 9-12-1979.	Participant.
(11)	Dr. D. K. Shah	8th Annual Conference of Gujarati Statistical Association Jamnagar 22-24 December, 1979.	A talk on "Solving Multiobjective Transportation Problem".
(12)	Dr. D. M. Shringarpure	VIIIth Indian Colloquium on Micropalaeontology and stratigraphy, Baroda, February 14, 15, and 16, 1980.	Convener
(13)	Prof. (Mrs.) R. Rajalakshmi	Nestle Foundation Symposium. Lausanne, Switzerland, 1979.	Participant
(14)	Prof. (Mrs.) R. Rajalakshmi	UNESCO Symposium Austin, Texas 1979.	Participant
(15)	Prof. M. Sreehari	Workshop on Block Level Planning, Jyoti Consultants 5th and 6th Oct., 1979.	Participant
(16)	Professor C. V. Ramakrishnan	U.G.C. Seminar on Biochemical Teaching, Calcutta, 1979.	Key note address.

## (f) Awards :

Name of the Teacher	Description of the Award
(1) Dr. V. P. Bhatt	Hari Om Ashram Prize for active Research in the subject of Solid State Physics.
(2) Prof. V. V. Modi	Selected as a U.G.C. National Lecturer.

## 5. Faculty Publications :

Sr.No.	Name of the Journal	Editor	Month of Publication
	Statistical Summary of Medical Exam. Reports of the Students of the M. S. University of Baroda	Statistical Service Unit, Statistics Department, Faculty of Science	August, 1979.

## 6. Visitors :

Sr. No.	Name	Designation	Date/s of the visit
(1)	Dr. N. K. Dutta	Director, Research Section, Bhailal Amin Hospital, Baroda.	13-3-1980
(2)	Dr. B. P. Gothaskar	Officer-In-Charge, Biological Chemistry Division, C.R.I., Parel, Bombay.	12-1-1980
(3)	Dr. A. N. Bhisey	Cell Biology Division C.R.I., Parel, Bombay.	12-1-1980
(4)	Dr. Allen Garen	Dept. of Molecular Biophysics and Biochemistry, Yale University, Connecticut, U.S.A.	17-14-1979
(5)	Dr. V. N. Iyer	Carleton Univ. Ottawa, Canada	24-12-1979
(6)	Prof. C. H. Suelter	Michigan State University, East Lansing, U.S.A.	13-9-1979
(7)	Prof. A. K. Shah	Professor of Geology, Calcutta	15-12-1179
(8)	Dr. Satyamurty	Head, Solid State Physics, BARC, Trombay.	22nd and 23rd Feb., 1980.
(9)	Mr. A. Thakur	Systems Analyst Operations Research Group, Baroda.	6-9-1979 to 12-9-1979
(10)	Mr. S. K. Nandi	Systems Manager, Operations Research Group, Baroda	3-9-1979 and 4-9-1979
(11)	Mr. B. V. Suryakumar	Manager—Information Services, Sarabhai Chemical Premises, Wadi Wadi, Baroda.	13-9-1979 and 14-9-1979.
(12)	Dr. Vij	Mathematician, Jyoti Ltd., Baroda.	17-9-1979 to 18-9-1979.
(13)	Prof. J. Roy	Head, Computer Centre I.S.I., Calcutta.	26-2-1980.



# CHAPTER IX-(A)—FACULTY OF EDUCATION AND PSYCHOLOGY

## 1. Courses of Studies

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

## 2. Number of Students

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

(a) Degree :		Men	Women	Total
(i)	B.Ed.	60	145	205
(ii)	S.Y.B.A. (Psychology)	14	45	59
(iii)	T.Y.B.A. (Psychology)	20	61	81
Total (a)		94	251	345
(b) Post-graduate Degree :				
(i)	M.Ed. (Full-time)	7	8	15
(ii)	Jr. M.Ed. (Part-time)	19	9	28
(iii)	Sr. M.Ed. (Part-time)	26	7	33
(iv)	M.A.—Part I (Psychology)	9	13	22
(v)	M.A.—Part II (Psychology)	—	11	11
Total (b)		61	48	109
(c) Doctorate :				
(i)	Ph.D. (Education)	13	8	21
(ii)	Ph.D. (Psychology)	1	2	3
Total (c)		15	10	24
Grand Total		169	309	478

## 3. Staff

### (a) Present Position :

During the year the staff of the Faculty (including CASE) consisted of 3 Professors, 9 Readers, 22 Lecturers, 17 Class III and 10 Class IV employees.

### (b) Teachers appointed to Higher Posts :

(1) Professor P. K. Dongre	Professor and Head, Department of Educational Administration
(2) Dr. (Smt.) N. A. Shelat	Reader in Education (CASE)
(3) Dr. J. J. Gajjar	Reader in Education
(4) Dr. R. Govinda	Reader in Education (Mathematics)

### (c) Teachers who left the University :

(1)	Dr. J. A. Bhagatwala	Lecturer in Education	Retired
(2)	Dr. (Kum.) M. S. Padma	Lecturer in Education	Resigned

## 4. Professional Growth of the Staff

### (a) Published Articles/Papers :

Sr.No.	Name	Title	Name of the journal wherein published with month of publication
(1)	Prof. P. K. Dongre	Developing Programmed Learning Material on English	National Journal of Education—June, 1979.
(2)	Prof. M. S. Yadav	(i) Educational Research—A perspective in BUCH, MB—Second Survey of Research in Education.	(i) SERD, Baroda 1979.
		(ii) Learning through Seminars—An Experience	(ii) Indian Educational Review, Vol. 14, No. 3, July, 1979.
		(iii) Modernising Instruction in Mathematics at the Secondary School Level	(iii) Proceedings of the Educational Technology International Conference, 1980, U.K.
(3)	Dr. D. C. Joshi	(i) The Rural Institute—A failure of an innovation	(i) University Administration, Vol. V, No. 2, 1979.
		(ii) Research in Higher Education	(ii) University Administration, Vol. V, No. 1, 1979.
(4)	Dr. (Miss) M. M. Shah	Science Education—Objectives	Experiments in Education, Vol. 7, No. 7, Sept., 1979.
(5)	Dr. D. R. Darji	(i) Research in Curriculum (ii) A Study of Innovative Proneness of Teacher Educators	Journal of the Institute of Educational Research, January, 1980.
(6)	Dr. B. R. Panchal	A Study of Innovative Proneness of Teacher Educators	Journal of the Institute of Educational Research, January, 1980.



Sr. No.	Name	Title	Name of the Journal wherein published with month of publication
(7)	Dr. S. D. Joshi	Sociology of Education—A Trend, Report	Second Survey in Research in Education, November, 1979.
(8)	Mr. M. B. Menon	(i) Educational Research—A perspective (ii) Programmed Instruction Teaching Science in New Perspective (iii) Development of Scientific attitude through the teaching of science.	(i) Second Survey of Research in Education, Nov., 1979 (ii) A Journal of Indian Education, Vol. 5, No. 1, 1979. (iii) Education Quarterly Vol. XXXI, 1979.
(9)	Dr. (Miss) J. A. Christian	(i) A Study of Socio-Economic Status Variables (ii) A Study of Achievement Motivation and its related variable	(i) Progress in Education, Poona, Sept., 1979. (ii) Asian Journal of Psychology and Education, Oct., 1979.
(10)	Dr. Z. M. Quraishi	The Nature and Concepts of regression analysis and Prediction	Quest in Education Oct., 1979.

## (b) Published Books and Brochures :

Sr. No.	Name of the Author/s	Name of the Book	Name of the Publishers
(1)	Prof. D. B. Desai and Dr. Amita Govinda	Studies in Achievement Motivation—Towards Psychological Education	Centre of Advanced Study in Education.
(2)	Prof. D. B. Desai, Dr. C. D. Joshi, Dr. Neela Shelat and Dr. Piloo Buch	School Management and Change	Centre of Advanced Study in Education.
(3)	Prof. D. B. Desai, Dr. M. S. Padma, Dr. S. M. Joshi and Miss T. K. Sundaralakshmi	"Researches in Classrooms"	Centre of Advanced Study in Education March, 1980.

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

Sr. No.	Name of the Teacher	Name, Place and Date of Seminar/Conference	Title of the paper presented
(1)	Prof. D. B. Desai	(i) Researches in Class Room, Centre of Advanced Study in Education, M. S. University, 26th Feb., 1980 (ii) 27th Feb., 1980 (iii) 27th Feb., 1980 (iv) All India-Short Term Institute on Methods of Teaching and Evaluation, for College Teachers, CASE, Nov.-Dec., 1979	"Classroom as a growth centre". "Basic Nature of Motivation". "Motivation development in Class-room". "Motivation".
(2)	Dr. (Mrs.) Piloo Buch	25th Feb., 1980	"Classroom—A Socio-Psychological perspective".
(3)	Dr. D. B. Desai/ Mr. S. Kumar/ Lakshi/S. Joshi	25th Feb., 1980	"Teacher behaviour-concept and demonstration".
(4)	Mr. S. Kumar	26th Feb., 1980	"Questioning behaviour".
(5)	Dr. S. Roy	26th Feb., 1980	"Teacher behaviour Researches at Centre of Advanced Study in Education.
(6)	Dr. Sneha Joshi	(i) 26th Feb., 1980 (ii) 27th Feb., 1980	(i) Micro-teaching-concept and Demostration. (ii) Micro-teaching-Research at Centre of Advanced Study in Education.
(7)	Dr. (Miss) M. M. Shah	27th Feb., 1980	"Strengthening Student Teaching Programme".



Sr. No.	Name of the Teacher	Name, Place and Date of Seminar/Conference	Title of the paper presented
(8)	Dr. Jyoti Christian/Prof. D. B. Desai	27th Feb., 1980	Motivation Researches at Centre of Advanced Study in Education.
(9)	Dr. (Miss) M. Gon and Antony Kalapur	The Joint Conference of the Indian Association of Clinical Psychology, Indian Psychiatric Society, Indian Society for Psychiatric Soc. Workers and Neurological Society of India, at the National Institute of Mental Health and Neuro Sciences, Bangalore, Dec., 1979	"An Investigations in to Certain personality Patterns in Juvenile Delineprents".
(10)	Miss Lakshmi	28th Feb., 1980	Class-room Climate concept and Researches at Centre of Advanced Study in Education.
(11)	Dr. (Miss) M. Gon	The Special Convention of the Indian Psychological Association (To Celebrate the International Year of the Child, Punjab University	"Perception of Moral Behaviour: Toward an Ecological Developmental Approach".
(12)	Prof. P. K. Dongre	All India Short-Term Institute in methods of Teaching and Evaluation for College teachers, Centre of Advanced Study in Education, M. S. University of Baroda, Baroda (19-11-1979 to 7-12-1979)	(i) How do I Lecture? (ii) University Administration & Teaching. (iii) Concepts of Autonomous College. (iv) What do I get from such Seminars?

(d) Talks given at different Universities/Institutions :

Sr. No.	Name of the Teacher	University/Institutions	Subject of the Talk
(1)	Prof. D. B. Desai	(i) Kurukshetra College of Education	Research in class-room Education

Sr. No.	Name of the Teacher	University/Institutions	Subject of the Talk
		(ii) Kurukshetra University Department	Management and change Motivating pupils and in classroom.
		(iii) College of Education Ambala	Life in classrooms.
		(iv) Regional College Bhubaneswar, Orissa	(a) Life in classroom. (b) Achievement Motivation.
		(v) Radhanath Training College, Cuttack	Renewal in Class-rooms.
		(vi) Calicut University	Discussion on Education.
		(vii) Alembic Vidyalaya, Baroda	Motivation and Communication.
(2)	Prof. P. K. Dongre	(i) Theosophical and Philosophical Society, Baroda	Education of a Child.
		(ii) Shivaji College of Education, Amravati	Student Teaching Programme.
		(iii) Amrutam Trust, Bhagvat Vidyapeeth, Ahmedabad	Organisation of Management of Education.
		(iv) Municipal School, Baroda	Role of a Teacher in the Society.
		(v) Shivaji College of Agriculture, Amaravati (27-12-1979)	National Problem of Education.
		(vi) Department of Education O. S. V. University, Tirupati, (25-1-1980)	Researches in Education.
(3)	Dr. J. J. Gajjar	Basil School, Baroda	Basic Principles of Guidance and Counselling.
(4)	Dr. B. R. Panchal	(i) Unnati Vidyalaya, Godhra	Assignment Approach to Teaching.
		(ii) S. R. High School, Devgad Baria	Assignment Approach to Teaching
		(iii) S. M. Kanya Vidyalaya, Chhota Udepur	Assignment Approach to Teaching.
		(iv) S. N. Patel Kanya Vidyalaya, Chhota Udepur	Preparation of Unit Tests.
(5)	Dr. Piloo Buch	M. R. Dalal College of Education, Ahmedabad	Educational Problems of our children.



## (c) Participation in Inservice Programme :

Sr. No.	Name of the Teacher	Programme, Place and Date	Capacity in which participated
(1)	Prof. D. B. Desai	(i) Centre for the Advance Study of Education Researches on Teaching at Rashtria Vidyalaya Teachers' College, Bangalore—26-29th October, 1979	Director.
		(ii) Institute on Methods of Teaching and Evaluation for lectures of India at Centre for the Advance Study of Education—19th Nov. to 9th Dec., 1979	Director.
		(iii) State Institute of Education, Ahmedabad—Seminar on 'New Pattern of Extension Centres in Gujarat' the new changes	Resource Person.
		(iv) Seminar on 'Better Classrooms for future' at Convent School, Nagpur, from 12th to 14th August, 1979.	Resource Person.
		(v) Teacher Training Institute for Tribal Teachers—Seminar on CASE Researches for Effective Classroom Teaching Hazaribagh, Bihar, May, 1979	Director.
(2)	Prof. P. K. Dongre	National Institute of Higher Education, CASE, Baroda	Resource Person.
(3)	Dr. (Miss) M. M. Shah	All India Short Term Institute on Methods of Teaching and Evaluation for College Teachers at Centre for the Advanced Study in Education, Baroda, 22nd Nov. to 7th Dec., 1979	Resource Person.
(4)	Dr. G. R. Sudame	All India Short Term Institute on Methods of Teaching and Evaluation for College Teachers at Centre for the Advanced Study in Education, Baroda, 22nd Nov. to 7th Dec., 1979	Resource Person.
(5)	Dr. (Mrs.) N. A. Shelat	(i) Seminar on "Ju, amosomg Industry at Broach" on 14th Oct., 1979	Resource Person.

Sr. No.	Name of the Teacher	Programme, Place and Dates	Capacity in which participated
		(ii) Institute of Higher Education at Centre for the Advanced Study of Education Baroda during 19th Nov. to 9th Dec., 1979	Resource Person.
(6)	Dr. J. J. Gajjar	All India Short Term Institute on Methods of Teaching and Evaluation for College Teachers at CASE, Baroda, 26th Nov. to 7th Dec., 1979	Resource Person.
(7)	Dr. D. R. Darji	All India Short Term Institute on Methods of Teaching and Evaluation for College Teachers at CASE, Baroda, 26th Nov. to 7th Dec., 1979	Resource Person.
(8)	Dr. B. R. Panchal	(i) Seminar on Audio-Visual Education at D.E.O. Office, Baroda, on 7th Dec., 1979	Participant.
		(ii) State level seminar for Hon. Director and Coordinator of Extension Service Centres at D. D. Chokshi College of Secondary Education, Palanpur from 12th Dec. to 14th Dec., 1979	Participant.
(9)	Dr. (Smt.) P. B. Dekhta-wala	Seminar on Renewal of Self, Classroom and School, at Convent School, Nagpur, from 12th to 14th August, 1979	Participant.

## (5) Centre of Advanced Study in Education

The following are some of the activities of the Centre of Advanced Study in Education:

## (a) National Seminars :

- (1) "Case Researches—A perspective" (2nd July to 14th July, 1979) for CASE staff members—77 members participated in it.
- (2) All India Short Term Institute on Methods of Teaching and Evaluation for College Teachers. (19th November to 9th December, 1979) twenty lecturers from various parts of India attended also 29 lecturers of MSU (February 25th to 29th, 1980).
- (3) Researches in classroom, forty-five participants attended from all parts of India. CASE staff also attended.



(b) *National Guest Lecture series :*

A series of lectures on topics of relevance and related to Educational Research was organised by the Centre of Advanced Studies in Education, under the National Guest Lecture series.

Name	Designation	Subject
(1) Prof. S. C. Mishra	Head, Dept. of History	History, Education and Life.
(2) Prof. A. B. L. Srivatsava	Head, Survey and Data Processing unit NCERT, New Delhi	The Problem of Sampling in Educational Research.
(3) Prof. V. Natarajan	Director, Research Cell Association of Indian Universities, New Delhi	Internal Assessment and Semester System.

(c) *Interdisciplinary Lectures :*

The following lectures were delivered by persons for different Departments of the M. S. University.

- (1) Prof. C. V. Ramakrishnan, Head, Dept. of Biochemistry, "Importance of Biochemistry in life."
- (2) Prof. R. N. Mehta, Head, Dept. of Indian History and Culture, "Latest Trends in Indian History, Culture and Archaeology in relation to Life and Education."
- (3) Prof. V. H. Bedekar, Head, Dept. of Museology : "Latest trends in Museology."

(d) *Regular Seminars :*

Over 26 seminars were conducted under the bi-weekly Seminar, which is the regular feature of the Centre.

- (e) The following Extra Mural lectures were arranged for the benefit of B.Ed. students.

Name	Designation	Subject
(1) Shri S. C. Parikh	Retired Lec., Faculty of Education and Psychology, M. S. University, Baroda.	Home School relations in Administration
(2) Shri B. S. Kelkar	Principal, M. P. High School, Jarod.	Concept and framing of syllabus of secondary schools of Gujarat State.

Name	Designation	Subject
(3) Shri V. T. Mujamdar	Principal, O.N.G.C. School, Baroda.	Expectations of Teachers after B.Ed.
(4) Dr. A. D. Patel	District Education Officer, Baroda.	Secondry Education Act

(f) *Publications :*

The following Monographs and books were published during the current year:

- (i) "School Management and Change" by Prof. D. B. Desai, Dr. D. C. Joshi, Dr. Neela Shelat and Dr. Piloo Buch.
- (ii) A monogrpqh on "Researches in classroom," by Prof. D. B. Desai, Dr. M. S. Padma, Dr. S. M. Joshi and Miss T. K. Sundralakshmi.

(g) *Visitors :*

The list of Visitors is given in section (9).

6. *Department of Extension Services :*

During the year, the Dept. of Extension Services, organised seminars, workshops, summer school, winter school, orientation courses, lectures and conferences fulfilling the needs and the demands of the schools of four districts. (Baroda, Panchmahal, Valsad and Surat). The coordinator of the dept. conducted five seminars, five group discussions, delivered 6 talks and organised 2 exhibitions. The participants at different places included Principals, Teacher Educators, Teachers, B.Ed. and High School students of Baroda and Panchmahal districts.

## The Themes were :

- (1) Socially useful.
- (2) Instructional Material for Std. X.
- (3) New Secondary School Curriculum.
- (4) Evaluation of the assignment approach teaching.
- (5) Educational Administration problems in Schools.

7. *Library :*(a) *Particulars*

## Number

- (1) Average number of students making use of the Library and/or the reading room daily. 350 to 410
- (2) Average number of teachers making use of the library and/or reading room daily. 25



(3) Total number of books issued to students about 27,375 during the year

(4) Total number of books issued to teachers about 10,000 during the year.

(b) Particulars	Number	Cost Rs. P.
(1) Books (including back numbers of journals as on 1-4-1979)	12,395	34,982-83
(2) Books added during the year	815	9,379-56
(3) Books as on 31-3-1980	13,210	
(4) Journals subscribed during the year	19 (Foreign) 20 (Indian)	

#### 8. Faculty Publications :

Sr. No.	Name of the Journal	Name of the Editor/s	Month of publication
1.	CASE—News Letter	(i) Dr. Madhu Shah (ii) Dr. Neela Shelat (iii) Mr. Ramkrishan (iv) Dr. Jyoti Christian (v) Mr. Manohar Deshmukh (vi) Mr. Derek Sequeira	Quarterly

#### 9. Visitors

Sr.No.	Name	Designation	Date/s of Visit
(1)	Prof. B. C. Kar	Professor of Education (Rtd.) Gauhati University, Assam	21st July, 1979
(2)	Prof. K. G. Desai	Director, School of Education, Psychology and Philosophy, Gujarat University, Ahmedabad	6th August, 1979
(3)	Prof. Ross	Pro-Vice-Chancellor, University of Lancaster, U.K.	21st August, 1979
(4)	Prof. A. B. L. Srivastava	Head, Survey and Data Processing Unit, NCERT, New Delhi	26th-29th November, 1979
(5)	Prof. V. Natarajan	Research Cell, Association of Indian Universities, New Delhi	27th and 28th Nov., 1979

Sr.No.	Name	Designation	Date/s of Visit
(6)	Prof. Bennett	Director, Centre for R.N.D. Lancaster, U.K.	20th and 21st August, 1979
(7)	Prof. M. B. Buch	Head (Rtd.), CASE, Baroda	4th and 5th Jan., 1980
(8)	Prof. C. H. K. Mishra	Head, Department of Non-Formal Education, NCERT	15th to 18th January, 1980
(9)	Prof. S. K. Mitra	Director of NCERT, New Delhi	23rd February, 1980
(10)	Prof. Ramchandra Rao	Vice-Chairman, U.G.C., New Delhi	24th February, 1980
(11)	Prof. R. S. Trivedi	Vice-Chancellor, Bhavnagar University, Bhavnagar	28th Feb., 1980
(12)	Prof. R. Rath	Professor of Psychology, Utkal University, Bhubaneswar	18th March, 1980
(13)	Prof. C. L. Anand	Professor of Education, N.E.H. University, Shillong	18th March, 1980
(14)	Prof. Pratibha Deo	Professor of Education, Bombay University, Bombay	18th March, 1980



## CHAPTER IX (B)—UNIVERSITY EXPERIMENTAL SCHOOL

### 1. Courses of Studies :

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

### 2. Number of Students :

	Boys	Girls	Total
(1) Primary I to VII	209	126	335
(2) Secondary VIII to X	94	68	162
(3) Higher Secondary XI and XII	154	116	270
	457	310	767

### 3. Staff :

#### (a) Present Position :

The staff of the school consisted of 3 Post-graduate untrained teachers, 9 Post-graduate Trained Teachers, 4 Graduate Trained Teachers, 1 Graduate untrained teacher, 5 other teachers, 2 Laboratory Co-ordinators, 1 Librarian, 1 Senior Clerk and 1 Junior Clerk and 7 Class IV employees.

#### (b) New Appointments :

Name	Designation	Date
(1) Miss Ninaben R. Desai	Laboratory Co-ordinator	6-7-79
(2) Miss Navsariwala Fatima S.	Higher Secondary Teacher	26-11-79

#### (c) Teacher who left the School :

(1) Saryuben D. Desai	Resigned
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### 4. Professional Growth of the Staff :

#### (a) Participation in Workshop/Seminars/Inservice Programmes :

Name	Seminar	Resource person
1. Shri M. M. Amin	(a) Seminar-Cum-Workshop for Std. VIII Science Teacher of Panchmahal, Broach Baroda and Kaira districts for	Resource person

Name	Seminar	Resource person
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Planning and testing of units from 11th November to 13th November, 1979. It was organised by the Extension Department of the Faculty of Education and Psychology, Baroda.

(b) Seminar-Cum-Workshop for teachers of Std. X Com. Arith. from Panchmahal, Dist. Devgarh Baria from 8th to 10th December, 1979 participated as a Resource Person.

(c) Seminar-Cum-Workshop for Std. X Maths. teachers at Chhotaudepur from 29th to 30th December, 1979 participated as Resources person.

(d) Seminar on New syllabus in Science of Std. VIII to X organised by Extension Department of the Faculty of Edu. and Psy, Baroda from 22nd to 23rd March, 1980 participated as a Resource Person.

### 5. Experiments and Activities :

#### (1) Projects :

Class	Project	Subject
(a) Std. V, VI, VIII and IX	Morvi Disaster	Social Studies
(b) Std. VIII	Charts	English
(c) Std. IX	Australia & Africa	Social Studies

(2) School children presented a unique programme of 'Antakadi' in Rang Rang Vadalia on All India Radio, Vadodara for the first time in the History of the Radio Station.

(3) A mini-play 'Kallu-Ballu' directed by Kum. Nildhara Desai was filmed at the Television Studio, Ahmedabad.

(4) Two mini-plays were presented by our school children 'An Ghen Divaghen' on T.V. to celebrate the International Year of the Child.



(5) A group of two teachers Shri S. R. Patel and Shri C. R. Patel with twelve pupils visited Morvi and distributed bed-sheets worth Rs. 1,400/- medicines, and seven hundred pairs of garments to the pupils affected by the disaster.

#### 6. Results of Examinations :

(1) The result of the New S.S.C. Examination, 1979, was 81.48% Chi. Himanshu M. Shah obtained 85% of Marks. He stood first in Vadodara and Second in Gujarat. He got (1) a prize of Rs. 475 for getting the highest marks in Mathematics, (2) a Prize of Rs. 475/ from Khushalchand Charity Trust and (3) Prize of 150/- of Shikshan Vikas. Chi. Neha Parikh got the third prize of Rs. 50/- in Typewriting.

(2) The result of the Higher Secondary Commerce Stream was 77%  
 and Arts Stream 50%  
 Science Stream 82.5%

(3) Gujarat Vidyapith Hindi Examinations :

(a) Balpothi	93.7%
(b) Paheli	70.5%
(c) Dusari	48.7%
(d) Tisari	20.0%
(e) Vinit	33.3%

(4) English Exam. held by Bhartiya Vidya Mandal, Surat.  
 Primary First Grade and Second Grade 96%.

(5) Shista Vachan Exam. 100%.

#### 7. Awards and Prizes :

(1) Awards in Fine Arts :

Chi. Hitesh K. Rana of Std. X won a prize and Chi. Dipti Patel of Std. VIII, Chi. Bankim B. Patel of Std. VIII, Chi. Arif I. Malek of Std. VIII got merit certificates in Shankar's International Child Art Competition.

(2) Awards in Sports :

(a) Chi. Bhadresh Jhaveri stood first in Shri Hari Om Swimming Competition.

(b) Chi. Ami Mehta of Std. XI Common won a prize in Table Tennis and Chi. Bhadresh Jhaveri of Std. XI Common won a prize in Swimming Competition organised by Sharad Ramatotsav. of Gujarat State.

(c) Chi. Bhadresh Jhaveri of Std. XI Common stood first in free style Sankar Trophy Swimming Competition organised by Banyan City Jaycees.

(d) The following pupils got prizes at the Sharad Ramatotsav.  
 First—Chi. Paulomi Patel (Std. IX) Long Jump.  
 Second—Chi. Paulomi Patel (Std. IX) Two hundred meters running.

Third—Chi. Dipti Patel (Std. VIII) Two hundred meters Running and High Jump.

(e) Chi. Shanti Pillai of Std. XII Common got a merit certificate for getting second rank in winter sports festival organised by the State Council of Sports and Gujarat State Women's Hockey Association, at State level.

(f) The following pupils got prizes in Baldin Ramatotsav First,  
 Chi. Arpana Patel (Std. VI) 50 meters running race.  
 Second, Chi. Aparna Patel (Std. VI) one legged race.  
 Second, Chi. Alpesh Jhaveri (Std. IV) long jump,  
 Third, Chi. Siddharth Patel (Std. VII) High Jump.

(g) Chi. Jignasu Patel (Std. IX) and Chi. Dipti Patel (Std. VIII) were declared as School Champions in the Annual Sports Festival of the School.

#### 3. Awards in Debate and Essay Competitions :

(a) Chi. Trupti T. Shah of Std. XII Common won the Second Prize in Vasant Rajat Elocution Competition.

(b) Chi. Bhamini Upadhyaya of Std. IX won the first prize and Chi. Smita Jani of Std. IX won the third prize as well as the rolling shield in the elocution competition organised by Alkapuri Banyan Jaycees.

(c) Chi. Rupen Mehta of Std. X got a merit certificate in Elocution Competition in Science organised by Acharya Shri K. C. Desai Vidya Uttejan Trust, Secondary School, Baroda.

(d) Chi. Paresh B. Shah (Std. IX) won the first prize in the Elocution competition (Junior) organised by Secondary Teachers Association. Chi. Smita R. Jani (Std. IX) won the Second prize and Chi. Trupti T. Shah won the First prize in the elocution competition (Senior).

(e) Chi. Paresh B. Shah (Std. IX) got first prize and Chi. Smita R. Jani (Std. IX) got second prize in the elocution competition organised by Banyan City Jaycees. The school was given a rolling shield.



- (f) Chi. Amit Thakkar (Std. VIII) and Chi. Smita R. Jani (Std. IX) won prizes in the elocution competition organised by Soclean on 'Pollution'.

### 8. Visitors :

Name	Subject of the Talk
(1) Shri Swami Atmanandji	Science and Religion
(2) Shri Nirayanbhai Acharya	Social Reform and Astronomy
(3) Smt. Sarojben Pathak	Literary form of short story
(4) Shri H. P. Joshi	Study of English
(5) Shri Chhotubhai Bhatt	Importance of Sports.

## CHAPTER X—FACULTY OF COMMERCE

### 1. Courses of Studies

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

### 2. Number of Students

The class-wise distribution of students during the year 1979-80 was as under:

Class	Men	Women	Total
(1) Diploma in Co-operation ( Under-graduate )	21	2	23
(2) F.Y.B.Com.	822	531	1353
(3) S.Y.B.Com.	733	425	1158
(4) T.Y.B.Com.	573	337	910
(5) M.Com.—Part I	159	50	209
(6) M.Com.—Part II	84	19	103
(7) Ph.D.	3	1	4
(8) Post-graduate Diploma in Banking	39	21	60
(9) Post-graduate Diploma in Co-operation	24	5	29
	2458	1391	3849

### 3. Staff

The staff of the Faculty consisted of 4 Professors, 9 Readers, 18 Lecturers, 14 Class III and 23 Class IV employees.

### 4. Professional Growth of the Staff

(a) Papers presented at All India Level Seminars/Conference etc. :

Sr. No.	Name of the Teacher	Name, Place and Date of the Conference/Seminar	Title of the paper presented
(1)	Dr. K. R. Shah	( i ) Eleventh Gujarat Economic Conference, Bhavnagar, 10th and 11th Nov. 1979	Poverty in Gujarat—A Conceptional Analysis.
		( ii ) All India Seminar on Unit Cost of Higher Education, 13-15 Nov., 1979, Pune	Unit Cost of Institute of Higher Education in India.
(2)	Dr. C. S. Rathod	Second National Seminar on Banking, Nov., 1979 Baroda	Peoples' Bank policy, frame for Development in India.
(3)	Dr. D. R. Shah	( i ) Gujarat Economics Conference, Nov., 1979 Bhavnagar	Rural Poverty, Employment and Role of Dairy Industry.



Sr. No.	Name of the Teacher	Name, Place and Date of the Conference/Seminar	Title of the paper presented
		(ii) XVIth All India Dairy Industry Conference held at Pune, 8, 10 March, 1980	Factors affecting Milk Procurement; A case of Gujarat Cooperative Dairy Plant.
		(iii) National Seminar on Employment, Levels of Timing and Public Policy, S.P. Institute, Ahmedabad	An estimate of Employment and Income General by a Modern Dairy Plant.
		ICSSR, New Delhi on 27, 29 March, 1980	A case of Rural Dairy Plant.

(b) Lectures given at different University/Institutions :

Sr. No.	Name of the Teacher	University/Institution	Subject of the Lecture
(1)	Prof. H. P. Chokshi	Vivekanand Commerce College, Ahmedabad	Foreign Trade and Economic Development.
(2)	Prof. G. C. Beri	(i) Department of Business and Industrial Management, South Gujarat University, Surat	Research and Development Activity in India.
		(ii) P.G. Department of Commerce, Sardar Patel University, Vallabh Vidyanagar	Sickness of the Cotton Textile Industry in India.
		(iii) P.G. Department of Commerce, Sardar Patel University, Vallabh Vidyanagar	Research and Development in Indian Industry.
(3)	Dr. S. Sri-kantiah	(i) Sardar Patel Institute of Economic and Social Research, Ahmedabad	Techniques of Employment Planning.
		(ii) Railway Staff College, Baroda	The New Industrial Relations Bill and the Industrial Relations.
		(iii) Calico Mills Executive Development Programme	Dynamics of Industrial Relations.
(4)	Dr. (Mrs.) B. H. Elavia	(i) College of Agricultural Banking, Reserve Bank of India, Poona	Viability of Rural Bank Branch.
		(ii) V. M. National Institute of Cooperative Management, Poona	Role of Land Development Banking in providing Long Term Finance.

(c) Other Outstanding Activities :

Reserve Bank of India Research Cell :

The Reserve Bank of India Research Cell sponsored by the Reserve Bank of India in the Department of Banking and Business Finance, was inaugurated on 12th November, 1979 by Dr. I. G. Patel, Governor, Reserve Bank of India. The Second National Seminar on Banking was organised by the Department of Banking and Business Finance to mark the occasion. The Seminar was sponsored by the University Grants Commission. Papers presented at the Seminar are being published in two volumes.

The Cell has completed the following research study:

Commercial Banks and the Urban Poor.

A study into the efficiency of 82 schemes of commercial banks implemented by these banks since 1972 for improving the economic and social conditions of the people belonging to the Urban poor category. The final draft of the report is being prepared and will be completed by the end of July, 1980.

Work on the following Projects is being done in the Cell :

- (i) Profitability model in Commercial Banks in India.
- (ii) A Study of the Causes of Unit Sickness in S.S.I. Sector.
- (iii) Experience of Regional Rural Bank in Financing non-farm activity in Rural Areas.



## CHAPTER XI—FACULTY OF MEDICINE

### (A) MEDICAL COLLEGE

#### 1. Courses of Studies :

- (a) The courses of studies remained the same as in the previous year.  
(b) New course introduced during the year was M.D. in Skin V.D.

#### 2. Number of Students :

##### (1) Degree :

	Male	Female	Total
( i ) Ist Year	114	28	142
( ii ) 2nd Year	177	29	206
( iii ) 3rd Year	137	27	164
( iv ) 4th Year	114	20	134
( v ) 5th Year	136	29	165
Total	678	133	811

##### (2) Post-graduate Diplomas :

	Male	Female	Total
( i ) D.A.	83	6	89
( ii ) D.C.P.			
( iii ) D.G.O.			
( iv ) D.L.O.			
( v ) D.M.R.D.			
( vi ) D.O.			
( vii ) D.C.H.			
( viii ) T.D.D.			
( ix ) D.V.D.			
Total	83	6	89

##### (3) Post-graduate Degrees :

	Male	Female	Total
( i ) M.D.	81	9	90
( ii ) M.S.			
( iii ) M.Sc.			
( iv ) Ph.D.			
Total	81	9	90
Grand Total	842	148	990

#### 3. Staff

##### (a) Present Position :

The staff of the College consisted of 1 Dean, 26 Professors, 6 Associate Professors, 51 Assistant Professors, 44 Tutors, 11 Other Gazetted Teachers, 4 Part-time Tutors, 4 Part-time Assistant Professors, 3 Full-time Surgeons/Physicians, 115 Class III, and 102 Class IV employees.

##### (b) New Appointments :

(1) Shri T. K. Dass	Tutor in Anatomy
(2) Dr. D. A. Trivedi	Tutor in Physiology
(3) Dr. L. K. Amin	Tutor in Pathology
(4) Dr. A. B. Arte	Tutor in Pathology
(5) Dr. D. D. Giri	Tutor in Pathology
(6) Dr. T. Rajgopal	Tutor in Preventive and Social Medicine
(7) Dr. (Smt.) M. P. Bhatt	Assistant Professor in Obstetrics and Gynaecology
(8) Dr. L. N. Chauhan	Tutor in Obstetrics and Gynaecology

##### (c) Teachers Upgraded to Higher Position :

(1) Dr. S. K. Dube	Associate Professor in Anatomy
(2) Kum. J. Kristie.	Assistant Professor in Anatomy
(3) Dr. (Smt.) Y. R. Premlatha	Assistant Professor in Pathology
(4) Dr. R. S. Tiwari	Assistant Professor in E.N.T.

##### (d) Teachers who Left the College :

(1) Dr. P. S. Gupte, Professor in Anatomy	Retired
(2) Dr. S. C. Patel, Assistant Professor in Pathology	Resigned
(3) Dr. M. P. Patel, Tutor in Radiology	Resigned
(4) Dr. D. H. Trivedi, Professor in Preventive and Social Medicine	Retired

Activities of newly established and special type of Centres/Units in the Faculty—I.C.C. Unit.

#### 4. Shri Sayaji General Hospital :

Attached to Shree Sayaji General Hospital, were the following units where Clinical instructions are imparted : six Medical; six Surgical; four Obstetrics and Gynaecology; two Pediatrics, one Dental, one E.N.T.; three Orthopaedics; one Anaesthetic and one Psychiatric, one Skin V.D.; one Plastic Surgery; two C. T. Surgery; and two Ophthalmology. The students were posted under these units for their clinical training. The total bed strength was 944, Average daily



in-patient attendance and O.P.D. attendance for the year 1979-80 was 1342.00 and 1835.00 respectively.

The Hospital has a (newly established) special type of Unit, Intensive Coronary Care (I.C.C.).

#### 5. The School of Physiotherapy :

The School offered the degree, Bachelor of Physiotherapy. 61 students were enrolled during the year. The staff of the School consisted of 2 Lecturers, 12 Clinical Supervisors, 2 Class III and 1 Class IV employees.

The Professional activities of the Staff during the year were as under :

Sr. No.	Name and designation of the teacher	Name, Place and Date/s of the Conference
(1)	Shri J. Gohel, Lecturer in Physiotherapy	Conference of the Indian Association of Physiotherapists, Delhi, 7th to 11th March, 1980.
(2)	Shri C. G. Padale Lecturer in Physiotherapy	Conference of the Indian Association of Physiotherapists, Delhi, 7th to 11th March, 1980.
(3)	Miss K. J. Patel Physiotherapist	Conference of the Indian Association of Physiotherapists, Delhi, 7th to 11th March, 1980.

#### 6. Library :

Details regarding the use of the Library and Reading Room, and the number of books issued to them are given in the following statement :

Particulars	Number
(1) Average No. of students making use of the library and/or reading room daily	400
(2) Average No. of teachers making use of the library and/or reading room daily	90
(3) Total No. of books issued to students during the year	60,000
(4) Total No. of books issued to teachers during the year	5,000
Details regarding the stock and expenditure of the Library	
(1) Books (including back nos. of journals as on 1-4-1979)	21,906
(2) Books added during the year	748
(3) Books as on 31-3-1980	22,654
(4) Journals subscribed during the year	175
(5) Amount spent on binding	4,350
(6) Total amount spent for library and/or reading room during the year	1,36,737-94

### CHAPTER XI (B)—SHETH UJAMSHI PITAMBARDAS AYURVEDIC RESEARCH UNIT

#### 1. Function of the Unit :

Research in Ayurveda is the primary concern of the Unit which has a library, a Museum of Indian Medicinal herbs and minerals, a Rasa-Shala and an Out-patient Department. Beds for Ayurvedic Clinical Research are made available by the Honorary Modern Physician attached to the Unit.

#### 2. Staff :

The staff of the Unit consisted of an Honorary Head, an Honorary Modern Physician, a Research Officer, an Assistant Research Officer, a Research Fellow (Modern Medicine), 2 Class III and 3 Class IV employees.

#### 3. Library :

The total number of books in the library was 2,595.

#### 4. Museum :

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

#### 5. Work done in the Unit :

##### (a) Rasa-Shala :

Powders of the fruits of Ficus glomerata and of internal bark of Azadirachta indica and watery extract of Ficus glomerata are being prepared in the Rasa-Shala.

##### (2) Research Work — (A) Clinical Trials

##### (B) Pharmacological experimental Work.

##### (a) The following Clinical Studies have been carried out :

- (i) Clinical trial of Emblica officinalis (Amla) as a cough sedative. Capsules of powdered dry-fruit of Emblica officinalis were



tried on 9 patients with dry cough. As judged from the reduction in the frequency of coughing bouts and increases in sleeping time the results were encouraging. Further work is in progress.

(ii) Clinical study of *Azadirachta indica* (Neem) in dry eczema. Powdered inner bark of *Azadirachta indica* was administered to patients in capsules and Oil from the seeds of *Azadirachta indica* was used for external application. Satisfactory results were obtained. Further work is in progress.

(iii) Clinical study of *Ficus glomerata* (Udamber) in dyspepsia. Powdered fruit of *Ficus glomerata* administered orally in capsules was found to be effective in 13 Cases of dyspepsia. It had no beneficial effect in patients with peptic ulcer. The work is in progress.

(b) (i) Anti-spasmodic activity of *Ficus glomerata* (Country fig; Hindi-Gular; Gujarati-Umodo).

The watery extract of *Ficus glomerata* was found to inhibit the contractile effect of 5-hydroxy tryptamine on guine pig isolated ileum. This inhibitory effect was dose-related (33.5 to 134 ug/ml.). However, higher dose (134 ug/ml.) produced lesser inhibition of the contractile effect of 5 hydroxytryptamine. The work is in progress.

(ii) Anti-gastric ulcer activity of Tamra Bhasma in rats. Tamra Bhasma obtained from Gujarat Ayurvedic Vikas Mandal, Junagadh was shown to exert anti-gastric ulcer activity against gastric ulcer induced by dexamethasone in female albino rats. The effect was dose-dependent (7.5-120 mg/kg.).

(iii) Hypolipidemic effect of *Balsmodendron mukul* (Shuddha guggula) in rabbit. The work has just started.

#### 6. General Ayurvedic O.P.D. :

During the year, 18,041 old cases and 1,340 new cases were registered in the O.P.D. of the Unit.

#### 7. Professional Growth of the Staff :

##### (a) Publications :

Author	Title	Journal published
D. C. Pandya	"Shilajit"	Ayurved Vikas; 83-86 November, 1979.

#### (b) Paper presented at State Level Seminar :

Name	Name, Place and Date of the Seminar	Title of the paper presented
D. C. Pandya	Educational Seminar of Ayurveda at Government Ayurvedic College, Baroda on 22-23, March, 1980.	"Relation of Modern Research Methods to Ayurvedic Research".



## CHAPTER XII—FACULTY OF TECHNOLOGY AND ENGINEERING

### 1. Courses of Studies :

- (1) The Courses of Studies remained the same as in the previous year.
- (2) The following new courses have been introduced during the year under report.
  - (i) Two-year Post-graduate Degree Course in Industrial Electronics in the Department of Electrical Engineering.
  - (ii) Two-year Post-graduate Degree Course in Petro-Chemical Engineering in the Department of Chemical Engineering.
  - (iii) Two-year Post-graduate Degree course in Pharmaceutical Analysis in the Department of Pharmacy.
  - (iv) One-year Post-graduate Diploma Course in Low-Cost Housing in the Department of Architecture.
- (3) The Faculty offers Co-operative (Sandwich) courses, Summer Practical training facilities for final year students, and career Planning and Placement facilities for final year students.

### 2. Number of Students :

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

	Men	Women	Total
(a) Diploma	205	—	205
(b) Degree	2721	155	2876
(c) Post-graduate Diploma	3	—	3
(d) Post-graduate Degree	162	8	170
(e) Ph.D.	25	5	30
Grand Total :	3116	168	3284

### 3. Staff :

#### (a) Present Position :

During the year the staff of the Faculty consisted of 25 Professors, 48 Readers, 126 Lecturers, 1 Junior Instructor, 187 Class III and 99 Class IV employees.

#### (b) New Appointments :

- (1) Shri G. N. Rao, Lecturer in Mechanical Engineering
- (2) Dr. M. H. Divekar, Lecturer in Chemical Engineering
- (3) Shri S. P. Dabke, Lecturer in Chemical Engineering
- (4) Shri K. P. Pai, Lecturer in Textile Chemistry
- (5) Shri R. P. Jamdagni, Lecturer in Textile Chemistry
- (6) Shri S. P. Saksena, Lecturer in Electrical Engineering
- (7) Shri G. U. Khokhar, Lecturer in Mechanical Engineering
- (8) Shri S. B. Kalusker, Lecturer in Mechanical Engineering
- (9) Shri B. B. Shah, Lecturer in Mechanical Engineering

#### (c) Teachers Upgraded to Higher Positions :

- |                              |                                     |
|------------------------------|-------------------------------------|
| (1) Prof. A. N. Shah         | Professor of Civil Engineering      |
| (2) Shri S. M. Joshi         | Reader in Elect. Engg.              |
| (3) Dr. S. K. Mehta          | Professor of Mech. Engg.            |
| (4) Dr. A. S. Phadke         | Prof. of Mech. Engg.                |
| (5) Prof. S. G. Shah         | Professor of Elect. Engg.           |
| (6) Prof. A. K. Aggarwal     | Professor of Elect. Engg.           |
| (7) Shri K. S. Patel         | Reader in Elect. Engg.              |
| (8) Shri P. N. Thakre        | Reader in Elect. Engg.              |
| (9) Dr. S. C. Patodi         | Reader in App. Mech. Engg.          |
| (10) Shri G. D. Bhatt        | Reader in Mech. Engg.               |
| (11) Shri A. A. Patel        | Reader in Mech. Engg.               |
| (12) Shri B. K. Mayavanshi   | Reader in Mech. Engg.               |
| (13) Shri M. N. Kantharia    | Reader in App. Mech.                |
| (14) Dr. S. R. Agrawal       | Reader in Appl Mech.                |
| (15) Dr. R. A. Vora          | Reader in App. Chemistry            |
| (16) Shri Ethirajulu         | Reader in Chemical Engg.            |
| (17) Dr. T. R. Joshi         | Reader in Appl. Physics             |
| (18) Prof. J. R. Derasari    | Professor of Training and Placement |
| (19) Dr. V. L. Gadgeel       | Professor of Met. Engg.             |
| (20) Shri P. J. Roychowdhury | Reader in Mech. Engg.               |
| (21) Shri S. K. Agrawal      | Reader in Mech. Engg.               |
| (22) Shri H. Y. Geetanath    | Reader in Civil Engg.               |
| (23) Shri M. R. Thakker      | Reader in Civil Engg.               |
| (24) Prof. Y. K. Kardile     | Professor of Elect. Engg.           |
| (25) Dr. R. J. Mistry        | Professor of Textile Engineering    |

#### (d) Teachers who left the University :

- |  |          |
|--|----------|
| (1) G. J. Prajapati, Lecturer in Applied Mechanics   | Resigned |
| (2) Shri S. H. Soni, Lecturer in Applied Mathematics | Resigned |



- (3) Shri S. P. Saxena, Lecturer in Electrical Engineering Resigned  
 (4) Shri G. N. Rao, Lecturer in Mechanical Engineering Resigned  
 (5) Prof. M. B. Achwal, Head and Prof. of Architecture Sad and Sudden demise

(e) The following class III Employees expired during the year under report

- (1) Shri A. M. Dadhe—Printer—Textile Engineering  
 (2) Shri C. Y. More—Faculty Mistry—Technology Engineering  
 (3) Shri I. B. Khatri—Cleaner—Applied Mechanics Department

#### 4. Professional Growth of the Staff :

(a) Published Articles/Papers :

Name	Title	Name of the Journal published with month of publication
(1) Piyush Parikh and K. R. Biyani	Failure Criteria for sand and clay	Science Number, MSU, January, 1980.
(2) D. T. Shete	Field Calibration of Mahi Head Regulators at Wanakbori	Navnirman Vol. XIX, No. 2, July, December, 1979.
(3) D. T. Shete	Study of Groundwater Recharge	Hydrology Review July, 1979.
(4) N. M. Bhatt and G. S. Parthasarthy	Recharge of Ground Water with Waste Water	Journal of Indian Water works Association October-December, 1979.
(5) Vijay Gadgeel, Donald L. and L. Johnson	Gas Phase Hydrogen Permeation and Diffusion in Carbon Steels as a Function of Carbon content from 500-900 K.	Journal of Material for Energy System, Vol. J. No. 2, Sept., 1979, pp. 32-40.
(6) N. S. Sundar Murti and V. Seshadri	On the improvement in Cr/Fe ratio of Byrapur Chromite	Trans. I.I.M. Vol-32 No. 3, June, 1979.
(7) N. S. Sundar Murti and V. Seshadri	On differential grainding	Trans. I.I.M. Vol.-33, No. 1, Feb., 1980.
(8) S. K. Datt and N. S. Sundar Murti	Review of continuous Steel Making	'Metallex' 1980.

Name	Title	Name of the Journal wherein published with month of publication
(9) S. Misra and V. Seshadri	Mechanical working Behaviour of Aluminium Magnesium Alloys	J. of the Maharaja Sayajirao University of Baroda, Vol. XXVII & XXVIII, No. 3.
(10) A. Y. Tase, D. K. Basa and V. Seshadri	"Evaluation of Chamotte as Mould Material".	Indian Foundry Journal Vol.-25, No. 9, Sept. 1979, P-1.
(11) Dr. S. R. Karmakar	Application of Reactive dye, by Different Printing Methods on 100% cotton	The Textile Industry & Trade Journal P. 37 August, 1979.
(12) Dr. S. R. Karmakar	Some Practical Problems encountered in the Printing of Polyester Fabrics	Fabrica, Text. Annual No. March, 1980, p-1.
(13) S. K. Banerjee, K. K. Rao and Rajani Giridhar	Antimicrobial activity of the extract from Tecomella undulata	Indian Drugs 17, 176, 1980.
(14) S. K. Banerjee, Y. K. Agrawal, K. P. S. Raj and M. R. Patel	Metal Contents of some Solanaleous Drugs	J. Institution of Chemists, 51, 131, (1979).
(15) S. K. Banerjee, S. M. Khanna, and Y. K. Agrawal	Potentiometric Estimation of Aspirin, Nicotinic Acid and Ascorbic acid in Pharmaceutical Formulation	J. Inst. Chemists (India), 51, 252, (1979).
(16) K. K. Rao and A. R. Gupta	Antimicrobial activity of alkaloid extract of A. Fumigatus	Indian J. Pharmaceutical Sci., 11, 68, 1979.
(17) L. S. Trivedi and K. K. Rao	Hydrolysis of Cellulosic wastes by A. Fumigatus, cellulase.	Indian J. Expt. Biol., 18, 425, 1980.
(18) L. S. Trivedi and K. K. Rao	Cellulase Induction in A. Fumigatus	Indian J. Expt. Biol., 18, 240, 1980.
(19) Rajani Giridhar, K. K. Rao and S. K. Banerjee	Antimicrobial activity of the extract from Tecomella undulata	Indian Drugs 17, 176, 1980.
(20) L. S. Trivedi and K. K. Rao	Purification fractionation and molecular weight determination of cellulase from A. fumigatus.	Indian J. Pharmaceutical Sci. 41, 251, 1979.
(21) L. S. Trivedi and K. K. Rao	Factors influencing the induction of cellulolytic enzymes in Fusarium sp.	Curent Microbiology 3, 219, 1980.



Name	Title	Name of the Journal wherein published with month of publication
(22) L. S. Trivedi and K. K. Rao	Production of Cellulolytic enzymes by <i>Fusarium</i> Sp.	Proc. Vth International fermentation symposium, Canada, 69, (1980)
(23) K. P. Raj and Y. K. Agrawal	Heavy Metal Contents of the leaf-galls of <i>Salvadora persica</i> Linn	Sci. and Cul. 45, 35, (1979).
(24) Y. K. Agrawal	Studies on Hydroxamic Acids and Their Metal Complexes	Russian Chem. Rev. 48, 1773, (1979).
(25) Y. K. Agrawal	Rapid method for Simultaneous Trace Determination of Vanadium, Uranium Cerium and Iron in Rock and Mineral Samples	Chem. Zналz., 24, 79, (1979).
(26) Y. K. Agrawal	Thermodynamic Ionisation Constants of N-1 Naphthyl 1-hydroxamic acids	J. Electroanal. Chem. 99, 117, (1979).
(27) Miss A. Mudaliar and Y. K. Agrawal	Synthesis of N-(1-Naphthyl) Hydroxamic Acids	J. Chem. Engg. Data 24, 246, (1979).
(28) Y. K. Agrawal	Dissociation and Complexation of N-m-Tolyl-p-metho-benzo-hydroxamic acid with Manganese (II) Nickel (II) Copper (II) and Zinc (II)	Transition Met. Chem. 109-III 4, (1979).
(29) Y. K. Agrawal	Correction Factors for Glass Electrode in Aqueous Methanol	Talanta, 26, 599 (1979).
(30) S. A. Patel and Y. K. Agrawal	Synergic Extraction of Uranium by N-Phenylbenzo-hydroxamic Acid (PBHA)	J. Inst. Chemists 51, 84, (1979).
(31) T. N. V. Raghavan and Y. K. Agrawal	Analysis of Trace Metals in Petroleum Crudes 1. Trace Analysis of Vanadium and Titanium in Crude Petroleum of North Gujarat	Industrial and Engineering Chem. Product Res. and Development 18, 148, (1979).
(32) R. K. Jain and Y. K. Agrawal	Preparation and Properties of substituted Cinnamohydroxamic Acids	J. Chem. Engg. Data 24, 250 (1979)

Name	Title	Name of the Journal wherein published with month of publication
(33) Y. K. Agrawal and A. Mudaliar	Formation Constants of N-o-Tolylbenzohydroxamic Acids with Mn (II), Ni (II), Cu (II) and Zn (II).	Trans. Metal Chem. 4, 252, (1979).
(34) K. P. S. Raj & Y. K. Agrawal	Studies on Fruits of <i>Dios-Phylos montana</i> Rox b.	Polish J. Chem. 53, 735 (1979)
(35) Y. K. Agrawal	N-m-Tolyl-m-Nitrobenzo-hydroxamic Acid A Cersatile Analytical Reagent	Tech. New Service 11(1), Jan.-Feb., 1979.
(36) Y. K. Agrawal	Non-Aqueous Titrations	Analyst 104, 873, (1979).
(37) Y. K. Agrawal, K. P. S. Raj, M. R. Patel and S. K. Benarjee	Metal contents of some Solanaceous Drugs	J. Institution of Chemists 51, 131, (1979).
(38) R. D. Roshania and Y. K. Agrawal	N-p-Chlorophenyl-cinna-Mohydraxamic Acids : A new Reagent for the Microgram Determination of Vanadium (V)	Microchem J., 24, 378, (1979).
(39) S. M. Khanna, Y. K. Agrawal and S. K. Banerjee	Potentiometric Estimation of Aspirin, Nicotinic Acid and Ascorbic Acid in Pharmaceutical Formulation	J. Inst. Chemists (India) 51, 252, (1979).
(40) Y. K. Agrawal, K. P. S. Raj and S. S. Merh	Trace Metal Contents in the Lalbag Pond of Baroda City Near Highway	Intern J. Environ Studies 15, 57, (1980).
(41) Y. K. Agrawal	Ionisation Constants of para-substituted Cinnamohydroxamic Acids in Dioxam-water.	Polish J. Chem. 53, 2409, (1979).
(42) Y. K. Agrawal	Effect of Lead from Motor-Vehicle Exhausts on Plant and soil along a Major Thoroughfare in Baroda City	Intern. J. Environ Studies 14, 313-316, (1980).
(43) Y. K. Agrawal and S. A. Patel	Rapid Extraction and Spectrophotometric Determination of Lead (II) with N-p-Chlorophenylbenzohydroxamic Acid	Bull. Soc. Chim. Belg. 88, 1027-1031, (1979).



Name	Title	Name of the Journal wherein published with month of publication
(44) Y. K. Agrawal and S. A. Patel	Solvent Extraction and Spectrophotometric determination of vanadium (v) using N-p-tolyl-2-4-dimethoxybenzo-hydraxamic Acid.	Bull. Soc. Chim. Belgs. 88, 1033-1040, (1979).
(45) Y. K. Agrawal and S. A. Patel	Rapid Extraction and Spectrophotometric Determination of Niobium with N-p-chlorophenyl benzohydroxamic acid	Bull. Soc. Chi., Belgs. 89-9-14, (1980).
(46) T. N. V. Raghavan and Y. K. Agrawal	Vanadium Determination in Petroleum Crude Spectrophotometric method	Bull. Soc. Chim. Belgs. 89, 89-92, (1980).
(47) Y. K. Agrawal	Solution stability Contents of Beryllium Cadmium and Uranium with N-o-tolylbenzo-hydroxamic Acids.	Bull. Soc. Chim. Belgs. 89, 97-100, (1980).
(48) Y. K. Agrawal and R. D. Roshania	Hydroxamic Acids in Gravimetric Analysis	Bull. Soc. Chim. Belgs. 89, 159-174, (1980).
(49) K. P. S. Raj and Y. K. Agrawal	Studies on the Market Samples of Fennel from Baroda	J. Res. Ind. Med. Yoga and Homoeo. 14, 123, (1979).
(50) Y. K. Agrawal	Thermal Analysis of Rare Earth Complexes of N-phenyl-benzo-hydroxamate	Thermochim. Acta. 38, 153, (1980).
(51) Rajani Giridhar K. K. Rao and S. K. Banerjee	Antibacterial activity of the extract from <i>Techmella undulata</i> (G. Don) Seem	Indian Drugs, March, 1980.
(52) R. V. Joshi and R. T. Chaudhuri	Thermoluminescence of KBr-TR excited by ultraviolet and X-rays	Radiation Effect 41, (1979), 175.
(53) Dr. R. A. Vora and Renu Gupta	Amesogenic homologous series containing a phenolic and group	Molecular crystal liquid crystal (letters) 56, 31, (1979).
(54) Dr. R. A. Vora and Shri M. T. Chhangawala	Effect of substitution and its location on liquid crystalline properties of Phenylene derivatives	Current Science, 48, 1072, (1979).
(55) Dr. R. A. Vora and Renu Gupta	Mesogenic Homologous series with a lateral substituent	India Journal of Chemistry June, 1979.

## (b) Published Books/Brochures :

Name of the Author/s	Name of the Book	Name of the Publisher with month of publication
(1) Shri A. D. Joshi	Building planning and services (Part I)	Mrs. M. A. Joshi, August 1979 (1st edition)
(2) Prof. R. C. Patel and Prof. A. D. Pandya	Machine Design, Vol. I and II, 10th Edition	Acharya Book Depot, Baroda.
(3) Prof. M. B. Achwal and Mr. M. A. Slingshy	Block Development Plan for Jabugam	M.S.U. Press, May, 1979.

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

Sr. No.	Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the paper presented
(1)	Shri A. D. Dhabalia and Dr. S. K. Damle	24th Congress of the Indian Society of Theoretical and Applied Mechanics, Regional Engineering College, Rourkela (Orissa), Feb., 1980	"Ultimate Strength of Reinforced Concrete Corbels with Horizontal and Inclined Stirrup Reinforcement"
(2)	Shri M. R. Thakkar	Workshop on Operation and Maintenance of Water and Waste Water Treatment and Plants at Baroda, Oct. 1979	"Guidelines for the maintenance of Water treatment plants"
(3)	Prof. H. V. Bhavnani	Solid Waste Management Seminar at Kanpur I.I.T., Oct., 1979	(i) "Solid Waste Management by mechanical composting : Its problems and remedies". (ii) "Hazardous effects of SO <sub>2</sub> Particulate emission S on vegetation". (iii) "Guidelines for the maintenance of water and waste water treatment plants".
		Third ISME conference on Mechanical Engg. I.I.T., Delhi, Feb., 1980	
		Workshop on Operating and Maintenance of Water and Waste Water treatment Plants at Baroda, Oct., 1979.	



Sr. No.	Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the paper presented
(4)	Prof. R. C. Desai	Workshop on Development of curriculum for Four Year U.G. Programme in Electrical Engg., E. E. Dept., I.I.T., Delhi, March 1980.	"Professional courses control Instr. and Systems Engg."
(5)	Dr. V. L. Gadgeel	(i) 17th National Metallurgists day celebration 1979, Baroda (ii) Workshop on Maintenance and operational problems in and Waste Water treatment plants at Baroda organised Inst. of Engineers, (Vadodara Centre) October 1979	"Use of Fractography in Fatigue Failure Analysis". "Corrosion in Waste Water treatment plants."
(6)	Dr. S. R. Karmakar	(i) Technical Symposium Organised by Indian Gum Industries, Surat, 9th December, 1979 (ii) All India Textile Conference held at Nagpur 26th and 27th Dec., 1979	"Influence of thickness in Textile Printing". "Problems in Dyeing Texturised Polyester material".
(7)	K. K. Rao	(i) 20th Annual Conference of Association of Microbiologists of India, Hissar, November, 1-3, 1979 (ii) 20th Annual Conference of Association of Microbiologists of India, Hissar, November, 1-3, 1979 (iii) Indian Pharmaceutical Conference, Baroda, December, 1979	"Purification, fractionation and molecular weight determination of cellulose from A. fumigatus". "Partial purification & characterisation of Tryptophan binding protein isolated from A. fumigatus". "Purification fractionation and molecular weight determination of cellulose from A. fumigatus".

Sr. No.	Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the paper presented
		(iv) U.G.C. National Symposium on "Recycling of residues of Agriculture and Industry Ludhiana, March, 1980	"Enzymatic hydrolysis of cellulosic materials".
(8)	Y. K. Agrawal	Convention of Chemists : Indian Chemical Society Kurukshetra, Oct., 1979	(i) "Vanadium determination in crude oil". (ii) Thermodynamic Ionisation Constants of N-p-Chlorophenyl-substituted hydroxamic acids".
(9)	Dr. R. V. Joshi and Shri R. T. Chaudhari	11th National Conference on Crystallography, Jan, 1980. Thermoluminescence of around Room Temperature.	
(10)	Dr. R. V. Joshi and Dr. T. R. Joshi	Conference on Radiation Environment in Life and Earth Sciences, Baroda, Feb. 1980	"Examination of NaCl-caphosphor as a TLD material".
(11)	Dr. A. R. K. L. Padmini	All India symposium on Acoustics in solids, Hyderabad Oct., 1979	(i) "Ultrasonic Velocity studies in Smectic liquid crystals". (ii) "Ultrasonic studies in Bl. Bo-Single crystals".
(12)	Dr. J. R. Pandya	11th National Conference on crystallography, Calcutta, Jan., 1980	(i) "Growth of single crystal of Ammonium hydrogen tartarate of Pofession hydrogen tartarate in silica oil". (ii) "Symmetry of Pentagonal 1111 pits on calcite cleavages".



Sr. No.	Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the paper presented
			(iii) "Application of Mayer's law to micro indentations produced by weakers hardness tester on calcite cleavages".
(13)	Dr. N. H. Shah	Annual convention of chemists, Kurukshetra 22nd, Septem ber, 1979 Azoic	"Studies in reactive dyes Paper IV Halo-Aromatic Aminies in reactive azoic Dyeing of cotton and woolen".
(14)	Dr. J. M. Lohar	(i) Annual convention of chemists, Kurukshetra 22nd September, 1979, Azoic	(i) "Enantiotropic Mixed Mesophase in Binor Mixtures of a Monotropic Mesomorph and Certain Schiffs Bases".
		(ii) International Conference on Liquid Crystals, Bangalore, Dec., 1979	(ii) "Study of Mixed Mesophase Typical Binar Mixtures comprising schiffs bases".
			(iii) "A New Homologous series of Mesogens and its characteristics : p-P-n-Alkoxy-anna-moloxo ) Benzaldehyles".
			(iv) "Synthesis and study of New Mesogens-1-p-( p-n-Alkoxy-cinnamoyloxy ) Benzaldehyles p "toluidines".

Sr. No.	Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the paper presented
		(iii) 11th National Conference of Crystallography, Calcutta, Jan., 1980	(i) "Effect of structure on Mixed liquid crystals and Determination of Latent Transition Temperatures".
			(ii) Mesomorphic characteristics and Phase transitions of some New Mesogens I, p-( P-n-Alkoxy cinnamoyloxy ) benzal-p Phenexidines".
			(iii) "Synthesis of some New Liquid Crystals and study of their phase characteristics".
			(iv) "Study of the Mesomorphic Behaviour of some New Liquid Crystalline Schiffs base Aromatic Esters".
(15)	Dr. R. A. Vora	(i) Annual convention of Chemists, Kurukshetra, 22nd Sept. 1979	(i) "Effect of Chemical Constitution on Mesomorphism I."
		(ii) International Liquid Crystal Conference Bangalore, 38, December, 1979	(ii) Mesomorphic behaviour of homologous series".
			(i) "New Mesogens with positive dielectric Anisotropy".
			(ii) "New Mesogenic homologous series with free lateral



Sr. No.	Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the paper presented
			and terminal phenolic group".
		(iii) National Conference on Crystallography, Calcutta, 17-19 January, 1980	(iii) "Effect of middle flexible group on mesomorphic State".
			(iv) "Azomesogens III".
		(iii) National Conference on Crystallography, Calcutta, 17-19 January, 1980	"Mixed mesomorphism Binary liquid Crystal system exhibiting linear and non-linear thermal behaviour".

Name of the Teacher	University/Institution	Subject of the Lecture
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(d) Talks given at different Universities/Institutions :

(1) Dr. S. K. Damle	(i) Railway Staff College, Baroda, Sept., 1979	Numerical Methods and Computer Applications in Civil Engineering.
	(ii) Winter School on Structural Analysis with T.D.C. Series of Computers, M.B. M. College of Engineering, Jodhpur, Jan. 1980	Finite Element Methods
	(iii) The Walchand Memorial Post-graduate Lecture, Walchand College of Engineering, Sangli on Jan., 1980	Application of Finite Element Technique in Engineering.
	(iv) Department of Civil Engg. College of Engg, Poona, Jan., 1980	Finite Element Method for Engineering Analysis.
(2) Dr. Piyush Parikh	(i) Grout Training School conducted at M. S. University	Grout Materials.

Name of the Teacher	University/Institution	Subject of the Lecture
	(ii) Workshop on Instrumentation in Earth and Masonry Dams at Ukai Dam site, Aug., 1979	Instrumentation for dams.
(3) Dr. V. S. Thattey	Railway Staff College, Baroda, Sept., 1979	Concrete Technology.
(4) Prof. A. N. Shah	Ajmer Engineers Association, Ajmer	Environmental Engineering.
(5) Prof. P. M. Modi	Indian Institute of Technology, Bombay	(i) Tidal computations
		(ii) Queueing Theory of Ports.
(6) Prof. R. C. Patel	Gujarat University	(i) Free Piston Goggles
		(ii) Detecting Elements Petroleum and coal resources for energy and raw materials for organic Chemical Industry in India.
(7) Dr. A. N. Roy	Gujarat University	Baroda Housing Study.
	(i) School of Architecture and Planning, Ahmedabad	Baroda Housing Study.
	(ii) School of Architecture and Planning, New Delhi	Baroda Housing Study.
	(iii) School of Architecture and Planning, Roorkee	Baroda Housing Study.
(9) Dr. L. V. Gadgil	Steel Cast, Bhavnagar, September, 1979	"Hydrogen Transport in Steels".
(10) Mr. S. K. Agrawal	Institution of Engineers (India) Gujarat State Centre, Ahmedabad	"Titanium as Engineering Material".
(11) Mr. P. J. Roy Chowdhury	Institution of Engineers (India) Gujarat State Centre, Ahmedabad	"Corrosion Problems in Industries".
(12) Dr. Y. K. Agrawal	(i) Jawaharlal Nehru University	(i) Environmental Pollution
	(ii) Philips India, Bombay	(ii) Analytical Application of Spectropho-



Name of the Teacher	University/Institutions	Subject of the Lecture
(13) Dr. R. K. L. Padmini	Osmania University	tometers of Pharmacy.
(14) Prof. C. C. Shah	S. V. Regional College of Engineering (Summer School)	Accoustic Studies in Solids.
(15) R. M. Pancholi	Gujarat University	Invariant (two teachers Imbedding.)
		COHSSIP LECTURES at H. K. Arts College, Ahmedabad on "The Growth of Vocabulary in English" on Jan., 1980.
(16) R. M. Pancholi	(i) Sardar Patel University, Vallabh Vidyanagar, South Gujarat University	M.T.B. College Seminar "TEN Years of ELT in Gujarat Resource Person.
	(ii) Sardar Patel University, Vallabh Vidyanagar, March 1980	(i) The Hamlet Mystery (ii) Modernity in Browning (iii) Translating Poetry (vi) Practical Criticism.

(e) Participation in Inservice Programme :

Name of the Teacher	Programme, Place and Date	Capacity in which participated
(1) N. B. Parmar, P. D. Vyas and P. N. Sutaria	(i) Govt. College of Technology, Coimbatore (T.M.), May-June, 1979	Delegate
	(ii) I.S.T.E. Winter School at TTTL on "Modern Concepts on Instructional Science, Dec., 1979	Delegate
(2) D. K. Basa	Govt. College of Engineering and Technology, Raipur, Workshop on "Curriculum Development in Metallurgical Engg.", March, 1980	Delegate

5. Training and Placement Activities :

(1) Practical Training :

A number of pre-final and other students were assisted in obtaining practical training at various industrial establishments around Baroda as well as elsewhere in the country.

261 students were deputed for practical training during the summer vacation for a period of approximately six weeks.

24 chemical Industries, 30 pharmaceutical industries and research/testing laboratories, 20 mechanical engineering industries, 11 Electrical engineering industries, 24 electronics industries, 18 metallurgical engineering based industries and 31 textile industries offered training facilities.

In addition, recommendation letters for practical training were issued to a number of students who wished to arrange training on their own.

(2) Employment Opportunities :

(a) Campus Interviews :

Representatives of some well established companies visited the campus for conducting campus interviews/tests of final year students interested in employment. In all 14 Companies visited the Faculty and conducted interviews of 257 students spread over 17 days.

(b) Advertisements from a large number of companies/organizations/laboratories and educational institutions stating their personnel requirements were received. The bio-data of interested students under "Training and Placement" activities were sent to them through this office.

(c) The Indian Navy carried out their preliminary selection of Engineers for entry into Indian Navy under their University entry scheme. Out of 42 students who qualified, 6 students were selected for Services selection Board Interviews.

(3) A Co-operative Course leading to B.Tech. Degree in Mechanical, Electrical and Metallurgical Engineering under the modified pattern, continued during the year under report. This programme has been proved successful for employment.

The apprenticeship (amended) act of Government of India encompasses sandwich pattern of course as per provisions laid down therein.



During the year under report, 3 mechanical, 3 electrical and 3 metallurgical engineering students were admitted to the B.Tech. degree course. Two final phase students qualified for the B.Tech. (Electrical) degree in July, 1979.

(4) *Guidance :*

Students availed themselves of this facility, and sought consultation for employment/training and related problems.

**6. Faculty Union Activities :**

(I) The Student's Chapter showed during the last year, films of general and technical interest, conducted tours to industries in and around Baroda and arranged technical lectures by eminent professional persons in various fields of engineering.

(II) During the year Faculty Screened 54 films on various subjects of educational interest.

**7. Library :**

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

The details regarding the 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 No. of students making use of Library and/or reading room daily.	990
(2) Average number of teachers making use of the Library and/or the reading room daily.	225
(3) Total no. of books issued to students per day	305
(4) Total No. of books issued to teachers during the year.	3000

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

Particulars	Number		
	Books	Bound periodicals	Cost in Rs.
(1) Books (including) Back Numbers of Journals as on 1-4-1979	54804	8257	32,75,644
(2) Books added during the year upto 31-3-1980.	96	515	10,47,60
(3) Books as on 31-3-1980	54900	8772	33,80,404

Due to shortage of funds the Library has to discontinue many journals. It subscribed to 138 journals. 515 bound journals were added during the year.

**8. Institute Consultancy Project :**

The following projects were undertaken as Institute Consultancy Projects.

(1) System studies to finalise the 400 KV net work and generation during the Sixth Five Year Plan were completed and preliminary studies for the Seventh Plan were also carried out for Rajasthan and Punjab State Electricity Systems. These Projects are being financed by Rajasthan State Electricity Boards and Punjab State Electricity Boards respectively.

**9. Textile and Allied Industries Research Organisation (TAIRO) :**

(a) *Tairo Miniature Spinning Plant :*

TAIRO has developed for the first time in India a Miniature Spinning Plant consisting of :

(1) 10" wide Miniature Card (2) drawing frame (3) 4 Spindle Roving Frame (4) 6 Spindle Ring Frame. This is also considered as an improt substitution. Till now this plant was imported from abroad.

This miniature spinning plant is of great assistance to all Institutions training Textile Technology, the investment for the buildings required for housing the currently procured big plants is avoided totally.

(b) *Tairo Web Super Stripper :—*

Following further development works was carried out :—

(1) Spiral groove cut on one of the 3" stripper roller and same roller was fitted in one of the cards to see the performance of stripping.



(2) One 4" dia stripper roller manufactured. 48 flutes were cut on lathe machine on the circumference of the roller. The doffer speed was increased to 16 R.P.M. from 10 R.P.M. and the working of the unit was found very satisfactory.

(3) One 4" stripper roller, one 2.75" dia. redirecting roller and one 2" dia. redirecting roller manufactured and hard chromium plated. The pedestals are manufactured to accommodate these rollers.

(c) *Polymer Lumps :*

To break up the lumps on production basis, jigs were designed, manufactured and fitted on a hand press. It was found that this hand press of TAIRO workshop was successful for eaking lumps, into their required sizes.

(d) *Cotton Cleaning Machine :*

Cotton cleaning machine was installed at Karjan Co-operative Sales, Ginning and Pressing Society Limited, in response to the request made by Shri Muljibhai Bhatt. The Working of this machine was found satisfactory.

(e) *Tairo Miniature Multi-Cylinder Sizing Machine and Running off Frame :*

TAIRO has designed the Multi-Cylinder Miniature sizing Machine equipped with all modern controls and running off frame.

(f) *Three Dimensional (Trizxial) Cloth; Inquiry for Development of Machine :*

An inquiry from the Defence Research and Development Laboratory, Hyderabad on the subject was received, and is being processed.

(g) The design work on Tairo Bobbin Stripper is in progress.

(h) *Tairo Trash Analyser :*

There is a good demand for Trash Analyser. It has been licensed to TAICO, BARODA. The average sales is three in two months.

(i) A Proposal estimated to cost 7.5 lakhs rupees for a laboratory plant to assist in rural development has been submitted to the Central Government.

(j) The project "Flatless Card" is under progress.

## CHAPTER XIII—FACULTY OF FINE ARTS

### 1. Courses of Studies:

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

### 2. Number of Students :

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

Year/Class	Men	Women	Total
(1) <i>Diploma :</i>			
1st Year	50	8	58
2nd Year	43	10	53
3rd Year	21	3	24
Total :	114	21	135
(2) <i>Post-Diploma :</i>			
Junior	15	2	17
Senior	10	2	12
Total :	25	4	29
(3) <i>Degree :</i>			
1st Year	38	17	55
2nd Year	29	10	39
3rd Year	10	11	21
Total :	77	38	115
(4) <i>Post-graduate Degree :</i>			
Junior	24	10	34
Senior	17	8	25
Total :	41	18	59
(5) <i>Ph.D.</i>	12	4	16
Grand Total :	269	85	354



## 3. Staff :

## (a) Present Position :

The staff of the Faculty including the Museology Department consisted of 4 Professors, 7 Readers, 22 Lecturers, 1 Archivist, 1 Taxidermist, 13 Class III and 17 Class IV employees.

## (b) New appointments :

- (1) A. P. Gajjar, Reader in Applied Arts
- (2) P. Y. Mandey, Lecturer in Applied Arts
- (3) R. P. Dave, Lecturer in Applied Arts.

## (c) Teachers upgraded to Higher Positions :

- (1) G. M. Shaikh, Reader in Art History.
- (2) R. T. Parikh, Reader in Museology.

## 4. Professional Growth of the Staff :

## (a) Published Articles/Papers :

Name	Title	Name of the Journal wherein published with month of publication
<b>Art History :</b>		
(1) Professor Ratan Parimoo	(i) Indigenous Culture and the function of the Art Educator	"Arts in Cultural Diversity" published by INSEA—23rd World Congress, Adelaide, Australia, 1980.
	(ii) Galleries of Contemporary Arts in India	Museums and Museology, New Horizons (Dr. Grace Morley Felicitation Volume), Delhi, 1980.
<b>Sculpture :</b>		
(2) Shri Girish Bhatt	Dictionary of International Biography	Cambridge University, England—1979.
(3) Professor V. H. Bedekar	Using Natural Light for Museum Exhibition	Museums and Museology, New Horizons (Dr. Grace Morley Felicitation Volume), Delhi, 1980.

## (b) Published Books and Brochures :

Name of the Author/s	Name of the Book	Name of the Publishers
Shri Jyoti Bhatt	"Shaishav" Book of Photographs	Inventa Corporation 167—Dr. Annie Besant Road, Bombay-400 018

## (c) Talks given at different Universities/Institutions :

Name of the Teacher	University/Institution	Subject of the Lecture
(1) Professor Ratan Parimoo	School of Ancient Indian History, Culture and Archaeology, Jiyaji University, Gwalior	Life of Buddha in Indian Sculpture
(2) Shri V. K. Bhatt	(i) Gujarat Lalit Kala Akademi Art Section, Nargol	Importance and Value of Art History

## (d) Participation in Inservice Programme :

Name of the Teacher	Programme, Place and Date	Capacity in which participated
(1) Professor Ratan Parimoo	Upgrading of the College of Fine Arts, Jawaharlal Nehru Technological University, Hyderabad	Member of the Committee.
(2) Shri Jyoti Bhatt	(i) Gujarat Government Film-Award Committee	Member
	(ii) Camera Pictoria-lists, Baroda	Elected President
	(iii) Kala Kendra, Vidyanagar	Conducted Graphic Workshop organised by Gujarat State Lalit Kala
	(iv) Government College of Art, Aurangabad	Conducted Graphic Workshop organised by Director of Art, Maharashtra Government.
(3) Shri Gulam Sheikh	Artists Camp organised by ICRIST, Hyderabad	Participant



Name of the Teacher	Programme, Place and Date	Capacity in which participated
(4) Shri Girish Bhatt	(i) Artist Camp Jammu and Kashmir Akademy of Art and Culture, Jammu (ii) Institute of Music and Fine Arts, Jammu	Participant Demonstrator
(5) Kum. Kumud G. Patel	(i) Chitrakala-Youth Festival of Gujarat State, Dohad (ii) Garba and Folk Dances competition Youth Festival of South Gujarat University, Bulsar	Judge Judge
(6) Shri A. P. Gajjar	All India Artists Camp at Regional Centre, Madras organised by Lalit Kala	Participant
(7) Miss Nasreen Mohamodi	All India Artists Camp at Regional Centre, Madras organised by Lalit Kala	Participant
(8) Professor Ratan Parimoo	International Seminar on 'Art and Culture of Mathura' American Institute of Indian Studies, New Delhi	Observer
(9) Professor V. H. Bedekar	Annual Conference of Museum Association of India, Calcutta, January, 1980	Lecture on 17th January, 1980 and chaired session VI on 19th January, 1980.

(e) Exhibitions by the Staff Members :

- (1) Professor Jeram Patel held a One-man show, of his Ink Drawings at the Jehangir Art Gallery, Bombay.
- (2) (i) Professor K. G. Subramanyan held One-man show of Glass Paintings in Baroda, Tera-Cotta Reliefs, in Art Heritage Gallery, New Delhi, and Prints and Drawings at Bangalore.  
(ii) Professor Subramanyan's Painting was included in the Sao Paulo Biennale (International Art Exhibition), Brazil, South America.

- (3) Shri V. C. Shah, Shri Feroz Katpitia, Shri Vinodrai Patel, Smt. Jyotsna Bhatt and Shri Vinod S. Patel arranged a group of their works in Bombay.
- (4) Shri A. P. Gajjar and Shri V. G. Chitte participated in 1st and 2nd Asian Graphic Design Biennale Tehran, Iran.
- (5) Shri Vinod S. Patel, Shri A. P. Gajjar and Shri Vinay Trivedi participated in National Art Exhibition Lalit Kala Akademy 1980.
- (6) The following staff members' works were included in "Asian Artist Exhibition, Part" (November to December, 1979) organised by Fukouka Art Museum, Japan :

- (1) Professor K. G. Subramanyan,
- (2) Shri G. C. Bhatt,
- (3) Shri J. M. Bhatt,
- (4) Shri Raghav Kaneria,
- (5) Shri M. D. Pandya,
- (6) Shri R. R. Panchal,
- (7) Shri J. D. Patel.

- (7) Shri Vinod Trivedi participated in Gujarat State Art Exhibition, Ahmedabad.
- (8) Shri Jyoti Bhatt organised and participated in the Photographic Exhibition 'Shaishav' in connection with the International Year of the Child in Baroda. The exhibition was circulated in Gujarat by the Gujarat Government, Shri Raghav Kaneria, photographs were also exhibited in the exhibition.
- (9) Shri Raghav Kaneria exhibited his work in the Exhibition of "Royal College of Art 1960-80" at Fitz William Museum, Cambridge, U.K.

(f) National Awards of Prizes :

Name of the Teachers	Institution and Description of the award
(1) Shri Jyoti Bhatt	Prizes from Purani Smarak Fund under Hari Om Ashram Scheme
(2) Shri A. P. Gajjar	Cash Prize of Rs. 1,000/- by Bombay Art Society, Bombay.



### 5. Faculty Union Activities :

(i) The following students have been awarded prizes by the Institutions shown against them :

Name	Subject	Institution
(1) Shri Kishor Shinde	Painting	Gujarat Lalit Kala
(2) Shri Vilas Shinde	Painting	Gujarat Lalit Kala
(3) Miss Jayshree Chakravorty	Painting	AIFACS, New Delhi and Bombay Arts Society, Bombay
(4) Shri Parimal Pandya	Painting	Gujarat Lalit Kala
(5) Shri Ibo Yendrembum	Painting	Gujarat Lalit Kala
(6) Shri Jagdip Smart	Painting	Kalidas Memorial Exhibition, Bhopal
(7) Miss Suchismita Chakravorti	Graphic	Gujarat Lalit Kala
(8) Shri Kirit Patel	Sculpture	Gujarat Lalit Kala
(9) Shri Ravindra Reddy	Sculpture	Gujarat Lalit and National Lalit Kala
(10) Shri Joshi	Sculpture	Gujarat Lalit Kala and National Lalit Kala
(11) Shri Deshpande	Sculpture	AIFACS ( Merit Certificate ), New Delhi
(12) Shri Paban Dhibar	Sculpture	Gujarat Lalit Kala and Bombay Art Society
(13) Shri Gopal Mandal	Sculpture	AIFACS, New Delhi
(14) Shri Birendranath Bora	Sculpture	Gujarat Lalit Kala

(ii) The Faculty students participated in the Drama Competition of M. S. University Youth Festival and Miss Anita Dube won the prize for best acting.

(iii) The students and staff worked together to raise funds for the Morvi Flood Relief ( during July, 1979 ) by organizing an Exhibition-cum-Auction Sale of Paintings, Sculptures and Graphics as well as by putting up a stage performance of a dance-drama based on *Panchatantra*. About Rs. 26,000/- were collected, and handed over to the Hon. Governor, Gujarat State at a programme presided over by her.

(iv) Exhibitions held in the Faculty Exhibition Hall :

- (1) 22-11-1979 An Exhibition of Traditional Painting of Karnataka Style
- (2) 19 and 20 January, 1980 Shrujan Art of Bombay exhibit Kutch Embroidary work

(3) 19 and 20 January, 1980 Exhibition by UBS Publishers

(4) 2nd February to 5th February, 1980 Mr. Rajiv Lochan's Exhibition

(5) 4th to 6th March, 1980 Pop Artists Exhibition by American Centre, Bombay

(v) The Fine Arts Film Club started functioning and organised several Film Shows, screening films on Western Art, Modern Art, animation etc. received from the Canadian and German Consulates.

### 6. Library :

The following statement gives the details of the acquisitions of the Library during the year 1979-80 :

	Nos.	Cost in Rs.
(1) Books as on 1-4-1979	6,727	1,76,416-03
(2) Books added during the year (included Gift Books)	129	1,038-37
(3) Total Number of the Books	6,855	1,77,454-40

The working hours of the Library are from 12-00 Noon to 6-00 p.m.

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

(1) Average number of students making use of the Library	102 per day
(2) Average number of staff making use of the Library	11 per day
(3) Average number of books issued for Home Reading	17 per day
(4) Average number of books issued for Reading in the premises	487
(5) Average number of periodicals issued for Reading in premises	164

Shri K. K. Brahmabhatt ( Library Head Clerk ) was deputed to attend Fourth Library Seminar at Vallabh Vidyanagar organised by Gujarat Granthalaya Seva Sangh, Ahmedabad.

### 7. Visitors :

Name	Date of Visit
(1) Shri P. Sabhanaikam, Secretary, Ministry of Education, Government of India, New Delhi	7-7-1979
(2) Honorary Smt. Sharda Mukherjee, Governor of Gujarat, ( Art Exhibition-cum-Sale for Morvi Relief Fund )	9-9-1979
(3) Shri R. V. Chandramauli, Secretary, Department of Education, Gujarat State, Gandhinagar	21-9-1979
(4) Mr. Abdul Satar, Ambassador of Pakistan to India	5-11-1979
(5) Mr. S. Kataerine Kuh, eminent art critic of U.S.A.	6-2-1980



## CHAPTER XIV—FACULTY OF HOME SCIENCE

### 1. Courses of Studies

- (a) The Courses of Studies remained the same as in the previous year.
- (b) The Department of Child Development submitted a proposal for instruction of a new course 'Under-graduate Diploma in Child Development' which was approved by the University authorities and to be made effective from June, 1980.

### 2. Number of Students

Class	Men	Women	Total
(1) First Year B.Sc.	—	169	169
(2) Second Year B.Sc.	—	104	104
(3) Third Year B.Sc.	—	76	76
(4) Final Year B.Sc.	—	247	247
(5) Jr. M.Sc.	1	82	83
(6) Sr. M.Sc.	—	60	60
(7) Diploma in Pre-School Education	—	23	23
(8) Ph.D.	1	23	24
Total :	2	784	786

### 3. Staff

#### (a) Present Position :

The Staff of the Faculty including Chetan Balwadi consisted of 3 Professors, 7 Readers, 36 Lecturers, 2 Teachers ( Balwadi CD ), 18 Class III, and 33 Class IV employees.

#### (b) Teachers who left the University :

(1) Dr. (Miss) Justina Singh	Professor, Clothing and Textiles	Retired
(2) Kum. Savitri Pandit	Reader, Clothing and Textiles	Retired
(3) Kum. Jaya D. Amin	Lecturer, Child Development	Resigned
(4) Smt. Shashi Naik	Lecturer, in Biology	Resigned
(5) Prof. ( Miss ) P. S. Chari	Professor, Education & Extension	Retired

### 4. Professional Growth of the Staff

#### (a) Published Articles/Papers :

Sr. No.	Name	Title	Name of the Journal wherein published with month of publication
Child Development			
(1)	Prof. (Mrs.) Amita Verma	(i) Child Development and Child Welfare Research and Social Policies  (ii) Preparing Child Develop- ment Workers in the Home Science College  (iii) University and College Stu- dents as Child Develop- ment Workers	Special Issue : Indian Journal of Social Work, October, 1979.  "Home Economics" Journal of International Federation of Home Economics, September, 1979.  Unesco Unit for Co- operation with UNICEF and NFP, Paris Novem- ber, 1979.
(2)	Mrs. Prerna Mohite	The Concept of a normal child	Child Psychiatry Quar- terly, March, 1980.
(3)	Dr. (Mrs.) Veena Mistry	Reading Habits of young Chil- dren	The Book Review, Nov. Dec., 1979.
(4)	Dr. (Miss) T. S. Saraswathy	Maternal Child rearing prac- tices, their implications for education for child rearing	Special IYC issue.

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

Sr. No.	Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the Paper Presented
Child Development :			
(1) Prof. ( Mrs. ) Amita Verma	Seminar on Planning and Implementation of Social Welfare Services, Gandhinagar, February, 1980	" Basic Services for children "	



Sr. No.	Name of the Teacher	Name, Place and Date of the Conference/Seminar	Title of the paper presented
(2)	Dr. (Miss) T. S. Saraswathy	Continuity and Discontinuity in Behavioural Development, Lund, Sweden, June, 1979	"A short term longitudinal study of moral judgement in Indian children."
(3)	Mrs. Reshma Zaveri	Population Education and Population Situation Udaipur, November, 1979	"Strategy for population Education for school going and non-school going adolescents."
Foods and Nutrition :			
(4)	Prof. Tara Gopaldas	(i) Fifth Annual Conference of the Indian Association for the Study of Population on Population Dynamics and Rural Development IIT Powai, Dec., 1979	"The Nutritional and Health Profile of the the Rural Child-Implications in Population Dynamics".
		(ii) XVIII National Conference of the Indian Academy of Pediatrics, Bangalore 28th Feb., 2 March, 1980	"A Nutritional Status Study on Privileged Adolescent Gujarati Boys (10-18 Yrs ).
		(iii) Thirteenth Annual meeting of the Nutrition Society of India. 23-24 Feb. 1980, NIN, Hyderabad	"A Nutritional Status Study on Privileged Gujarati Boys (4-9 years)".
(5)	Mrs. S. Seshadri	Seminar on Planning and Implementation of Social Services Jointly by Govt. of Gujarat and UNICEF, Gandhinagar, Feb. 1980	"Impact of Iron Folic Acids Supplementation on the Blood and Hemoglobin of Pre-School Children in Balwadi Nutrition Programme, and School Children in the MDM Programme."

## (c) Talks given at different University/Institutions :

Sr. No.	Name of the Teacher	University/Institution	Subject of the Lecture
Foods and Nutrition :			
(1)	Prof. (Mrs.) Tara Gopaldas	(i) National Institution of Nutrition, Hyderabad	The Evaluation of the ICDS Programme.
		(ii) Home Science College A.P. Agriculture University, Hyderabad	Nutrition-Health Education in project 'Poshak'.

## (d) Participation in Inservice Programme :

	Name of the Teacher	Programme, Place and Date	Capacity in which participated
Child Development :			
(1)	Prof. (Mrs.) Amita Verma	(i) Regional Workshop on Research/Evaluation in Home Economics/Family Planning, Khatmandu, Nepal, May, 1979	Participant
		(ii) National "International Year of Child" Conference, Delhi, April, 1979	Observer
(2)	Dr. (Miss) T. S. Saraswathy	(i) Seminar on "Family the natural environment of the child" Milan, Italy, June, 1979	Participant
		(ii) Seminar on Planning and implementation of Social Welfare Services, Gandhinagar, February, 1980	Observer
(3)	Miss Kiran Parekh	Mental health of a child, Medical College Baroda Nov. 1979	Panel Member
(4)	Dr. (Mrs.) Yogini Pathak	(i) Indian Science Congress 67th Session, Calcutta, February, 1980	Participant



Sr. No.	Name of the Teacher	Programme, Place and Dates	Capacity in which participated
		(ii) International Year of Child Regional Seminar Gujarat, Baroda, Nov. 1979	Participant
		(iii) Innovative child welfare services, Faculty of Social Work, Baroda, March, 1980	Participant
(5)	Dr. (Miss) Jyoti Parikh	(i) International Year of Child Seminar on Training and Rehabilitation of mentally retarded children, Baroda, September, 1979	Participant
		(ii) International Year of Child Seminar on Training of Developmentally Handicapped children and their parents, B. M. Institute, Ahmedabad, December, 1979	Participant
(6)	Mrs. Aruna Dave	Annual I.A.P.E. Conference on the Child in the Family at Gandhigram, Dec. 1979	Participant
(7)	Miss Beena Achapal	Seminar on Role of Women in Rural Development, March, 1980	Observer
(8)	Miss Amita Fozdar	I.A.P.E. Conference on the Child in the Family, at Gandhigram, December, 1979	Observer
(9)	Miss Indira Mallya	First Course on Welfare of the Rural Child at the National Institute of Rural Development at Hyderabad, in August, 1979	Participant

Sr. No.	Name of the Teacher	Programme, Place and Date	Capacity in which participated
		Foods and Nutrition :	
(10)	Dr. (Mrs.) Tara Gopaldas	(i) Workshop on innovation in Food Sciences Technology to meet nutritional needs, organised by the Protein Foods and Nutrition Development Association of India, Bombay, November 1979	Attendant
		(ii) Inter-Country Workshop of WHO, Regional Office for South-East Asia on an Action Research Programme in Nutrition for the Developing Countries, June 1979 at New Delhi	Invite as one of India's 3 representatives to this workshop.
(11)	Mrs. A. Patil, Mrs. P. Mehta and Miss U. Patel	Workshop, Laboratory and Household Methods for Detection of Food Adulteration at Sir Vithaldas Thackersey College of Home Science, Bombay, June 1979	Participants
		Home Management :	
(12)	Dr. (Miss) N. Ogale	Workshop on Better Teaching Methods for Home Science Teachers in Andhra Pradesh, Dept. of Home Science, S. V. University, College of Arts and Science, Tirupati, June 1979	Resource person

##### 5. Activities of Newly Established Special Type of Centres Units in the Faculty

###### Child Development :

- (a) The Department undertook several new experiments as part of the regular field work programme in order to meet the objectives of the International Year of Child.



(b) The Chetan Balwadi Laboratory Nursery School conducted the following special programmes :

- (i) A play centre was started for the lower socio-economic group of children between the ages 6 to 12 years in the premises of the Balwadi.
- (ii) Visits from various agencies were arranged under the 'Getting to Know' programme of the Chetan Balwadi.

#### 6. Faculty Union Activities

- (1) The students participated in the competitions of 29th University Youth Festival 'Campus Harvest' and won several prizes.
- (2) As a concluding function of the International Year of Child, the E.C. held a children's film festival in collaboration with the National Children Film Society, Bombay on 9th March, 1980.
- (3) On 12th and 13th March, 1980, the Faculty celebrated its Annual Day. This occasion was also used to bid farewell to Prof. (Miss) P. S. Chari, Dean of the Faculty to Miss Savitri Pandit, Reader in Clothing and Textile Department, and to Mrs. Suvarnaben Chhaya teacher at the Chetan Balwadi.
- (4) The students participated in Annual Camp of NSS Youth for Rural Reconstruction at Rangpur. They were also invited to participate in the Golden Jubilee Celebration Camp at Dandi.
- (5) The students presented two programmes on the Faculty on AIR.

### CHAPTER XV—FACULTY OF SOCIAL WORK

#### 1. Courses of Studies

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

#### 2. Number of Students

The number of students enrolled during the year 1979-80 was as under :

Class	Men	Women	Total
(1) Master of Social Work —Junior	29	20	49
(2) Master of Social Work —Senior	32	12	44
(3) Ph.D. in Social Work	—	1	1
(4) Post-graduate Diploma in Industrial Relations and Personnel Management	21	2	23
Total :	82	35	117

#### 3. Staff

##### (a) Present Position :

The staff of the Faculty consisted of 1 Professor, 3 Readers, 7 Lecturers, 9 Class III and 7 Class IV employees.

#### 4. Professional Growth of the Staff

##### (a) Participation in In-Service Programme :

Name of the Teacher	Programme, Place and Dates	Capacity in which participated
(1) Dr. S. R. Yardi	(i) Seminar on "Children Participant Seminar in Possibilities and Eighties Challenges" organised by Department of Social Welfare, Bombay, June 1979	



Name of the Teacher	Programme, Place and Dates	Capacity in which participated
	(ii) Seminar on "Social Policy" sponsored by Association of School of Social Work in India at Hyderabad, June, 1979	Chairman, Sectional Meeting
	(iii) National Seminar on "Family Care for the Child in Need. The New Trend" organised by National Institute of Public Cooperation and Child Development, New Delhi, Sept., 1979	Chairman, Sectional Meeting
	(iv) National Seminar on "Community Work with Urban Poor" by Association of School of Social Work in India at Madras, Feb., 1980	Participant
(2) Shri I. P. Shelat	(i) Biennial Conference of Indian Council of Social Welfare, Hyderabad, Sept., 1979	Participant
	(ii) National Workshop on Poverty and Developments of Indigenous Teaching Materials at Bangalore, Nov. 1979	Participant
	(iii) Sub-Regional Workshop for India, Bangladesh and Shrilanka at Madras from Dec. 1979	Participant
(3) Smt. V. N. Anjaria	(i) 4th Gujarat State Safety Conference on "Home Safety" from 27th to 29th April, 1979	Participant

Name of the Teacher	Programme, Place and Dates	Capacity in which participated
	(ii) Panel Discussion on Child Mental Health by Gujarat Psychiatric Society on 25th November, 1979	Participant
	(iii) Talk on "Case Work and Counselling is helping device in reference to suppression of Immoral Traffic" by Indian Council of Social Welfare and National Institute of Social Welfare on 15-6-1979	Participant
(4) Shri S. B. Saxena	(i) "Just World Week" Programme in Calcutta, Dec. 1979,	Delegate and Secretary for Workshop No. 2.
	(ii) Conference on "Ideological Perspective of Development and Aid organised by Young Men's Welfare Society, Calcutta in collaboration with Lutheran World Service, India Dutch Inter-Church Aid and Service to refugees Netherlands and Centre for International Reconciliation Coventry, U.K., Dec. 1979	Delegate and Secretary for Workshop No. 2.
	(iii) Lecture on "Communication and Adult Education" Training Programme for Adult Education Educators organised by Department of Continuing Education, M. S. University of Baroda, May 1979	Guest Lecturer



Sr. No.	Name of the Teacher	Programme, Place and Dates	Capacity in which participated
(5)	Shri Anil S. Navale	(i) Programme Planning Meeting of Coordinators at Gujarat University, Ahmedabad, July 1979	Participant
		(ii) Workshop on Family Welfare and Population Education organised by Government of Gujarat at New Civil Hospital, Ahmedabad August 1979	Participant
		(iii) Planning Meeting for the involvement of University Students in Morvi Flood Relief Work organised by Western Zonal Centre, Ministry of Education, Government of India at Ahmedabad, September 1979	Participant
		(vi) Project Planning for Golden Jubilee Celebrations of Dandi Satyagraha organised by Western Zonal Centre, Ministry of Education, Government of India at Ahmedabad, March 1980	Participant
		(v) Orientation Programme for Key-personnel of NSS organised by Osmania University, Hyderabad, Nov. 1979	Participant
		(vi) All India Short Term Institute in methods of Teaching and Evaluation organised by Centre of Advanced Study in Education, M. S. University, Baroda on Nov. 1979	Guest Lecturer

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

Sr. No.	Name of the Teacher	Name, Place and Dates of the Seminar/Conferences	Title of the Paper presented
(1)	Smt. V. N. Anjaria	B. J. Medical College and B. M. Institute, Ahmedabad on Jan. 1980	"Social Aspect of Training of Medical Undergraduate"
(2)	Shri Anil S. Navale	(i) Training Programme for NSS Programme Officers of Universities in Gujarat organised by Sardar Patel University, Vallabhidyanagar, Nov. 1979	"Areas of work in NSS."
		(ii) Expert Committee Meeting for preparing NSS Manual organised by Ministry of Education, Government of India, New Delhi, Jan. 1980	Draft of NSS Manual.

## (c) Talks given at different Universities/Institutions :

Name of the Teacher	University/Institution	Subject of the Lecture
(1) Dr. S. R. Yardi	Viswa Bharati Sriniketan, February 1980	(i) Recent Trends in Social Work (ii) Recent Trends in Personnel Management.

## 5. Library

The University has sanctioned a recurring grant of Rs. 2,000/- for subscription of periodicals and Rs. 2,500/- purchase of Books.

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



Sr. No.	Books including Bound periodicals	Pamphlets	Total value in Rs.
(1) Number at the beginning of the year	9635	2525	1,37,082-76
Total :	9635	2525	1,37,082-76

*Periodicals :* The total number of periodicals subscribed to by the Library during the year was 20.

*Circulation of Books :*

The Library remained open from 8-00 a.m. to 6-00 p.m. on week days and 8-00 a.m. to 2-00 p.m. on Saturday.

The following figures give the statistics of the Library :

- (1) Daily average of readers visiting the Library — 80
- (2) Daily average of books issued for home-reading — 110
- (3) Daily average of teachers visiting the Library — 14
- (4) Daily average of books issued for reference — 100

## 6. Important Events

A seminar on Innovative Child Welfare Service was organised by the Faculty on 22nd March, 1980.

## 7. Child Guidance Clinic

Faculty of Social Work and Indian Council of Social Welfare established a Child Guidance Clinic in 1973 with a view to providing field work training to students and services to emotionally disturbed children. The services are carried out with the help of a team of experts including psychiatrist, clinical psychologist, speech therapist and social worker. So far, 300 children have been treated in this clinic. The services have also been developed in the area of learning disabilities.

Behavioural and emotional problems of children are taken care for sounder growth and development. The clinic helps parents also for scientific way of socialization, psychogenic factors and social pathology have also been emphasised in guiding problem children's family members. Play Therapy and Counselling help those who are troubled with socio-emotional problems.

8. The responsibility of the implementation of National Service Scheme Programme of the M. S. University of Baroda is given to the Faculty of Social Work.

## 9. Visitors

Sr.No.	Name of the Visitor	Date of Visit
1.	Dr. A. G. Patel, Superintendent, S.P.T.B., Sanatorium	17-7-1979
2.	Fr. K. M. Heredero, Behavioural Science Centre, St. Xaviers College, Ahmedabad	19-12-1979
3.	Dr. K. D. Gangrade, Visiting Professor, Tata Institute of Social Science, Bombay	4-1-1980
4.	Miss Kety Niami, Bombay University	11-1-1980
5.	Mrs. Ela R. Bhatt, General Secretary, Gandhi Majoor Sevalaya, Ahmedabad	25-1-1980
6.	Promila Kapoor, New Delhi	28-1-1980
7.	Dr. Rosamary Mills, British Council, Bombay	1-2-1980
8.	Dr. V. G. Mhetras, Director of Bombay Labour Institute, Bombay	8-2-1980
9.	Mr. S. B. Pathak, Department of Social Work, University of Delhi, Delhi	11-2-1980
10.	Smt. Rukmini Mahadevan, Secretary, Working Mothers, Bombay	22-3-1980
11.	Dr. Ashok Nir Phadke, Gana Prabhodini, Poona	22-3-1980
12.	Shri Prasant Panchal, Shreyas Foundation, Ahmedabad	22-3-1980



## CHAPTER XVI—FACULTY OF LAW

### 1. Courses of Studies

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

### 2. Number of Students

Class	Men Students	Women Students	Total
(1) Degree Courses :			
(a) Ist Semester of LL.B. Course	453	65	518
(b) 3rd Semester of LL.B. Course	171	18	189
(c) 5th Semester of LL.B. Course	107	14	121
Total :	731	97	828
(2) Post-graduate Diploma :			
(a) D.T.P.	124	15	139
(b) D.L.P.	122	11	133
Total :	246	26	272
(3) Post-graduate Degree :			
(a) LL.M. Part I	31	5	36
(b) LL. M. Part II	7	1	8
Total :	38	6	44
(4) Ph.D.	1	—	1
Grand Total :	1016	129	1145

### 3. Staff

During the year, staff consisted of One Professor, One Reader, Four Lecturers, Five Class III and Four Class IV employees.

### 4. Professional Growth of the Staff

#### (a) Published Articles/Papers :

Name	Title	Name of the Journal wherein published with month of publication
Prof. H. C. Dholakia	(1) Law School Clinic : A Centre for information and Advice	Kurukshetra Law Journal (1979-80).
	(2) Habeas Corpus Case : A Critique	Indian Law Review, Bombay (1979-80).
	(3) Lokpal : A Comparative View	Journal of the Bar Council of India, New Delhi (1979-80).
	(4) Corporate Personality and Fundamental Rights	Indian Journal of Comparative Law (1979-80)

#### (b) Published Books and Brochures :

Sr. No.	Name of the Author/s	Name of the Book	Name of the publishers
(1)	Prof. H. C. Dholakia	"Administrative Law" (in Gujarati)	The University Granth Nirman Board, Gujarat State.
(2)	Prof. H. C. Dholakia	A chapter on "The States" in the book on Constitutional Law of India	The Bar Council of India Trust, New Delhi.

#### (c) Professional Recognition :

- (1) Professor H. C. Dholakia has been elected to the Governing Council of the Indian Law Institute, New Delhi for a term of three years 1979-1982.
- (2) Professor H. C. Dholakia was invited to work as an Expert for the U.G.C. Workshop on Administrative Law for Law Teachers for the Western Region.



## 5. Faculty Union Activities

Annual Day of the Faculty of Law was celebrated on 7th March, 1980 at the General Education Auditorium.

## 6. Visitors

Name and Designation	Subject of Lecture
(1) Dr. V. D. Kulshreshta, Research Professor, Indian Law Institute, New Delhi	Company Law
(2) Shri Dwijenbhai Desai, Secretary, Gujarat Vidhan Sabha	Parliamentary Procedure

## CHAPTER XVII—ORIENTAL INSTITUTE

1. The main work of the Institute is research and publication of important unpublished works on all subjects related to Indology. In the year 1949, when the Institution was taken over by the University, it had 109 volumes in the Gaekwad's Oriental Series and 516 other books. At the close of the year of report the number of publications stood at 168 in the Gaekwad's Oriental Series and 620 for other books.

The publications are under the following Series :

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

Moreover the following two Quarterly Research Journals are being published :

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

## 2. Post-graduate Teaching

As a part of the scheme of co-ordination of the teaching of 14 Shastras of Sanskrit in the University, three members of staff of the Institute teach different Shastras to the post-graduate students in Sanskrit while one, who has now retired, was recognised post-graduate teacher in Gujarati.

In 1963 Prakrit was introduced as a subordinate subject at B.A. and M.A. levels and Shri J. P. Thaker, Deputy Director of this Institute, has been teaching Prakrit since then at Post-graduate level. The Institute teachers continue to participate in the teaching programme of the Faculty of Arts. It also continues to offer facilities for studies in Prakrit for the B.A. and M.A. levels.

## 3. Staff

### (a) Present Position :

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



## 4. Professional Growth of the Staff

## (a) Published Articles/Papers :

Name	Title	Name of the Journal wherein published with month of publication
(1) Professor A. N. Jani	(i) सर्जातुं संस्कृत साहित्य	Svadhyaya, Vol. 16 No. 3, May, 1979
	(ii) मानव जीवनमां भृतितुं महत्त्व	Yugaprabhava, Dipotsavi issue, October, 1979
	(iii) विनायक अष्टोत्तर शत नामीतात्रनां अर्थे	पुष्पांजलि—पू. श्री वासुदेवानंद सरस्वती स्वामि महाराजा सप्ताद शताब्दी ग्रंथ
	(iv) माताजीना मधु पानतुं रहस्य	Nareshvarano-nada Vol. 2, No. 24, March 1980.
	(v) Arrangement of Phonemes in the Varnasamamnya	Indica, Vol. 16, No. 1, FR. Esteller Felicitation
	(vi) अथर्ववेद	Vedapurana-Saurabha, April, 1979
	(vii) देवी भागवत पुराण	Vedapurana-Saurabha, April, 1979
	(viii) बडोदराना विद्वानोनी नामावलि	Vedapurana-Saurabha, April, 1979
	(ix) पंडितोनो परिचयः	Vedapurana-Saurabha, April, 1979.
	(a) प्रो. गोविन्दलाल ह. भट	
	(b) श्री. छोटु महाराज	
	(c) जयशंकर शुक्ल	
	(d) वेदमूर्ति पं. सातवलेकरजी	
	(e) महाशंकर सेतोराम शुक्ल	
	(f) बालशंकर पंडित	
(2) Shri J. P. Thaker	(i) महाभारत	Vedapurana Saurabha, April, 1979.
	(ii) अग्निपुराण	Vedapurana Saurabha, April, 1979
(3) Dr. B. N. Bhatt	पद्मपुराण	Vedapurana Saurabha, April, 1979.
(4) Shri P. H. Joshi	(i) Select Contents of Oriental Journals	Journal of the Oriental Institute, Vol. 28, Nos. 3-4, March-June, 1979.

Name	Title	Name of the Journal wherein published with month of publication
	(ii) Select Contents of Oriental Journals	Journal of the Oriental Institute, Vol. 29, Nos. 1-2, September-December, 1979
	(iii) कूर्मपुराण	Veda-Purana Saurabha, April, 1979.
(5) Shri B. P. Pandya	(i) गरुडपुराण	Veda-Purana Saurabha April, 1979.
	(ii) वराहपुराण	Veda-Purana Saurabha, April, 1979.
	(iii) सत्यदत्त कथा	पुष्पांजलि Pujya Vasudevananda Saraswati Swami Maharaja Smarakanka November, 1979.
(6) Shri S. Y. Wakankar	वायु-पुराण	Veda-Purana Saurabha, April, 1979.
(7) Dr. M. M. Pathak	(i) Problem of the Identification of Santa, the wife of Rsyasrnga	Bharatiya Vidya, Vol. 39, No. 4, December, 1979.
	(ii) Paitamaha Sacrifice and the Origin of Sutas and Magdhas according to Vishnu-purana	Purana, Vol. 22, No. 1, January, 1980.
	(iii) विष्णुपुराण	Veda-Purana Saurabha, April, 1979.
(8) Dr. D. S. Joshi	(i) कवि गिरधरनी कृतिओ	Svadhyaya, Vol. 17, No. 1, Dipotsavi issue
	(ii) गरुडेश्वर माहात्म्य	Pujya Vasudevananda Saraswati Swami Maharaja—125th anniversary day Smarakanka, पुष्पांजलि November, 1979.
	(iii) गिरधर रामाभण पर तुलसीदासका प्रभाव	Manasa Samachar, Vol. 7, No. 1, October, 1979.



## (b) Talks given at different Institutions/Universities :

Sr. No.	Name of the Teacher	Institute/University	Subject of the Talk
(1)	Professor A. N. Jani	(i) Narayanamatha, Baroda, May, 1979	Sankaracharya—His Life and Philosophy
		(ii) Yuvaka Netrutva Talim Shibir, Vallabhavidyanagar — May, 1979	Sanskrit language and Culture
		(iii) Seminar on Sanskrit Drama and Dramaturgy organised by Department of Sanskrit, Gujarat University, Ahmedabad — June, 1979	Purvaranga Plot and its Development, Modern Sanskrit Dramatists.
		(iv) Ganganatha Jha Kendriya Sanskrit Vidyapith, Allahabad — Aug., 1979	The Origin of Yantras.
		(v) Ganganatha Jha Kendriya Sanskrit Vidyapith, Allahabad — Aug., 1979	Sriyantra and its spiritual symbolism.
		(vi) Navjivan Arts College, Dahod, Aug., 1979	Vikramorvasiya — An appreciation.
		(vii) Max Muller Bhavan, Bombay, Oct., 1979	An Illustrated Manuscripts of Panchatantra
		(viii) Max Muller Bhavan, Poona, Oct., 1979	An Illustrated Manuscripts of Panchatantra

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

Sr. No.	Name	Name, Place and Dates of the Conference	Title of the Paper
(1)	Shri J. P. Thaker	Go-Vijnana Conference held at the Bharatiya Vidya Bhavan, Bombay, October, 1979	Go-Vijnana Manuscripts in the Oriental Institute.

## (d) Participation in Inservice Program :

- (i) Awarded a cash prize of Rs. 225 by the Sardar Patel University, Vallabh Vidyanagar, for a paper on 'गरुडानी व्युत्पत्ति, उत्पत्ति अने रहस्य' adjudged best for the award of "Hari Om Ashram Prerit Bhaikaka Inter University Smaraka Trust" prizes for the year 1979-80 (Group B).
- (ii) Attended on 20-12-1979 a Seminar on Ramayana and spoke on 'Cultural Importance of Ramayana' at Arts College, Lunavada.
- (iii) Editor of (1) Veda-Purana Saurabha (2) Shri Vasudevanand Saraswati Swami-Maharaj Sapad-Satabhdi Mahotsava Volume 'Pushpanjali'.
- (iv) Attended on 30-12-1979 a Seminar on Datta-Sampradaya at Pisacheshvar Mahadev, Jambusar.
- (v) Delivered a lecture on 7-1-1980 on 'Sakti-Stotrani' under the scheme of continuing education at SNTD Women's University, Bombay.
- (vi) On 21/22-3-1980 presided over two lectures by Smt. Radha Burnier at the Reva Lodge, Theosophical Society, Baroda.
- (2) Dr. D. S. Joshi :
- (i) Given a lecture on 'अवधूतनी गतिशीलता' at Avadhuta Parivar, Jambusar on 24-2-1980.

## 5. Manuscripts Section

This Section has a collection of 26,222 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 54 were added during the year out of which 6 were purchased and 48 were received as gift from (1) Shri Rasiklal Maneklal Pandya, Baroda, (2) Shastri Amrutlal Purani, Waghodia, Dist. Baroda, (3) Shri N. D. Desai, Baroda, (4) Shri Shriram N. Jogalekar, Baroda, and (5) Shri Kantilal Chunilal Acharya.

During the year, 10 manuscripts were lent out to other Institutions, 22 to local scholars and 188 were issued for work on the premises of the Institute.

## 6. Printed Books Section

The Institute has a well-equipped Library having a collection of 39,382 books.

## (A) Books :

This year the library received a grant of Rs. 2,700 from the University. A grant of Rs. 500 was also received for purchase of books for the Vishnupurana Project.



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

	Books including bound periodicals	Total Value Rs.
Total Number of Volumes of the year	38,692	4,19,312-02
Number added during the year	690	3,148-33*
Total :	39,382	4,22,460-35

Out of the total number of books added during the year, 72 were purchased at the cost of Rs. 3,148-23 p. and 618 books were received as gift and/or on exchange basis.

(B) Periodicals :

The total number of periodicals and scholarly journals subscribed to and received on exchange basis now stands at 193 (7 subscribed and 186 exchange).

7. Publications

(a) Gaekwad's Oriental Series :

- (i) Krtiyakalpitaru — Vol. IX  
(Pratisthakanda)

by late Shri K. V. Rangaswami  
Ayianganar

- (ii) A Descriptive Bibliography of  
Pancaratragama, Vol. II

by Prof. H. Daniel Smith

(b) M. S. University Oriental Series :

Tilakamanjarikathoddhara —

by Shri N. M. Kansara

8. Translation Branch

The following works were printed during the year :

(a) Shri Sayaji Sahityamala :

- (i) આધુનિક ગુજરાતના સંતો ભાગ-૨

by Shri K. A. Thakkari

- (ii) चांपानेर: एक अध्ययन

by Prof. R. N. Mehta

- (iii) દારકા પ્રદેશનો સાંસ્કૃતિક ઇતિહાસ

by late Prof. Kalyanrai N.  
Joshi

(b) Shri Sayaji Balajnanamala :

સંત નામદેવ જીવન અને કવન

by Shri Y. P. Musale

9. Vishnupurana Project

Collation of six manuscripts (Three Devanagari Manuscripts — i.e. D12, D13 and D14; two Grantha Manuscripts i.e. G3 and G4; one Sarada Manuscript S3) has been completed.

Preparation of third and fourth sets of vulgate text is in progress (1st book of the Purana being completed).

Dr. M. M. Pathak, Assistant Editor, has been collecting quotations from Vishnu-Purana as found in the Smriti works, presenting the form of the text of the Purana earlier than that of any extant manuscript.

10. Journal of the Oriental Institute

During the year Nos. 3 and 4 of Vol. 28 and Nos. 1-2 of Vol. 29 were published. 159 and 89 subscribers were registered for Vol. 28 and 29 respectively and 152 copies were sent on exchange basis. The Journal is specially devoted to research studies in Indology and Oriental learning.

11. Gujarati Journal 'Svadyaya'

During the year, Nos. 3 and 4 of Vol. 16 and Nos. 1 and 2 of Vol. 17 were published. 181 and 98 subscribers were registered for Vols. 16 and 17 respectively and 34 copies were sent on exchange basis.

12. Visitors

Sr. No.	Name and Designation	Date of Visit
(1)	Dr. Satish Chandra, Chairman, University Grants Commission, New Delhi	7-4-1979
(2)	Mr. N. Harinarayana, Director of Museums, Tamilnadu	26-4-1979
(3)	Shri M. N. Buch, Director of Higher Education, Govt. of Gujarat, Gandhinagar	2-6-1979
(4)	Prof. Hasit H. Buch, Director of Languages, Govt. of Gujarat, Gandhinagar	2-6-1979
(5)	Prof. George Cardona, Professor of Linguistics, University of Pennsylvania, Philadelphia, Pa, U.S.A.	13-6-1979
(6)	Shri P. Sabbanaikam, Secretary, Ministry of Education, Govt. of India, New Delhi	7-7-1979
(7)	Dr. P. N. Kauthekar, Vice-Chancellor, Vikram University, Ujjain	13-8-1979



Sr. No.	Name and Designation	Date of Visit
(8)	Dr. Ram Gopal, Professor and Chairman (Kalidas), Panjab University, Changigarh	10-10-1979
(9)	Mr. Abdul Sattar, H.E. Ambassador of Pakistan, New Delhi	15-11-1980
(10)	Dr. Peter Schreiner, Associate Professor, University of Tübingen, Muntgarse-30, West Germany	14-12-1979
(11)	Dr. Parmeshwarilal Gupta, Ex-Director of Patna Museum, Varanasi	15-12-1979
(12)	Mr. Laxmi Narayan Tiwari, Librarian, Saraswati Bhavan Library, Varanasi	14-12-1979
(13)	Dr. Priyatosh Banerjee, Consultant, National Museum, New Delhi	17-12-1979
(14)	Mr. Joya Mary Leish Potter, Company Director, The Cryscent, Sydney, Australia	30-1-1980
(15)	Prof. B. Ramachandra Rao, Vice-Chairman, University Grants Commission, New Delhi	25-2-1980
(16)	Dr. (Smt.) Kanak Rele, Dean, Faculty of Fine Arts, University of Bombay, Bombay	28-3-1980
(17)	Prof. Y. A. Ashar, Head, Fine Arts Department, Darwin N.T. 5794, Australia	31-3-1980

## CHAPTER XVIII—COLLEGE OF INDIAN MUSIC, DANCE AND DRAMATICS

### 1. Courses of Studies

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

(b) A One year Post-Diploma Drama course (Specialisation in Acting) was introduced from this year.

### 2. Number of Students

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

Year/Class	Men	Women	Total
(a) <i>Diploma Courses :</i>			
1st Year	229	133	362
2nd Year	112	73	185
3rd Year	54	69	123
4th Year	38	50	88
5th Year	28	30	58
Total :	461	355	816
(b) <i>Post Diploma-Drama</i> (Specialisation in Acting)	9	1	10
Total	9	1	10
(c) <i>Degree :</i>			
1st Year	10	15	25
2nd Year	4	8	12
3rd Year	10	11	21
4th Year	13	5	18
5th Year	—	—	—
Total :	37	39	76
(d) <i>Post-graduate Degree :</i>			
Junior	4	5	9
Senior	1	4	5
Total :	5	9	14
(e) <i>Ph.D.</i>	5	1	6
Grand Total :	517	405	922



### 3. Staff

#### (a) Present Position :

The staff of the College consisted of 3 Professors, 2 Readers, 31 Lecturers, 5 Tabla Accompanists, 9 Class III, 11 Class IV employees.

#### (b) New Appointments :

(1) Shri Markand Bhatt	Professor in Drama
(2) Shri C. V. Chandrasekhar	Professor in Dance
(3) Shri N. V. Patwardhan	Professor in Music (Vocal)
(4) Kum. Shubhada L. Desai	Lecturer in Music
(5) Shri Narayan K. Bhanwaria	Lecturer in Sitar
(6) Shri Ishvar K. Jadav	Lecturer in Music
(7) Shri K. M. Barodia	Lecturer in Sitar

#### (c) Teachers who left the University :

Shri Bharatji Vyas, Lecturer in Music Died on 29-4-1980.

### 4. Professional Growth of the Staff

#### Department of Dramatics :

- (i) "Paritran" a play produced by Prof. Markand Bhatt, was telivised on Bombay T.V. and was well received.
- (ii) The Department produced a new play 'Dhara-Gurjari' and presented it at the Gujarati Sahitya Parishad at Baroda on 19th and 20th Jan. 1980. It was also well received.

### 5. Faculty Union Activities

- (i) A Garba Mahotsav was arranged on 28th and 29th Sept., 1979. All the teachers, Non-teaching staff members and students participated in Garba.
- (ii) A Tour was arranged to Mandagadh from 26-1-1980 to 28-1-1980 by students in which 45 students and 4 teachers participated.
- (iii) A Performing Arts Festival of Students Association was arranged from 26-2-1980 to 1-3-1980 in Mahatma Gandhi Nagar Gruh.

### 6. Library

The College Library remains open from 9-00 a.m. to 12-00 noon and from 5-00 p.m. to 8-00 p.m. on all working days. The details regarding the average daily attendance of students and teachers in the Library and the reading-room and number of books issued to them are as under :—

Number

- (i) Average number of students making use of Library and/or reading room per day. 83
- (ii) Average number of teachers making use of Library and/or reading room per day. 22
- (iii) Total number of books issued to students during the year 4091
- (iv) Total number of books issued to teachers during the year 1971

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

Particulars	Number	Cost in Rs.
(i) Books (including back numbers of Journals) as on 1-4-1979.	9003	95,705-15
(ii) Books added during the year	59	1,082-32
(iii) Books as on 31-3-1980	9062	96,787-47
(iv) Journals subscribed to during the year	23	—
(v) Amount spent on binding during the year	—	189-20
(vi) Total amount spent for Library and/or Reading room during the year.	—	1,271-52

### 8. Visitors

Name	Designation	Date of Visit
(1) Shri R. V. Chandramauli	Secretary, Education Department	21-9-1979
(2) Smt. Rukmini Devi Aurndale	Director, Kalakshetra, Madras	12-3-1980 13-3-1980



## CHAPTER XIX—BARODA SANSKRIT MAHAVIDYALAYA

### 1. Courses of Studies

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

### 2. Number of Students

Number of students enrolled in various classes during the year 1979-80 was as under :

Courses	Men	Women	Total
(1) Pratham Kaksha (Certificate) :			
1st Year	15	—	15
2nd Year	12	—	12
3rd Year	13	—	13
Total :	40	—	40
(2) Madhyam Kaksha (Visharad) :			
(i) Vyakaran Shastra :			
1st Year	7	1	8
5th Year	1	—	1
Total :	8	1	9
(ii) Jyotish Shastra :			
1st Year	12	1	13
2nd Year	6	—	6
3rd Year	2	—	2
4th Year	3	—	3
5th Year	1	—	1
Total :	24	1	25
(3) Uttam Kaksha (Shastri)			
(i) Vyakaran Shastra :			
1st Year	—	—	—
2nd Year	—	—	—

Courses	Men	Women	Total
(ii) Jyotish Shastra :			
1st Year	2	—	2
2nd Year	1	—	1
(iii) Dharma Shastra :			
1st Year	—	—	—
2nd Year	1	—	1
(iv) Sahitya Shastra :			
1st Year	—	2	2
2nd Year	—	—	—
Total :	4	2	6
(4) Uttam Kaksha (Acharya) :			
(i) Vyakaran Shastra :			
1st Year	1	—	1
2nd Year	—	—	—
(ii) Jyotish Shastra :			
1st Year	—	—	—
2nd Year	—	—	—
(iii) Dharma Shastra :			
1st Year	2	—	2
2nd Year	1	—	1
(iv) Sahitya Shastra :			
1st Year	—	1	—
2nd Year	—	1	—
Total :	4	2	6
(5) Vachaspati :	—	—	—
(6) Veda Branches :			
Samaveda	6	—	6
Shukla Yajurveda	14	—	14
Rigveda	4	—	4
Atharvaveda	5	—	5
Total :	29	—	29
Grand Total :	109	6	115



Evening Part-time Students	Ist Semester			II Semester		
	Men	Women	Total	Men	Women	Total
(1) Geeta Class (Children Section)	7	3	10	—	12	12
(2) Geeta Class (Adult Section)	6	1	7	5	9	14
(3) General Jyotish	22	—	22	24	1	25
(4) General Palmistry	16	1	17	14	2	16
(5) Rigveda	2	—	2	1	—	1
(6) Samaveda	5	—	5	—	—	—
(7) Yajurveda Yajniki	27	—	27	14	—	14
(8) Shiksha Patri	—	—	—	—	—	—
(9) Atharvaveda	—	—	—	—	—	—
(10) General Ayurveda	3	1	4	3	1	4
Total :	88	6	94	61	25	86

### 3. Staff

#### (a) Present Position :

During the year under report, the staff of the institution consisted of the Principal as Professor, 2 Pradhyapakas, 2 Part Time Teachers (Pandits), 4 Upadhyapakas, 1 Full-time Teacher, 4 Gurus, 2 Class III and 4 Class IV employees.

#### (b) New Appointments :

- |                             |                                       |
|-----------------------------|---------------------------------------|
| (i) Shri N. C. Shukla       | Part-time Teacher in Jyotish Shastra  |
| (ii) Shri S. B. Shirgaonkar | Part-time Teacher in Vyakaran Shastra |
| (iii) Shri A. S. Pathak     | Teacher in Shukla Yajurveda Yajniki   |
| (iv) Shri L. K. Godse       | Guru in Shukla Yajurveda              |
| (v) Shri M. H. Oza          | Guru in Samaveda                      |
| (vi) Shri G. B. Marathe     | Guru in Rigveda                       |
| (vii) Shri L. N. Ghule      | Guru in Atharveda                     |

#### (c) Teacher who gives voluntary services to the Institution in Part-time evening class :

- (i) Ku. Lalwani Pushpa Bhojraj for Geeta (Children Section).

### 4. Professional Growth of the Staff

#### (a) Published Articles/Papers :

Name	Title	Name of the Journal wherein published with month of publication
(1) Professor P. K. Dongre	(i) Yajurveda and its Importance (ii) सम्पादकीयम् (iii) कर्मण्येवाधिकारस्ते	"Veda-Puran Saurabha" (28-4-1979). Saurabharati 1979-80. Surabharati 1979-80.
(2) Dr. J. R. Pathak	भगवान श्रीरामः	Surabharati 1979-80.
(3) Shri V. B. Prakashkar	(i) ऋग्वेदीयब्रह्मणस्पतिमूर्क देवतादिविमर्शः (ii) संतसौरभं वेदपुराण सौरभं च.	Surabharati 1979-80. Surabharati 1979-80.
(4) Shri R. N. Joshi	सारावली	Surabharati 1979-80.
(5) Shri P. S. Shukla	(i) गणेशस्तुतिः (ii) श्रीकृष्णस्तुतिः	Surabharati 1979-80. Surabharati 1979-80.
(6) Shri R. M. Shastri	श्री भास्कर जोशी महोदयानां परिचयः	Surabharati 1979-80.
(7) Shri N. C. Shukla	श्री लक्ष्मीकांतशा महोदयानां परिचयः	Surabharati 1979-80.
(8) Shri A. S. Pathak	पारायण ज्ञान महोत्सवः	Surabharati 1979-80.

#### (b) Talk given at different Universities/Institutions :

Name of the Teacher	University/Institution	Subject of the Lecture
(1) Professor P. K. Dongre	(i) Cultural Centre, Tirupati—A. P. (24-1-1980) (ii) Central Sanskrit Vidya-peeth, Tirupati (25-1-1980) (iii) Bhagavata Vidyapeeth, Ahmedabad (17-10-1979)	Role of the Southern Saints Sanskrit Education in India (Retrospects and Prospects). Importance of Veda Literature Ways and Means for its Preservation.



## (c) Participation in Inservice Programme:

Name of the Teacher	Programme, Place and Date	Capacity in which participated
(1) Dr. J. R. Pathak	The Dhyani Shibir arranged by Yogi Divine Society at Ubharat, Dist. Surat from 5-12-1979 to 9-12-1979	Participant
(2) Shri V. B. Prakashkar	The Janma-Sapada-Shatabdee Mahotsava of Late P. P. Shree Vasudevananda Sarasvatee Swamee Maharaj at Shree Garudeshwar from 2-11-1979 to 4-11-1979	Participant

## (d) Extension Lecture :

Lecturer	Subject	Date
(1) Dr. J. R. Pathak	माधकविः	13-8-1979
(2) Shri V. B. Prakashkar	शिक्षाव्यविचारः	6-9-1979
(3) Shri N. C. Shukla	सूर्यपुराणम्	26-12-1979

## 5. Extra Curricular Activities

- (1) Opening ceremony of 'Surabharati', the Annual Journal of Sanskrit Mahavidyalaya was held on 11-12-1979.
- (2) Antyakshari competition was held on 13-12-1979.
- (3) Elocution Competition in Sanskrit was arranged on 19-2-1980 for the award of the Medal of Sharda Peeth Jagadguru Shankaracharya Shri Abhinav Sachidanand Tirthaji Maharaj of Dwarka.
- (4) Sanskrit Day was celebrated on 13-8-1979.

## 6. Publications

The Seventeenth issue of 'SURABHARATI' in Sanskrit was published.

## 7. Library

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

Sr.No.	Particulars	Number
(1)	Average number of Students making use of the Library and/or the Reading Room daily	40
(2)	Average number of teachers making use of the Library and/or the Reading Room.	17
(3)	Total number of books issued to teachers during the year	400

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

Sr.No.	Particulars	Number	Cost in Rs.
(1)	Books (including back numbers of Journals as on 1-4-1979)	6013	31,755-62
(2)	Books added during the year	31	366-85
(3)	Books as on 31-3-1980	6044	32,122-47
(4)	Total amount spent for Library and/or Reading room during the year.	—	366-85

## 8. Visitors

Name and Designation	Date of the Visit
Shri R. V. Chandramaolavi, Secretary, Education Department, Government of Gujarat	21-9-1979



# CHAPTER XX—SHRI M. K. AMIN ARTS AND SCIENCE COLLEGE AND COLLEGE OF COMMERCE PADRA

## 1. Courses of Studies

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

## 2. Number of Students

Sr.No.	Year/Class	Men	Women	Total
<i>Degree :</i>				
<i>(i) Arts :</i>				
(1)	F.Y. B.A.	18	14	32
(2)	S.Y. B.A.	41	20	61
(3)	T.Y. B.A.	59	15	74
Total :		118	49	167
<i>(ii) Commerce :</i>				
(4)	F.Y. B.Com.	324	79	403
(5)	S.Y. B.Com.	217	25	242
(6)	T.Y. B.Com.	221	33	254
Total :		762	137	899
Grand Total :		880	186	1066

## 3. Staff

### (A) Present Position :

During the year, the staff of the College consisted of 1 Principal, 24 Lecturers, 1 Physical Instructor, 13 Class III and 12 Class Employees.

### (B) New Appointments :

Sr.No.	Name	Designation
(1)	Shri E. G. Macwan	Lecturer in Accounts
(2)	Dr. (Smt.) G. M. Parikh	Lecturer in Business Economics

## 4. Growth of the Staff

### (a) Published Books :

Sr. No.	Name of the Author	Name of the Book	Name of the Publisher with month of Publication
(1)	Dr. R. D. Pathak	(i) Sant Priya	Sant Kavi Sagar Prakashan Trust, Baroda 15-9-1979.
		(ii) 'My Lion' — The Mother man	Sri Aurobindo Centre, Champaklaljina sanidhya-Padra 30-9-1979

### (b) Papers presented at All India Level Seminars/Conferences :

Name of the Teacher	Name, Place and Date of the Conference/Seminar	Title of the paper presented
Dr. R. D. Pathak	Hindi Pradhyapak Parishad, Vallabh Vidyanagar	Stylistic Study of Hindi Fiction.

### (c) Talks given at different Universities/Institutions :

Sr. No.	Name of the Teacher	University/Institution	Subject of the Talk
(1)	Miss Saroj Sinha	Theosophical Society, Baroda	"Child Psychology".
(2)	Dr. R. D. Pathak	(i) Premanand Sahitya Sabha, Baroda	Life and Hindi Works of Poet Girdhar
		(ii) Sri Aurobindo Society, Baroda	Sri Aurobindo's 'The Mother and Savitri' a comparison.
		(iii) Sri Aurobindo Society, Baroda	'Maha Saraswati' as depicted in 'The Mother'.



## (d) Participation in In-Service Programme :

Name of the Teacher	Programme, Place and Date/s	Capacity in which participated
Dr. R. D. Pathak	A Conference of 'World Sanskrit Academy, Pondichari' held at Ujjain, in April, 1980 Spoke on : How to strengthen the study of Sanskrit?	Delegate

## 5. Faculty Union Activities

- (1) Two Debates were held during the year.
- (2) A Musical Morning and a Musical Evening Programme were organised during the year.
- (3) This year an Educational Tour to Nal-Sarovar was organised. 32 students participated.
- (4) The students participated in N.S.S. Camp held at MORBI and GORIAD.
- (5) 60 Students and 9 Members of the teaching staff donated blood this year.
- (6) Shri Jagadishchandra Sharma, student of T.Y.B.Com. is a winner of Boxing Championship at State level. At the National Level Championship, he has reached Semi-finals. He also won the trophy in Boxing at the University level.
- (7) Students participated and won prizes in the University Youth Festival, in Drama/Group Dance and Light Music. Another group of students took part in sports.
- (8) A "Kavi Sammelan" was arranged on 26-12-1979.
- (9) Under the Scheme of the Extra Mural Studies the following lectures were arranged by this College :

Sr.No.	Name	Date	Subject
1.	Shri Rohit Mehta	16-11-1979	"Problems of the World of Education"
2.	Dr. Madhusudan Parekh	7- 2-1980	"Gujarati Sahityaman Hasya-Rasa"

## 6. College Library

The college has a separate Library. It received a grant of Rs. 3,000/- for the purchase of books, a grant of Rs. 2,500/- for periodicals and Rs. 1,000/- for Binding charges from the University.

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

During Examination Session, facilities for reading were provided from 8-00 a.m. to 8-00 p.m. daily, even on Sundays and holidays, the Reading Room was kept open on students' request.

The following are the figures showing average daily attendance in the Reading Room and circulation of Books :

	Number
(1) Average number of students making use of the Library and/or the Reading Room daily.	280
(2) Average number of teachers making use of the Library and/or the Reading Room daily.	20
(3) Total number of books issued to students during the year.	21,325
(4) Total number of books issued to teachers during the year.	3,400

The following figures show the Stock and Expenditure on the Library and/or Reading Room :

Sr.No.	Particulars	Number	Cost in Rs.
(1)	Books (including back numbers of Journals as on 1-4-1979)	10,069	1,45,659-56
(2)	Books added during the year	76	394-59
(3)	Books as on 31-3-1980	10,145	1,46,054,15
(4)	Journals subscribed during the year	63	2,490-50
(5)	Amount spent on binding during the year	—	170-50
(6)	Total amount spent for Library and/or Reading Room during the year.	—	3,055-59

## 7. Visitors

Sr.No.	Name	Designation	Date
(1)	Shri Sundaram	Well known Gujarati Poet	17th July, 1979.
(2)	Shri M. K. Amin	Chief Donor of this College and leading Business-man, Bombay	8th March, 1980.



## CHAPTER XXI—POLYTECHNIC

### 1. Courses of Studies

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

(b) Post-Diploma Diploma Courses in Refrigeration and Air Conditioning are being transferred to Faculty of Technology and Engineering from the academic year 1980-81.

### 2. Number of Students

	Men	Women	Total
(a) Regular Courses :			
(1) Civil Engineering	351	3	354
(2) Mechanical Engineering	626	—	626
(3) Electrical Engineering	355	5	360
(4) Production Engineering	94	1	95
(5) Industrial Electronics	117	—	117
Total :	1543	9	1552
(b) Diploma Courses in Petro-Chemical Technology :	171	2	173
(c) Part-time Courses :			
(1) Civil Engineering	68	—	68
(2) Mechanical Engineering	204	1	205
(3) Electrical Engineering	146	—	146
Total :	418	1	419
(d) Post-Diploma Diploma in Refrigeration and Air Conditioning :	12	—	12
Grand Total :	2144	12	2156

### 3. Staff

#### (a) Present Position :

During the year under report the staff of the Polytechnic as on 31-3-1980 consisted of 1 Principal, 3 Readers, 74 Lecturers, 2 Senior Instructors, 73 Class III and 61 Class IV employees.

#### (b) Teachers who left :

Sr. No.	Name of the Teacher	Désignation	Reason for leaving
(1)	Shri Mafatlal Ranchhoddas Thakkar	Reader and Head, Civil Engineering Department	Transferred to Faculty of Technology and Engineering.
(2)	Shri Srikant Bhalchandra Kaluskar	Lecturer in Mechanical Engineering Department	—do—
(3)	Shri K. Ethirajulu Kalia Perumal	Reader in Chemical Engineering	—do—
	Shri Ishwar B. Khatri	Cleaner in Applied Mechanics Department	Expired on 30-5-79

### 4. Professional Growth of the Staff

#### (a) Published Articles/Papers :

Name	Title	Name of the Journal wherein published with month of publication
(1) Shri A. G. Telpande	Pragmatic Approach to Petro-Chemical Planning	Indian Chemical Abstracts—July 1979.

### 5. Faculty Union Activities

(1) The Students Association carried out the usual activities viz. Participation in Youth Festival, Indoor and Out-Door Games, Celebration of Polytechnic Day etc.

(2) Polytechnic Day was celebrated on 17th and 18th January, 1980.

(3) A Seminar on "Expectations from the Polytechnic in Eighties" was held on 17-1-1980.

### 6. Library

#### (a) Books :

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

	Books including bound periodicals	Total Value in Rupees
(1) Number at the beginning of the year	18,182	3,26,441-31
(2) Number added during the year	587	14,349-59
(3) Number remaining at the end	18,769	3,40,790-90



## (b) Periodicals :

During this year the Library subscribed 42 periodicals. The total amount spent for the periodicals was Rs. 5,922-11 and the amount spent for binding was Rs. 2,951-50.

## (c) Circulation of Books etc. :

## (1) Working Hours :

The Working hours of the Library for the academic year were from 8-00 a.m. to 800 p.m. except on Sundays and holidays, while for the month of May and June the timings were from 11-00 a.m. to 5-30 p.m.

## (2) Statistics :

Statistics on the use of the Library are given below :

(i) Average number of readers making use of the Library per day	379
(ii) Average number of books issued for home reading per day	105
(iii) Average number of books issued for Reading Room per day	60
(iv) Total Number of Students registered	1511

## CHAPTER XXII-A—CENTRE FOR CONTINUING/ADULT EDUCATION AND COMMUNITY SERVICES

## 1. Courses of Studies

The Centre conducted the following courses during the year 1979-80.

	Men	Women	Total
(a) Long Term (One Year) :			
(1) Industrial Purchasing and Material Management	176	4	180
(2) Marketing Management	80	—	80
(3) Industrial Management	57	3	60
(4) Hotel Management	7	28	35
(5) Product Engineering	19	—	19
(6) Gujarati for beginners	3	7	10
(7) Adult Literacy/Education	627	928	1,555
(b) Short Term (Summer Courses) :			
(1) English Improvement	10	8	18
(2) Interior Decoration	—	24	24
(3) New Mathematics	4	10	14
(4) Effective Speaking	4	11	15
(5) Batik on Textile	—	15	15
(6) Pottery	—	10	10
(7) Family Planning, Health and Sanitation	—	20	20
(Faculty of Home Science)			
(8) Family Planning, Health and Sanitation in the Community for Adult Women	—	60	60
(9) Nutrition in Community	—	60	60
(10) Child Care in Community	—	50	50
(11) Food Adulteration	—	60	60
(12) Food Preservation	—	32	32
(13) Insect Control and Storage in Community	—	60	60
(14) Buying Purchases in the Community	—	60	60
(15) First Aid and Home Nursing	—	66	66



## 2. Staff

The Centre has one Professor, one Reader, three Lecturers, one Co-ordinator, one Supervisor, four Class III and two Class IV personnel.

## 3. Professional Growth of the Staff

- (1) Professor M. Chakravorty attended the Annual Conference of All India Adult Education Association from 7th to 9th October, 1979 at Amritsar and served as a Chairman of the Group "Adult Education special need for Women".
- (2) Professor M. Chakravorty attended seminar on "linking literacy with development" from 4th to 7th November, 1979, and presented a paper on "Literacy Development and the use of human resource".
- (3) Professor M. Chakravorty attended Annual Meeting at Burdwan on 12th and 13th March, 1980 of Indian University Adult Education and Community University and presented a paper on "Continuing Education and Adult Education" at the University.
- (4) Miss K. Lokwani and Mr. K. Mehta completed a Training Programme of Supervisions (NAEP) at Anand.
- (5) Miss K. Lokwani was selected to a team to evaluate the Adult Education Programme of Gujarat.
- (6) Two Seminars on NAEP were organised during the month of October, 1979.
- (7) Two Training Programmes for Student-Teacher of (NAE) National Adult Education were organised (2 days and one week).
- (8) Forty Adult Education Centres are running and ten Camps were completed.
- (9) Dr. M. Chakravorty served as a member of B.L.P. Project of Chhotaudepur.

## CHAPTER XXII-B—SIR SAYAJIRAO MEMORIAL TRUST I.A.S. TRAINING CENTRE

The I.A.S. Training Centre was established in July, 1977. Since then, the Centre has been imparting training to candidates for the Main Examination of the Union Public Service Commission. The Centre was financed from the Diamond Jubilee Fund and other donations since its inception. From 1-4-1979, the Government of Gujarat has taken over the full liabilities of the Centre.

Four aspirants from Gujarat who had appeared for the Preliminary Examination of the Union Public Service Commission of their own, and who had cleared it successfully, approached the Centre with a request that they may be given intensive training for the main Examination to be held in November, 1979. In accordance with Government of Gujarat Resolution dated 28-5-1979, they were admitted to the Centre for Intensive Training, from August, 1979 to November, 1979 and lectures were arranged in Psychology, Sociology, General Studies, Geography, Indian Politics, Statistics, Role and Impact of Science and Technology in Development of India, and Indian Culture. Five candidates appeared for the Main Examination held by the Union Public Service Commission in November, 1979. Three were declared qualified in the Main Examination and were called for interview.

### Programme

Initially 36 trainees were enrolled in the Centre in December, 1979, out of which only 13 trainees attended regularly.

In addition to Quizzes and General Discussion on important news items, lectures were also arranged in different subjects like History, Psychology, Chemistry, Physics, Zoology and General Studies in which Assessment Tests were conducted from time to time.

There are informal sessions for Pre-degree students' Orientation.



# CHAPTER XXIII—SHRIMATI HANSA MEHTA LIBRARY.

## 1. Order Section

### (1) Acquisition Notes :

#### (a) Books :—

There were no funds for the purchase of books during the year as the University Grants Commission was not able to provide Basic Grants for them.

The Library continued to spend the recurring grant of Rs. 25,000/- and a non-recurring grant of Rs. 1,50,000/- for purchase of books and journals sanctioned by the University Grants Commission for the Department of History under the programme of Special Assistance during the Fifth Plan period.

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

Institution	Number of Books
(1) Smt. Hansa Mehta Library (which includes books for the Faculties of Arts, Science, Education and Psychology, Commerce, Law, Home Science and the Centre for Continuing/Adult Education and Community Services)	2,291
(2) Faculty of Technology and Engineering	611
(3) Faculty of Fine Arts	129
(4) College of Indian Music, Dance and Dramatics	59
(5) Oriental Institute ( Printed Section )	690
(6) Polytechnic	587
(7) Sanskrit Mahavidyalaya	31
(8) Centre of Advanced Study in Education	815
(9) M. K. Amin Arts and Science College and College of Commerce, Padra	76

Total : 5,289

Out of these 2,050 were received as gift.

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

	Books	Bound Volumes of Periodicals	Manuscripts	Maps, Charts, etc.	Total value in Rs.
(1) Number at the beginning of the year	3,08,350	44,154	248	1,127	96,34,900-97
(2) Number added during the year	2,291	2,172	—	37	4,88,626-34
(3) Number withdrawn from the records	14,996	—	—	2	2,87,122-70
(4) Number remaining at the end of the year	2,95,645	46,326	248	1,162	98,36,404-61

### (b) Periodicals :

The total number of periodicals and scholarly journals subscribed to was 754 and 2172 volumes of bound periodicals were added to the stock.

### 2. Cataloguing Section :

#### (A) Books classified and catalogued during the year :

(a) New accessions to University Library	2,291
(b) New accessions to Faculty Libraries	2,998
Total :	5,289
(c) Bound periodicals catalogued and classified	2,172

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

	For University Library	For Faculty Library	Total
(a) Cards prepared	6,873	14,440	21,313
(b) Cards filed in the catalogue	6,873	14,440	21,313
(c) Withdrawing of catalogue cards from Public Catalogue—Name and Subject—for books discarded from the Library.			

## 3. Circulation Section

As usual the working hours of the Library for the whole academic year i.e. April 1979 to March 1980, (except in the months of May, June and July) were



from 8-00 a.m. to 10-00 p.m. The Library was kept open on almost all Sundays and holidays during the year. In May, June and July the Library remained open from 11-00 a.m. to 5-30 p.m. on week days and 11-00 a.m. to 3-00 p.m. on Saturdays and closed on Sundays and holidays.

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

( i ) Post-graduate students	2,140
( ii ) Under-graduate students	6,202
( iii ) Research scholars	226
( iv ) University Teachers	552
( v ) Others	160
<b>Total :</b>	<b>9,280</b>

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

( i ) Average number of readers visiting the library per day	2,500
( ii ) Total number of books issued per day for reading	1,565
( a ) Average number of books issued per day for home reading from General Collection	231
( b ) Average number of books issued per day from curricular collection	236
( c ) Average number of books issued per day for reference from stacks	773
( d ) Average number of books issued per day from curricular collection of the New Library	325
( iii ) Average number of books issued per reader in the year	48

#### 4. Reference Section

##### (1) Reference Service to Readers :

The Reference Section performed its routine duties such as answering queries of readers personally, by correspondence and on phone, provided guidance to students and teachers etc. (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 the new entrants with the working of the various sections of the library.

##### (3) Exhibitions :

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

##### (a) Special Exhibitions :

(i) Family Planning, (ii) Elections, (iii) Floods, (iv) Role of Libraries, (v) Prevention is better than cure, (vi) Mother Teresa.

##### (b) Weekly Exhibitions :

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

##### (4) Bibliographical Activities :

Bibliographies on the following topics were compiled during the period :

- ( i ) Books on Teaching of Mahatma Gandhi.
- ( ii ) Books on Arabian Nights
- ( iii ) Journals in the field of English Language and Literature
- ( iv ) General knowledge
- ( v ) Hindi and Gujarati books in the field of Library Science
- ( vi ) Journals on Education.

##### (5) UNESCO Information Centre :

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

##### (6) The National Library Week :

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

- ( i ) An exhibition of books, periodicals, pamphlets, etc. on the Development of Libraries in India.
- ( ii ) Librarians of different Institutions of Baroda city were invited to this library to discuss their problems.
- ( iii ) Students of the Secondary schools of our city were invited in groups to visit the library.
- ( iv ) Readers were encouraged to read more books.

##### (7) Theses and Dissertations :

- ( i ) During the period, 212 theses and dissertations were added to the collection of 3833, bringing the total collection to 4045.
- ( ii ) During the period, 2275 readers consulted the theses and dissertations.
- ( iii ) A descriptive list of Ph.D. theses received in the library from January to December 1979 was published.



(8) *Reference Materials :*

During the period, 1340 readers consulted the reference books and other reference materials.

(9) *Pamphlet Collection :*

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

( i ) Number at the beginning of the year	18713
( ii ) Number added during the year	644
( iii ) Number withdrawn from the record	368
( iv ) Number remaining at the end of the year	18989

5. *Sir Sayajirao Memorial Trust Library*

The Library timings are from 8-00 a.m. to 10-00 p.m. and the Library is kept open almost all Sundays and holidays during the year (except in May, June and July).

The statistics of the use of the library is as under :

( i ) Average number of readers visiting the Library per day	2432
( ii ) Average number of books issued per day from curricular collection	325

6. *Visitors**Name and Designation**Date of Visit*

( i ) Prof. Satish Chandra, Chairman University Grants Commission	7-4-1979
( ii ) Mr. Abdul Sattar Ambassador of Pakistan	15-11-1979

CHAPTER XXIV—THE MAHARAJA SAYAJIRAO  
UNIVERSITY OF BARODA PRESS1. *Staff*

During the year, the staff of the Press consisted of a Manager, a Deputy Manager, An Assistant Manager, a Head Clerk (Accounts and Stores), One Head Proof-Reader, One Proof Reader, One Copy Holder and a Clerk. There are 42 permanent workers in the Press.

2. *Machinery*

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

3. *Printing Activities*

During the year 1185 plus 890 examinations papers were printed under conditions of secrecy for the University Examinations. The Press also printed Syndicate and Senate proceedings, Details of Establishment, Annual Accounts, Annual Report, Budget Estimates, Questionnaires, Magazines, Pamphlets, Certificates, General Forms, Prospectus etc. of the Faculties and Institutions. The University Press works purely as a service department of the University since April 1967.

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

<i>Name of the Book</i>	<i>Publishers</i>
( 1 ) Proceedings of the U.G.C. Workshop on Problems of Teaching and Research in History of Arts	Faculty of Fine Arts
( 2 ) વેદપુરાણ સૌરભ	University Office
( 3 ) સંત નામદેવ-જીવન અનેકવન	Oriental Institute
( 4 ) School Management and Change	CASE
( 5 ) કૃત્યકલ્પતર Vol. 9 G.O.S.	Oriental Institute
( 6 ) Descriptive Bibliography of the Printed Texts of the Pancaratragama, Vol. II	Oriental Institute
( 7 ) કલ્પતરામ એક અધ્યયન	Oriental Institute
( 8 ) Fabrica—March 1980	TAIRO
( 9 ) ચાંપાનેર	Oriental Institute
( 10 ) ચંદ્રાવતી	Archaeology Department, Faculty of Arts



- |  |  |
|--|--|
| (11) જ્ઞાનગીતા   | Gujarati Department, Faculty of Arts     |
| (12) Commerce of Cambay from the Earliest Period to the 19th Century | Geography Department, Faculty of Science |
| (13) Researches on Class Room  | CASE                                     |
| (14) વિવેચક  | Gujarati Department, Faculty of Arts     |
| (15) દ્વારકાના પ્રદેશનો સાંસ્કૃતિક ઇતિહાસ                            | Oriental Institute                       |
| (16) આધુનિક ગુજરાતના સર્તો-ભાગ ૨                                     | Oriental Institute                       |
| (17) Reform Black Development Plan for Talsugam                      | May 1979                                 |

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

- (1) The Journal of the M. S. University of Baroda
- (2) The Journal of Oriental Institute
- (3) The Journal of Animal Morphology and Physiology (Half yearly)
- (4) Swadhyaya (Quarterly)
- (5) PAVO (half yearly)
- (6) Studies in Museology (yearly)
- (7) Baroda Journal of Nutrition (yearly)
- (8) Social Work Review (yearly)
- (9) Surbharti (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. The Unit purchases and distributes stationery every quarter to all the Faculties and Institutions and the University Office. The Unit consists of one Senior Clerk, one Stationery Clerk, one Rikshaw Driver-cum-Stationery Distributor and one Helper. During the year under report, the stationery articles worth Rs. 3,75,581/- were purchased and stationery worth Rs. 4,38,617/- was distributed.

#### 5. University Publication Sales Unit

This University is under the control and supervision of the Manager, University Press. The Unit consists of a Senior Clerk, a Clerk and one Outdoor Work Assistant/Attender. It is working as a bookshop for University Publications. The total sales during the year was Rs. 1,36,387/-.

## CHAPTER XXV—THE MAHARAJA SAYAJIRAO UNIVERSITY UNION

### 1. Executive Committee

For the year 1979-80 Shri D. T. Brahmabhatt and Dr. I. D. Bhatt were appointed President and Treasurer of the M. S. University Union. Shri D. T. Brahmabhatt resigned in September, 1979 and Prof. Rummy Mistry was appointed as President from the month of October 1979.

General Elections were held in August, 1979 and Shri Satish Desai ( Faculty of Arts ) was elected as Vice-President and Shri Ashok Patel ( Faculty of Technology and Engineering ) as General Secretary. Thirty-seven other students were elected as their Faculty/Institution representatives. Prof. H. V. Bhavnani and Shri G. S. Vaswani were nominated by the Syndicate to the Executive Committee.

The first meeting of the Executive Committee was held on Sunday, 2nd September 1979 for the election of the Sectional Secretaries and allocation of various portfolios.

### 2. Union Activities

(i) Indore Games : ( Chess, Badminton and Table Tennis )

Our teams participated at the Inter University Chess and Table Tennis Tournament organised by the Vikram University, Ujjain and Dharwar University, Dharwar respectively during the year 1979-80 and performed well. Besides, the Table Tennis and Badminton teams played at various local and State level tournaments and won several prizes.

(ii) Hiking Club: The club sent a team of about 15 students for Basic Course in Rock Climbing at Mount Abu. Before this the club also undertook a tracking trip to Pavagadh.

The club sent 5 students for Basic Rock Climbing Course at Mount Abu, 2 students for Tracking Course at Manali and 2 students for Snow Climbing Course, at Manali, under the auspices and sponsorship of Hari Ohm Ashram, Nadiad.

(iii) The Emester :

Shri D. H. Mohite was appointed Publisher of the Emester. The first issue of the Emester was published in the Second Term of the year.

(iv) Entertainment Programme :

Three musical evenings were arranged in the Open Air Theatre at the Faculty of Education and Psychology and a Camp Fire was arranged at Union Pavallion Ground during the year. The programmes were open to all.



(v) *University Youth Festival (Campus Harvest '80) :*

Almost all Faculties and Institutions participated in the Inter-Faculty Cultural Competitions i.e. Dramas, Garba/Folk Dances, Group songs, Individual Items etc. For the first time the competitions were held at Gandhi Nagar Gruh.

(vi) *Fun Fair :*

A Fun Fair was arranged on 25th and 26th February, 1980 at Union Pavallion Ground.

(vii) *Debating Society :*

During the year Several trophy debates were conducted.

Shri Ramesh Madhvan and Shri Gurunamsingh Kohli of the Faculty of Technology and Engineering represented our University at All India Inter University Hindi and English Debate Competition held on 10th December, 1979 at Varanasi. Shri Sandip A. Patel, of Faculty of Commerce, represented the University at Kamalnayan Bajaj Memorial Inter University Seminar held on 19th and 20th January, 1980 at Wardha.

## CHAPTER—XXVI GENERAL EDUCATION CENTER

### 1. Facilities

Facilities are available at the Centre for Students of the University for Self-learning through Audio-Visual Aids for Practical Art Activities and Appreciation, as well as for knowing Electrical Gadgets, their use and minor repairs.

### 2. Programmes

The activities under various programmes at the General Education Centre during the year were as under :

#### (1) *Art Activities, Appreciation and Film :*

During the academic year 1979-80, totally fifteen students were registered from different Faculties. Students worked with materials like Clay, Poster Paints Coloured papers, Plaster and found objects. They created colour designs, clay models, box sculptures and batiks. Slides were shown for Appreciation of Painting and Sculpture. Films from department as collection were also projected for the group.

#### (2) *Speakers and Writers Club :*

During this academic year 16 students for Speakers Club and fourteen students for Writers Club were registered from different Faculties. Their main interest was in Inter-Faculty and Inter-University debates. Some of them wrote articles and expressed their opinions through creative writing.

#### (3) *Dramatic Club :*

During this year nineteen students were registered for the Dramatics Club. They were given instruction on various topics relating to Stages, Lighting and Acting. They were also invited to see the performance.

#### (4) *Listeners Club :*

In the year six students was registered for the Listeners Club. They listen to tapes of some well-known people.

#### (5) *Electrical Gadgets Club :*

There were four students registered in the Electrical Gadgets Club from different Faculties during this year. They were given instruction on various topics relating to Radio, Electrical Bells, Tape Recorders, Volt Meters, Tube-lights, Fuses etc.



## CHAPTER XXVII—STUDENTS' WELFARE ACTIVITIES

### 1. Halls of Residence

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

The general policy of the University is to distribute students from various Faculties in different halls so that every hall has students from different Faculties. At the end of the year under report 2,588 men and 667 women were in residence in different halls as against 2,551 and 659 respectively in 1978-79. The Appendix-XI gives the breakup of these students by Halls and Institutions.

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

All the Halls have been provided with common rooms which are generally used as Library-cum-reading rooms also. The Halls are also provided with furnished Visitors' rooms. Indoor games are also provided in the Halls.

The Chief Warden's Office has a staff of 9 class III and 2 class IV employees.

The Central Committee and the following three Sub-Committees were formed: (i) Inter-Hostel Food Committee, (ii) Inter-Hostel Sports Committee and (iii) Inter-Hostel Entertainment Committee. The Chief Warden, Halls of Residence was the Chairman of the Central Committee.

Students are also members on the above Committees. Apart from these Committees each Hall of Residence has its own Executive Committee composed of the student members duly elected by the resident students of the Halls. These Committees worked under the guidance of their respective Wardens. Students participated actively in matters pertaining to the affairs of the Hall except finance.

### 2. University Health Centre

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

Halls of Residence were visited for inspecting maintenance of sanitation and hygiene in both hostels and kitchens twice a year.

A "Maternity and Child Care Centre" under the guidance of Rotary Club of Baroda worked in the Health Centre on every Thursday for 2 hours in the morning. It dealt with the vaccination programme and ante-natal advice to the expectant mothers. It also dealt with family welfare advice.

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

New entrants to the University were given a Medical Check-up by the Medical Inspection Board in S.S.G. Hospital. Out of the total 5,486 entrant students scheduled for Medical check-up, 3,722 (68%) reported. Out of the total examined, 1,548 (41.59%) were recommended follow-up treatment to be taken either from the Health Centre. Specialists of S.S.G. Hospital or the family doctors for various disorders viz. skin, eye, ear, nose, throat, heart etc. Out of 1,548 follow-up students 1,170 students (76%) completed their follow-up treatment.

During the year the total attendance of the patients at the Health Centre Clinic was 35,217 (8,287 students and 26,930 were the members of the staff and their families). The average daily attendance has been 117 during the year. The Centre remained open all hours for emergency and the doctors on duty attended cases of emergency in the Halls of Residence and the residence of the staff members.

Rs. 11,024-15 were collected from patients during the year.

The total number of Laboratory investigations was 1,463. The total number of fluoroscopy examination was 517.

The mess servants were called at the Health Centre for their general check-up.

Rs. 33,278-22 were paid against re-imbursement amount to the University staff and their dependents for medical treatment.

### 3. Physical Education

#### (1) Staff:

The Staff consisted of a Director, two Senior Physical Instructors, four Physical Education Instructors, Coach (Hockey), One Swimming Trainer, One Boating Trainer and Two Assistant Swimming Trainers.



(2) *Training in Physical Education :*

Training in Physical Education was imparted to 967 Men and 600 Women students from various Faculties and Institutions.

(3) *Training and Coaching in Games and Sports :*

(1) Cricket (M-63, and W-20), (2) Tennis (M-150 and W-8), (3) Hockey (M-30 and W-25), (4) Football 34, (5) Kho-Kho (M-45 and W-7), (6) Track and Field events (M-1 and W- ), (7) Kabaddi 34, (8) Volleyball 20, (9) Basketball (M-37 and W-25), (10) Swimming (M-200 and W-26), (11) Boating (M-80 and W-8), (12) Shooting (M and W), (13) Cycling 10, (14) Boxing M-2. (The number in the bracket before the games indicates the regular attendance for the respective game).

There were 227 members including men and women students in Swimming. In Boating the number was 100 regular and 35 vacational, including women students. Special coaching was provided by the honorary Coaches and Officers-in-Charge in the following games and Sports:

Cricket (M and W), Football, Volleyball, Basketball (M and W), Athletics (M and W), Kho-Kho (M and W), Hockey (M and W), Kabaddi, Swimming (M and W), Shooting (M and W by N.C.C.).

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

Name of the Game	Venue	Results
(1) Football	Rajkot	Lost in Quarter final.
(2) Hockey (Women)	Mysore	Lost in quarter final.
(3) Hockey (Men)	Kolhapur	Lost in second round.
(4) Kho-Kho (Men)	Aurangabad	Lost in quarter final.
(5) Basketball (Men)	Indore	Lost in third round.
(6) Tennis (Men)	Jabalpur	Lost in second round.
(7) Swimming (Men)	Trivendrum	Lost in quarter final.
(8) Kabaddi	Khamgaon	Lost in second round
(9) Cricket (Women)	Amravti	Lost in first round.
(10) Cycling	Patiala	One candidate stood V in 1000 Mts. time trial.
(11) Volleyball (Men)	Udaipur	Lost in preliminary round.
(12) Table Tennis (Men)	Dharwar	Lost in quarter final.
(13) Table Tennis (Women)	Dharwar	Lost in second round.
(14) Boxing	Kurukshetra	Lost in preliminary round.

(b) *High Lights :*

- (i) Football : Shri Salim Ginwalla of Technology and Engineering represented the combined university team in Invitation Tournament held at Burma under the Cultural Exchange Programme.
- (ii) Athletics : Shri Rajan Desai of Technology and Engineering established a new record in Gujarat State under the age group of 19 years and was selected to represent Gujarat State in Inter-State Tournament held at Hissar.
- (iii) Basketball (Men) : The Men's team participated in Gujarat State level Daniel Soul Championship held at Surat and won the Championship. It also won the Championship in the Baroda District Tournament.
- (iv) Hockey (Women) : The Women's team participated in Gujarat State Hockey Championship held at Ahmedabad. Our team won the Championship.
- (v) Cricket (Men) : Ranjit Award and cash prize Rs. 300/- is award and cash prize Rs. 300/- for best cricketer of the year was awarded to Shri Hemant Pandya.

(c) *Other Important Events :*

The following University players were selected for Summer Coaching-cum-Competition Programme by Association of Indian Universities to be held at Patiala and other places :

- (i) Football : Shri Salim Ginwalla (Tech. and Engg.)  
Shri Shiraj Contractor—(Fine Arts)  
Shri Rohit Raj Singh—(Arts)  
to be held at Hyderabad.
- (ii) Hockey (Women) : Kum. Bhavna Vakil—(Arts)  
to be held at Gwalior.
- (iii) Basketball : Shri Narendra Singh Rathore—(Arts) has been selected for Summer Coaching-cum-Competition Programme by Association of Indian Universities to be held at Ahmedabad.
- (d) *Selected for Nationals :*
- (i) Football : Shri Rohit Raj Singh—(Arts) and Shri Salim Ginwalla—(Tech. and Engg.) were selected to



represent Gujarat State in Santosh Trophy in Football.

- (ii) Basketball (Men) : (1) Shri Anand V. Modi—(Commerce) was selected to represent Gujarat State in Nationals. (2) Shri Shailesh V. Modi—(Science) and Shri Charles Alexander were selected for Gujarat State Junior team to represent in National Championships.

- (iii) Basketball (Women) : The following women players were selected to represent Gujarat State in the National Women's Festival held at Jabalpur in January, 1980:

- |                         |              |
|-------------------------|--------------|
| (1) Kum. Harsha Trivedi | Home Science |
| (2) Kum. Bela Dave      | Arts         |
| (3) Kum. Neena Korea    | Arts         |
| (4) Kum. Neela Patel    | Home Science |

The following players were selected for Gujarat State team to represent in Nationals :

- |                         |              |
|-------------------------|--------------|
| (1) Kum. Harsha Trivedi | Home Science |
| (2) Kum. Neena Korea    | Arts         |
| (3) Kum. Bela Dave      | Arts         |

- (iv) Athletics : Shri Rajan Desai—(Tech. and Engg.) was selected to represent Gujarat State in All India Inter-State Championship held at Hissar.

- (v) Hockey (Women) : The following women students were selected to represent Gujarat State in 5th National Women's Festival Tournaments held at Jabalpur:

- (1) Kum. Bhavana Vakil, (2) Kum. Vatsala Patil, (3) Kum. Kalpana Amin, (4) Kum. Nidhi Handa, (5) Kum. Juliana Phareira, (6) Kum. Jayesha Tailor, (7) Kum. Kalpana Patel, (8) Kum. Pushpa Negi.

- (vi) Cricket (Men) : Shri Hemant Pandya, (Arts) was selected for Vizzy Trophy while Shri Snehal Parikh, Shri Sanjay Hazare, Shri Dhaiber were selected to attend the Vizzy trophy trials held at Bombay.

(e) State Level Tournaments :

- (i) Basketball (Men) : Gujarat State Championship reached Semifinals.  
 (ii) Basketball (Women) : Runnersup, State Championship held at Vaso (Kaira).  
 (iii) Hockey (Women) : Gujarat State Hockey Tournaments held at Ahmedabad and won the Championship.

- (iv) Hockey (Men) : Gujarat State Hockey Championship—lost in the quarter finals.

- (v) Athletics (Men) : Shri Rajan Desai participated in Gujarat State Athletic Meet held at Ahmedabad and set a new record in High-Jump with 1:75 Mts. in the age group "Boys under 19 years".

(f) Other State Level Tournaments :

- (i) Basketball (Men) : Daniel Soul State level Championship, and won the Championship.

- (ii) Basketball (Women) : Mahajan Shaktidal Championship at Junagarh won the Championship.

(g) Local Tournaments :

- (i) Football : Baroda District League—Runners-up. Guru Ramdasji Knock-out tournaments—Winners.  
 (ii) Hockey (Women) : Open Baroda District Knock-out tournaments—Runners-up.  
 (iii) Hockey (Men) : Baroda District League Tournaments—Placed 4th place. Ida Cup Tournaments—Lost in the 2nd round.  
 (iv) Basketball (Men) : Baroda District Basketball Championships—won the Championship.  
 (v) Basketball (Women) : Baroda District Basketball Championships—Runners-up.  
 (vi) Kabaddi : All Baroda Open Kabaddi Tournaments—Lost in the third round.  
 (vii) Athletics : Baroda District Athletic Meet—Shri Rajan Desai—(Tech. and Engg.) stood 1st in High Jump and 2nd in Long Jump.

(h) Inter-Faculty Tournaments :

- |                        |              |                            |
|------------------------|--------------|----------------------------|
| (i) Football           | : Winners    | Faculty of Arts            |
|                        | : Runners up | Faculty of Tech. and Engg. |
| (ii) Basketball (Men)  | : Winners    | Faculty of Tech. and Engg. |
|                        | : Runners up | Faculty of Science         |
| (iii) Volleyball (Men) | : Winners    | Faculty of Tech. and Engg. |
|                        | : Runners up | Faculty of Law             |
| (iv) Hockey (Men)      | : Winners    | Faculty of Tech. and Engg. |
|                        | : Runners up | Faculty of Arts            |
| (v) Cricket (Men)      | : Winners    | Faculty of Commerce        |
|                        | : Runners up | Faculty of Arts            |



- (vi) Boating (Men) : Individual Championship to Shri Magesh Chavan—Faculty of Tech. and Engg.  
 (vii) Athletics (Men) : Individual Championship won by Shri Sanjay Hazare—Faculty of Arts.  
 (viii) Athletics (Women) : Individual Championship won by Kum. Bhavana Nimbalkar—Faculty of Social Work.

#### Intramural Competitions for the Students in Physical Education

- (1) (i) Volleyball (Men) : Winners F.Y.B.A.  
 Runners up Polytechnic group.  
 (ii) Throwball (Women) : Winners F.Y.B.Com.  
 Runners up F.Y.B.Sc. (Home)

#### 4. National Cadet Corps

- (1) During the year under report the following carried out their multi-farious activities :

Name of the Unit	NCC Officers	NCC Cadets
(a) 3 Gujarat Battalion NCC	4	429
(b) 1 Gujarat Composite Tech. Regt NCC	1	160
(c) Composite Tech. Regt Company 6 Gujarat Girls Battalion NCC	2	255
(d) 2 Gujarat Naval Unit NCC	3	200
(e) 1 Gujarat Air Sqn NCC	—	200
	10 Officers	1244 Cadets

- (2) Training:—Training of all the units started in July, 1979 and terminated in February, 1980. A large number of officers and cadets took part in camps/courses like Annual Training camps and Attachment with Regular units. Some of the high-lights are as under:

- (a) Annual Training Camps—Attended by NCC Cadets of M. S. University :

Sr.No.	Name of the Unit	Strength	
		Officers	Cadets
(i)	3 Gujarat Bn NCC	2	85
(ii)	1 Gujarat Comp Tech Regt NCC	1	47
(iii)	Company, 6 Guj Girls Bn NCC	1	81
(iv)	2 Gujarat Naval Unit NCC	1	27
(v)	1 Gujarat Air Sqn NCC	—	56
		5	296

#### (d) Director General NCC Organised Courses/Camps :

Sr.No.	Name of Camp/Course	Number attended	
		Officers	Cadets
(i)	Basic Leadership Course of Senior Division Boys at Khrew (J and K) from 14 May to 29 May 1979	1	8
(ii)	Basic Leadership course of Senior Division Boys (with Agricultural Bias) at Gurgaon from 14 Dec. to 29 Dec. 1979	—	2
(iii)	Basic Leadership Course of Senior Wing Girl cadets at Bangalore from 9 May to 20 May 1979	1	5
(iv)	Basic Leadership Course of Senior Wing Girl cadets at Bhowali (UP) from 6 June to 17 June 1979	—	2
(v)	Advance Leadership Course of Senior Division Boys at Puri (Orissa) from 18 May to 7 June 1979	—	4
(vi)	Advance Leadership Course of Senior Division cadets at Lebong (West Bengal) from 9 May to 29 May 1979	—	4
(vii)	Advance Leadership Course of Senior Division cadets at Pachmarhle (MP) from 22 May to 11 June 1979	—	2
(viii)	Advance Leadership Course (with Naval Bias) of Sr Div cadets at Vishakhapatnam from 28 May to 17 June 1979	—	4
(ix)	Advance Leadership Course of Senior Wing Girl cadets at Majkhali (UP) from 18 May to 7 June 1979	—	2
(x)	Nau Sainik Camp—79 of Senior Division cadets at Cochin from 16 May to 29 May 1979	—	7
(xi)	Vayu Sainik Camp of Senior Division at Iblur (Bangalore) from 11 June to 24 June 1979	—	10

- (c) 11 cadets attended the Prime Minister's Rally—Republic Day Parade—on 26 January, 1980.

- (d) Attachment with Regular Units:—The following number of cadets were attached with the Regular Army/Naval/Air Force units:

Unit	No. of Cadets attached	Type of Regular Unit
(i) 3 Guj Bn NCC	24	Army Unit
(ii) 1 Guj Compo Tech	10	Army Unit
(iii) 2 Guj Naval Unit NCC	2	Naval Unit
(iv) 1 Guj Air Sqn NCC	4	Air Force Unit



## (3) Competitions :

## (a) Shipmodelling Competition :

Following cadets of 2 Gujarat Naval Unit NCC, Baroda participated in ship modelling Competitions held at Bangalore and Bombay on 25th August, 1979 and 3 November, 1979 respectively and secured the following positions :

Sr. No.	Name of Cadet	Event	Name of Model	Prizes won
<b>Bangalore</b>				
( i )	L/Cdt Patel K P	Static	Hamshire Powered	First
( ii )	L/Cdt Patel K P	Speed	Smite	First
( iii )	L/Cdt Sarawat M B	Static	Mysore	Second
		Powered		
( iv )	L/Cdt Sarawat M B	Static	Mysore	First
( v )	Po Cdt Raval J B	Speed	Spruance	First
( vi )	Po Cdt Raval J B	Sailing	Sloop	First
<b>Bombay</b>				
( i )	Po Cdt Pathak M S	Static	INS Mysore	First
		Solid		
( ii )	Po Cdt Pathak M S	Speed	Smite	First
( iii )	Cdt Bhosle M S	Speed	Smite	Second

## (b) Aeromodelling Competition :

Following cadets of 1 Gujarat Air Sqn NCC Baroda participated in Aero-modelling competitions held at Bombay and Calcutta on 4 November, 1979 and 9 December, 1979 respectively and secured the following positions:

Sr.No.	Name of Cadet	Event	Prize won
<b>Bombay</b>			
( i )	Cdt Cpl Rao K S	Stunt Flying	First
( ii )	Cdt Sgt Srinivasan	Speed Flying	Second
( iii )	Cdt Shah M B	Speed Flying	Third

Sr.No.	Name of Cadet	Event	Prize won
<b>Calcutta</b>			
( i )	Cdt Shah M B	Speed control line	First
( ii )	Cdt Shah M B	Control line stunt	Second
( iii )	Cdt Brahmhatt M I	Tow line glider	Third

## (c) Shooting Competition :

The undermentioned cadets of 3 Gujarat Bn NCC Baroda took part in the V Gujarat State Shooting Competition held at Ahmedabad on 20th January, 1980 and secured position as shown against each :

( i )	Cdt U/O Raaz A A	}	The team stood first and won a gold medal.
( ii )	Cdt U/O Gawkwad M R		
( iii )	Cdt Sgt Bhura R A		
( iv )	Open Individual		U/O Raaz A A Stood first and won a gold medal.
( v )	NCC Individual		UO Raaz A A stood first and won a gold medal.
			Stg Bhumra R A Stood second and won a Silver medal.

(4) Social Service by NCC :—A Programme of Social Service by NCC cadets was introduced in NCC in 1973. During the current year, independent projects like Road Construction Repair, Traffic Duties, Cleaning of Village/Slum areas and lectures on Hygiene and Sanitation to the villagers were undertaken by the cadets which brought them a number of letters of appreciation from the concerned authorities. The work of Girl cadets at Home for the Crippled Children, was highly appreciated.

A total of 3255 man-hours of Social Service was carried out by the cadets of M. S. University Baroda during the year under report.

A total of 45000 cc of blood was donated by 150 cadets of the M. S. University.

(5) Annual Convocation of the University :—A guard of honour, consisting One Officer and seventy-five cadets, was presented to the Governor of Gujarat ( Smt. Sharda Mukherji ) on 8 Dec. '79 at the Annual Convocation of the University.



(6) *Gliding/Flying Training* :—1 Gujarat Air Sqn. NCC Baroda :—

Training in Gliding was imparted to 34 Boy cadets and 12 Girl cadets of 1 Gujarat Air Sqn. NCC Baroda. A total of 1774 launches were carried out during the year. 10 Boy cadets were given power flying at Gujarat Power Flying Club, Baroda.

(7) *Adventure training-Sailing expedition* :—

Sailing expedition in Narmada river from Mangrol to Bharuch (a distance of 120 Kms.) was undertaken by 24 cadets of 2 Guj. Naval Unit NCC from 15 Dec. to 19 Dec. '79.

(8) *Inter-State Cycle expedition* :—

An Inter State Cycling expedition from Ahmedabad to Jaipur and back was conducted from 26 Oct. to 8 Nov. '79 in which five cadets of M. S. University participated.

(9) *Para Training* :

One cadet of 3 Gujarat Bn NCC attended Para training at Agra from 24 Sep. '79 to 28 Oct. '79 and did five jumps.

(10) *Certificates Examination* :—

The result of certificate examinations conducted during Feb/Mar. 1980 is shown as under :—

Name of Unit	Certificate Examinations							
	'C' Certificate		'B' Certificate		G Part I		G Part II	
	App.	Pass	App.	Pass	App.	Pass	App.	Pass
(a) 3 Guj Bn NCC	44	38	76	54	—	—	—	—
(b) 1 Guj Compo Tech								
Reft NCC	17	14	46	35	—	—	—	—
(c) 1 Guj Air Sqn NCC	20	15	37	34	—	—	—	—
(d) 2 Guj Naval Unit								
NCC	9	8	20	17	—	—	—	—
(e) at Baroda of 6								
Coy Girls Bn NCC	-	—	—	—	60	54	10	8

(11) *NCC Days* :—

NCC Day was celebrated on 25 November '79. The Function was attended by a big gathering. Various types of demonstration were shown by the cadets of Army, Naval, Air and Girl Wings.

(12) *M. S. University NCC Seminar* :—

NCC Seminar was conducted on 12 Dec. '79 at M. S. University Auditorium. Lecturers, cadets and their parents participated in the seminar discussion.

5. *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 student's common room and the Non-Resident Student's Centre were built with financial assistance from the University Grants Commissions and the State Government.

A cafeteria is attached to each of the three Common Rooms. There are facilities for indoor games such as carrom, draught, 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 Student's Association, Socials, Indoor games and tournaments.

6. *Hobby Workshop*

The Hobby Workshop of the university provided Instruction and training to 33 students in different Hobbies during the year as under :

Hobby	Students enrolled
(1) Carpentry	11
(2) Assembling Electronic and Electrical Appliances	05
(3) Music	12
(4) Clay Modelling	05
(5) Photography	—
Total	33

The Staff of the Workshop consisted of One Officer-in-charge, eight part-time Instructors, One Part-time Clerk, and one part-time peon.

7. *University Employment Information and Guidance Bureau*

The Bureau carried out the following activities :

- Registration of students
- Submission
- Placement
- Supply of Information to individuals
- Guidance to students
- Group Guidance Talks
- Visitors
- Review of Live Registers



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

### 8. National Service Scheme

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

#### (1) Objectives :

The major objectives of N.S.S. are to provide opportunities to University students to develop their capacities for nation-building tasks during their leisure and in vacations.

#### (2) Organisation :

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

#### (3) Students Strength :

( i ) Number of students allotted	2000
( ii ) Number of students enrolled	1401
( iii ) Number of male students	1007
( iv ) Number of female students	394

#### (4) Institutions covered under N.S.S. :

Students of eleven different institutions i.e. Arts, Commerce, Science, Technology, Medicine, Law, Polytechnic, Fine Arts, Home Science, Social Work and Padra College are covered under N.S.S. Programme in the M. S. University of Baroda.

#### (5) Special Feature :

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

#### (6) Detailed Project Report of the N.S.S. Regular Activities 1979-80

The National Service Scheme : for its regular activities during the academic year of 1979-80 had 18 projects; covering various social services fields spread over whole city of Baroda. The newly enrolled 1401 students were involved variety of social service projects which are as follows :

#### ( i ) Action Oriented Survey Project :

The project aimed at (1) increasing awareness of the student community towards various problems of Baroda City and also (2) at training student volunteers for undertaking surveys to identify problems. The activities were divided among the student group, who involved themselves in public contact, institutional visits, preparing of traffic posters for public guidance etc.

#### ( ii ) Construction and Aforestation Project :

Aiming at inculcating respect for manual labour and creating awareness regards importance of flora and fauna among the student community, the project activity began with "Three Plantation" Campaign. This was done with the help of the Forest Department in the compounds of various institutions and gardens.

The student group had visits to public places and institutions as a part of their education. Alongwith this, educational films were also shown.

#### ( iii ) Creative Activity Project :

The project aims at developing creative and socially useful hobbies among the students volunteers with a view utilizing it for the benefit of the weaker section of the society. The project is supervised by an expert from the field of fine arts. The students volunteers are taught to work with Colour Designs, Printing, Weaving, Matting and Paper activities, Stencil making etc. These methods are in the later stage used for making creative articles to teach them to the students of the Municipal Primary Schools of Baroda.

#### ( iv ) Cultural Activity Project :

The project was reconstituted this year aiming at bringing out the hidden cultural talents in the student volunteers by providing them opportunities and develop it to higher levels. Their items were staged at the following places :

- (1) S.S.G. Hospital—for inward patients.
- (2) Workshop for the Blind—Subhanpura.
- (3) Rural areas.
- (4) Faculty of Social Work.
- (5) University Youth Festival.

#### ( v ) Education Guidance Project :

As the name suggests, the project aimed at involving student volunteers in various educational activities in the the community and educational institutions. The activities were :—(a) Library service groups; (b) Guiding the general public in making the use of the transport facility in the city of Baroda as part of



general education programme; (c) To help the school-going children of specific areas in their academic needs at convenient hours; (d) Guiding young school children in observing traffic rules.

(vi) *Family life Education Project :*

This project involves students of the Faculty of Home Science who are able to put their class room knowledge into practice. The project volunteers involve themselves in surveying a rural area, and on the basis of their findings, introduce various programmes on health and sanitation, education, nutrition and family welfare. They also work in the slum areas of the Baroda where they provide vaccination and inoculation facilities for children of 0-6 years. The volunteers were of help at the Ayurvedic College and S.S.G. Hospital in assisting the patients in different ways.

(vii) *Rural Health and Medical Care Project :*

The above project is supervised by a professional person in the field of medicine. The activities of the project are carried out largely by the student volunteers of the Medical College. The project aims at providing (1) a practical laboratory to the students for using their class room knowledge; (2) medical services to the weaker sections of society and rural areas.

The students took up the following activities :—(a) 'Ankhol' village was adopted for health survey, health check-up and treatment to the patient of the village. This programme proved a success and was extended to the nearby village, Amodar.

(b) Two major slums of Baroda City were adopted for diagnostic and curative services.

(c) Health Surveys were conducted during camps of other groups. Diagnostic and Curative work is undertaken weekly during the camp under the guidance of the Medical Staff.

(d) Volunteers also participated in Flood Relief work.

(viii) *Health Service Project :*

This project aims at (a) utilizing the knowledge of trained the student in the field of medicine. (b) utilizing the student resource in collecting drugs and medicines. The students collect free medicine samples from the medical practitioners of the city. These are stored at the Drug Bank run by medical students at S.S.G. Hospital. The samples are sorted into various categories and distributed to the needy patients of the S.S.G. Hospital.

(ix) *Hospital Service Project :*

This project is taken up at four different hospitals in the City of Baroda, namely :—(1) S.S.G. Hospital, (2) Railway Hospital, (3) Jamnabai Hospital, (4) T.B. Hospital.

The objectives of the project are : (a) training the student volunteers for organising social service programmes at a hospital; (b) to run a mobile library at the hospital as a means of recreation to the indoor patients; (c) to provide information and guidance to patients etc.

(x) *Mass Education and Campaign Project :*

The project aims at taking through campaign mass level education about problems of people at large and to solve them by launching various programmes such as National small Saving Scheme, Family Planning etc.

(xi) *School Service Project :*

This project aims at involving student volunteers in activities of school-going children for supplementary and cocurricular education. The Central Library has a full-fledged library in Baroda city catering to the needs of adults, women and children. The student volunteers of the project help library administration in (a) general section, (b) Mahila section and (c) Children section in providing effective library services.

A batch of student volunteers visited the primary schools of Baroda city, met teachers, principals and discussed the children's needs in. Co-curricular and extra curricular activities.

(xii) *Project for Disabled People :*

The objectives of the project are :

(a) To train student volunteers in Braille for preparing literature for the use of blind children.

(b) To assist blind students of the University for their academic achievements.

(c) To help the blind students of primary and secondary schools in reading and writing.

To achieve the above objectives : Students were placed in institution for the blind in the city. They read stories; taught lessons and arranged sport programmes for the inmates of the agency. The volunteers also helped five individuals to prepare their college notes and also works as writers for these individuals, during their examinations. They participated in the 'Fund Collection Campaign' on the 13 September, 1979 i.e. Day for the Blind.



(xviii) *Padra College Project :*

This project is undertaken by the M. K. Amin Arts and Science College and College of Commerce at Padra. The project involves student volunteers who work under the guidance of the staff members of this college. The major activities of the project were :

(a) Campus Development through cleaning the ground of the college, used for sports and games.

(b) Cleaning the Road, leading to the college from the city.

- (b) Cleaning the Road, leading to the school.
- (c) Tree plantation programme to celebrate 15th August.
- (d) Blood Donation Campaign organised by N.S.S. Student volunteers

which 33 bottles of blood was collected.

(e) Book Collection Camp to collect books for poor students and novels for the local people.

(f) One day cleanliness Camp at Goriad where 300 metre of village hood was cleaned up. Seventy-seven students participated in this activity.

(7) *Flood Relief Work :*

(7) *Flood Relief Work :*

The student volunteers participated in the rally organised in the Alkapuri area to collect food grains, old clothes etc, for the flood affected people of Morvi.

The student volunteers under the leadership of N.S.S. Programme Co-ordinator, participated in the camp held for 10 days immediately after the floods for relief work at Morvi. Students engaged themselves in debris and mud removal etc.

(8) Adult Education Programme

(8) **Adult Education Programme**

The adult education programme of the university was one year old in 1979-80. It was celebrated by organising a seminar under the chairmanship of D.A.O. at which papers discussing its importance, people's participation in the programme etc. were presented. The seminar was followed by a cultural programme.

(9) Special Camping Programme

(9) **Special Camping Programme**

Over and above the regular activities the National Service Scheme, M. S. University of Baroda also organised 17 Camps under Special Camping Programme. 14 of these camps were organised at various villages of Baroda District and 3 others were special flood-relief camps at Morvi. 28 Camp Organizers who were teaching staff members and Senior Student volunteers of various Faculties/Institutions of the University involved the student volunteers in interesting activities and guided the whole programme effectively.

(1) Documenting factual information about N.S.S. activities and Camping and experience of the participants.

(2) Trainings students in writing and in interviewing people. Twenty  
selected and interested student volunteers were enrolled in this project.

(2) Trainings students in writing and in interviewing people. Twenty selected and interested student volunteers were enrolled in this project.



The student campers achieved physical trageets of construction of 21 huts/ houses for landless labourers, 215 Bavla type latrines, 3 P.R.A. type latrines, 255 Soak-pits, 326 Smokeless ovens, 335 Chokadies, 188 Ventilators and 35 Paniyaras. They also dug a trench of 500' x 2' x 3' measurement for a lift-irrigation project. The student campers participating in forest camps prepared 1000 meters of terracing on a hillock. Miscellaneous works of kotar bunding and land reclamation were also undertaken as per the needs in the camps.

Over and above physical work, educational activities, public contacts, surveys and recreational programmes were also undertaken.

The details of the camps are as under :

Sr. No.	Place of the Camp	Duration	Total Number of Participants
(1)	Rangpur	20-4-1979 to 30-4-1979	27
(2)	Sokhadakurd	6-5-1979 to 16-5-1979	45
(3)	Vanta	7-5-1979 to 17-5-1979	25
(4)	Sindhrot	7-5-1979 to 17-5-1979	54
(5)	Vadia	12-5-1979 to 22-5-1979	57
(6)	Goraj	17-5-1979 to 27-5-1979	81
(7)	Lodhan	22-5-1979 to 1-6-1979	32
(8)	Bhatpur	25-5-1979 to 4-6-1979	34
(9)	Bhilapur	25-5-1979 to 4-6-1979	40
(10)	Saidi-Vasan	26-5-1979 to 5-6-1979	27
(11)	Sanapura	1-6-1979 to 11-6-1979	48
(12)	Vemali	7-6-1979 to 17-6-1979	36
(13)	Morvi—I	23-8-1979 to 2-9-1979	25
(14)	Morvi—II	27-10-1979 to 5-11-1979	48
(15)	Morvi—III	5-11-1979 to 14-11-1979	54
(16)	Vadaj	2-11-1979 to 12-11-1979	61
(17)	Sanor	3-11-1979 to 13-11-1979	64
Total			758

# THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

## Appendix I

Statement showing the number of University Students in the Academic year 1979-80

Faculty/Institution	†Post-graduate Courses			Degree Courses			Diploma Courses			Total		Grand Total		
										M	W			
	M	W		M	W		M	W				1979-80	1978-79	1977-78
1. Faculty of Arts	267	176		1164	917		49	27	1480	1120		2600	3095	2895
2. Faculty of Science	286	121		1041	526		21	—	1348	647		1995	2097	1899
3. Faculty of Education and Psychology	75	58		94	251		—	—	169	309		478	456	437
4. Faculty of Commerce	246	70		2128	1293		84*	28*	2458	1391		3849	3527	3074
5. Faculty of Medicine	81	9		678	133		83	6	842	148		990	952	868
6. Faculty of Technology and Engineering	187	13		2721	155		208	—	3116	168		3284	3240	3100
7. Faculty of Fine Arts	53	22		77	38		139	25	269	85		354	348	362
8. Faculty of Home Science	2	165		—	596		—	23	2	784		786	781	936
9. Faculty of Social Work	61	33		—	—		21	2	82	35		117	101	108
10. Faculty of Law	39	6		731	97		246*	26*	1016	129		1145	1350	1408
11. M. K. Amin Arts and Science College and College of Commerce, Padra	—	—		880	186		—	—	880	186		1066	957	796
12. College of Indian Music, Dance and Dramatics	10	10		37	39		—	—	47	49		96	105	95
13. Baroda Sanskrit Mahavidyalaya	4	2		4	—		32	2	40	6		46	62	47
14. Polytechnic	—	—		—	—		2144	12	2144	12		2156	2176	2057
Total	1311	685		9555	4233		3027	151	13893	5062		18962	19257	19486

M = Men  
W = Women  
\*Including Ph.D. Degree and Post-graduate Students.  
†Including Post-Diploma Students.



## Appendix II

Statement showing the number of Non-University Students in the year 1979-80

Faculty/Institution	Men	Women	Total 1979-80	Total 1978-79	Total 1977-78
<b>A. Diploma Courses</b>					
( i ) College of Indian Music, Dance and Dramatics	470	356	826	794	849
<b>B. Certificate Courses</b>					
( i ) Faculty of Arts	375	90	465	116	394
( ii ) Faculty of Fine Arts	—	—	—	—	5
( iii ) Baroda Sanskrit Maha- vidyalaya	40	—	40	58	100
<b>C. S.S.C. Courses</b>					
( i ) University Experimental School	475	310	767	815	764
<b>D. Nursery Courses</b>					
( i ) Chetan Balwadi	51	53	104	28	28
( ii ) Kindergarten	133	33	166	57	57
<b>Total</b>	<b>1544</b>	<b>842</b>	<b>2386</b>	<b>1868</b>	<b>2197</b>

## Appendix III

List of Degree/Diploma conferred at the Annual and Supplementary Convocation during the year 1979-80

Sr. No.	Degree/Diploma	Annual Convocation December, 1979	Supple- mentary Convocation March, 1980	Total
1	2	3	4	5
1.	Ph.D. ( Arts )	7	4	11
2.	Ph.D. ( Science )	27	10	37
3.	Ph.D. ( Education and Psychology )	16	5	21
4.	Ph.D. ( Commerce )	—	1	1
5.	Ph.D. ( Medicine )	1	1	2
6.	Ph.D. ( Technology and Engineering )	—	2	2
7.	M.D.	13	22	35
8.	M.S.	13	13	26
9.	M.A.	13	13	167
10.	Acharya	154	—	1
11.	B.A.	1	63	664
12.	Shastri	601	—	2
13.	Bachelor of Library Science	2	—	17
14.	M.Sc.	17	8	171
15.	B.Sc.	163	45	322
16.	M.Ed.	277	—	29
17.	B.Ed.	29	—	172
18.	M.Com.	172	21	112
19.	B.Com.	91	77	823
20.	P.G. Diploma in Banking	746	9	47
21.	P.G. Diploma in Co-operation	38	—	1
22.	M.Sc. ( Medical )	1	8	14
23.	M.B.B.S.	6	121	162
24.	B. Physiotherapy	41	1	15
25.	D.O.	14	2	3
26.	D.A.	1	3	5
27.	D.L. & O.	2	4	7
28.	D.C.H.	3	5	6
29.	T.D.D.	1	1	3
30.	D.C.P.	2	3	6
31.	D.G.O.	3	3	8



1	2	3	4	5
32. D.P.H.	—	—	1	1
33. D.M.R.D.	—	—	3	3
34. D.V. & D.	—	—	3	3
35. M.E.	18	18	36	8
36. M.Text ( Engineering )	3	5	11	11
37. M.Sc. ( Applied Physics )	11	—	2	2
38. B. Technology	2	—	364	35
39. B.E.	319	45	35	34
40. B.Text. ( Engineering )	35	—	34	36
47. B.Text. ( Technology )	34	—	33	9
48. B.Arch.	29	7	33	5
49. B.Pharm.	33	—	9	77
50. B.Sc. ( Tech. )—Text. Chemistry	9	—	5	200
51. LL.M.	4	1	77	39
52. LL.B. ( Special )	67	10	43	28
53. LL.B. ( General )	176	24	4	20
54. D.T.P.	34	5	18	1
55. D.L.P.	32	11	46	167
56. M.A. ( Fine )	28	—	16	16
57. M.Mus.	4	—	1	40
58. B.A. ( Fine )	20	—	9	9
59. B.Mus.	18	—	—	—
60. P.G. Diploma in Museology	1	—	—	—
61. M.Sc. ( Home )	36	10	—	—
62. B.Sc. ( Home )	134	33	—	—
63. P.G. Diploma in Pre-School Edu.	16	—	—	—
64. P.G. Diploma in Dietetics	11	5	—	—
65. M.S.W.	32	8	—	—
66. P.G. Diploma in I.R. and P.M.	—	9	—	—
Total	3553	643	4196	

Statement showing the number of Teaching Staff of various  
Faculties and Institutions as on 31st March, 1980

Sr. No.	Faculty/Institution	Pro- fessors	Readers	Lectures and Teaching Assistants	Assistant Lectures Senior/ Junior Instructors	Honorary Part-time Research and Others	Total
1	2	3	4	5	6	7	8
1.	Arts	12	20	69	—	3	104
2.	Science	18	37	141	—	—	196
3.	Edu. and Psy.	3	9	25	—	—	37
4.	Commerce	4	9	34	—	—	47
5.	Tech. and Engg.	25	48	141	1	18	233
6.	Fine Arts	4	7	24	—	2	37
7.	Home Science	3	7	36	—	2	48
8.	Social Work	1	3	9	—	1	14
9.	Law	1	1	4	—	11	17
10.	Oriental Institute	1	1	5	—	—	7
11.	College of Indian Music Dance and Dramatics	3	2	31	—	5	41
12.	Baroda Sanskrit Mahavidyalaya	1	—	6	8	4	19
13.	Polytechnic	—	4	74	2	—	80
14.	M. K. Amin Arts and Science College and College of Commerce, Padra	—	—	25	1	—	26
Total		76	148	624	12	46	906



## List of Students qualifying for the Ph.D. Degree during the year 1979-80

Sr.No.	Name	Subject	Title of the Thesis
<b>Faculty of Arts</b>			
1.	Shri Gunvantrai Jagdishbhai Desai	Archaeology	Critical and Cultural Study of Kaumarika Khand.
2.	Smt. Phasook Tulaverdhan	Archaeology	The impact of Hindu and Buddhist Philosophy on Arts in India and Thailand.
3.	Shri Kamaraqli Noormohmed Momin	Archaeology	The Archaeology of Kheda District, Gujarat (Upto 1300 A.D.).
4.	Shri Vishwasrao Hanamantrao Sonawane	Archaeology	Archaeology of the Panchmahals upto 1484 A.D.
5.	Shri Shantilal Madhuji Dalsani	Economics	Financial Structure and Economic Development in India.
6.	Smt. Kamala Srinivasan	Economics	A study of the consumption pattern of the affluent of households in Baroda City.
7.	Shri Parvkant Devajibhai Desai	Hindi	Hindi Upanyas Sahityaki Vikas Parampara Mai Sathottra Upanyas.
8.	Kumari Jyotsnaben Vithaldas Carpenter	Hindi	Kavita Ke prerana shrot.
9.	Kumari Jasbir Kaur Didwal	Hindi	Hindi Ke Adhunik Vir Kavya (1920-65).
10.	Shri Ramnath Ghverelal Sharma	Hindi	Yogin pariprekshya Mai Kabir Aur Akha Ke Kevya Mai, Abhivyakta Vichardhara Ka Tulnatn Adhyayan.
11.	Shri Nitinkumar Jayantilal Vyas	Philosophy	The problem of Evil: A study in comparative religion.
12.	Phramah Prachitra Mahahing	Sociology	Religion and Social System in Thailand.
<b>Faculty of Science</b>			
13.	Shri Appin Subramoniam N.	Biochemistry	Studies on Rat intestinal alkaline phosphatase with special reference to Nutritional deficiencies.
14.	Kumari Pallavi Harshadrai Jhala	Biochemistry	Lipid patterns in Health and Disease (Study with Antibiotic Drugs).

Sr.No.	Name	Subject	Title of the Thesis
15.	Shri Mukutsharma	Biochemistry	Studies on the Rat spinal cord.
16.	Shri Seshagin Rao Gudapaty	Biochemistry	Studies on fermented foods with reference to haemagglutinin hydrolysing bacteria—isolated from ried—Sovidli batter.
17.	Shri P. E. Thomas	Biochemistry	Studies on Rat intestinal enzymes.
18.	Shri Ganesh Trimbak Malpathak	Geology	Geology of Ambamata Area in North Gujarat.
19.	Shri Krishna Kumar Verma	Geology	Contribution to the study of quaternary sediments of southern Saurashtra coast, Gujarat with special reference to the Microfauna and Sea Level changes.
20.	Shri Sharadchandra Gordhanbhai Patel	Geology	Geological investigations around Ranibaugh and Amritpur (Nainital District U.P.) with special reference to the igneous rocks.
21.	Shri Umesh Behari Mathur	Geology	Studies on the quarternary Carbonates of southern Saurashtra with special reference to the Miliolite problem.
22.	Kumari Geeta Kanaiyalal Desai	Geology	The Mesozoic sediments of the Wagnd Hills of Eastern Kutch.
23.	Shri Pankaj Kantilal Patel	Geology	Geology of the Bentonite deposits of Kutch, Gujarat with special reference to their occurrence to origin and Industrial applications.
24.	Shri Mahesh Vasudeo Muley	Geology	Geology of the Graphite Deposites of Gujarat State with special reference to their occurrence, origin Benefications and Industrial application.
25.	Shri Nikhilkumar Dhirajlal Desai	Geology	Dimension Stones of Gujarat.
26.	Shri Toran Sharma	Geology	Geology of the Kusma Phalabas area in Central West Nepal with special reference to the structural and Geomorphological Evaluation.



Sr.No.	Name	Subject	Title of the Thesis
27.	Shri Bishal Nath Upreti	Geology	Geological Investigation on the phalebas—Bihadi Section of Kali Gandaki Valley in Central West Nepal with special reference to stratigraphy carbonate rocks and Geomorphic evaluation.
28.	Kumari Devhuti Mukundray Vyas	Zoology	Studies on certain aspects of Functional control of the preputial of glands of male rats.
29.	Kumari Naina Fatehchand Gangaramani	Zoology	Observations on the influence of sex hormones on certain functions of liver in male alimino rats rattus norvegicos albinas.
30.	Shri Vibhakar Chunilal Kotak	Zoology	Certain Histoency mological and endocrinological observations on the reproductive cycles of the Indian feral-blue-rock pigen columbaliva G.
31.	Shri Prabhudas Vithalbhai Patel	Zoology	Studies on certain aspects of Metabolism and its regulation in the liver of growing and adult pigeons.
32.	Shri Mahesh Bhagvaprased Jani	Zoology	Studies on certain histophysiological aspects of avian integuments.
33.	Shri Navinchandra Kasturchand Chudgar	Chemistry	Studies in Isoflavones.
34.	Shri Rakesh Kumar Kohli	Chemistry	Studies in some Mixed Ligand complexes containing Schiff Bases.
35.	Shri Ranjit Chunilal Desai	Chemistry	Studies in Terpenoids.
36.	Shri Babubhai Kalidas Patel	Chemistry	Utilization of Gossypol.
37.	Shri Natvarlal Dayaram Jadhav	Chemistry	Studies in Anthracene Derivatives and Azomesogens.
38.	Kumari Charusheela Trimbak Acharya	Physics	Optical study of Dissolution phenomena and Micro-indentation hardness on surface of different types of crystal.
39.	Shri Sushas Padmakar Vaidya	Physics	Investigations on the Spectra of some diatomic molecules.

Sr.No.	Name	Subject	Title of the Thesis
40.	Shri Jayant Ramanlal Otia	Physics	Ultrasonic studies in Liquid Crystals and Liquid Crystalline mixture.
41.	Shri Philip Mathew	Physics	Study of the spectra of some diatomic Molecules (Bif, Pbf and PbCl).
42.	Kumari Shailja Ramarao Rao	Botany	Effect of Nitrogen sources on the Biogenesis of Phenolic compounds in Archis Hypogaeal Tissues Culture.
43.	Shri Shuban Kishen Rawal	Botany	Some Physiological aspects of growth and differentiation in diploid and hapl Tobacco tissues growth culture.
44.	Shri Arunkumar Ramdayal Gupta	Microbiology	Studies on the Physiology of Ergot alkaloid production in Aspergillus Fumigatus.
45.	Smt. Leena Sudhir Trivedi	Microbiology	Studies on cellylolytic enzymes of Aspergillus Fumigatus and Fusarium Sp.
<b>Faculty of Education and Psychology</b>			
46.	Shri Dinkerrai Gulabbhai Naik	Education	A Study of Pupils of Anavil and Jain Families with high and low acheivement motivation with a view to studying the effects of family influence on achievement motive acquisition.
47.	Shri Purushothaman	Education	Case Studies of innovative Institutions at Secondary level in Tamil Nadu State.
48.	Kumari Sister Marie De Sales A. C.	Education	An investigation into the factors affecting Class room climate in relation to pupils' development.
49.	Shri P. D. Balasubraminiam	Education	A Critical Study of the strategies adopted for the installation of innovations in High Schools in Vellore (Tamil Nadu)
50.	Kumari Bina Dhirandra Kappara	Education	An inquiry into factors affecting reading comprehension in English.
51.	Smt. Sushilaben Jagdishchandra Patel	Education	Motivational factors of achievement affilication and power as reflected in



Sr.No.	Name	Subject	Title of the Thesis
			Gujarati Novels in the period of Thirties to Seventies of the present Century.
52.	Shri Gordhandas Vithaldas Mehant	Education	Study of Administrative behaviour of High School Principals in Central Gujarat.
53.	Shri Chandravadan Jethalal Purani	Education	Indian Teacher as a Change Agent.
54.	Smt. Rama Methew	Education	Factorial Structure of Teaching competencies among secondary school Teachers.
55.	Smt. Sarojini Daulatrai Desai	Education	A Study of Class-room ethos, pupils motivation and academic achievements.
56.	Kumari Usha Pratapsingh Chaudhary	Education	A Critical study of the Language policy of India in relation to the Educational needs and Aspirations of different Linguistics Communities of India.
57.	Smt. Mary Josephine Louis	Education	A Critical study of the communication pattern adopted by the colleges of education.
58.	Smt. Anupama Joel Shah	Education	A Critical study of the programmes of non-formal Education in Baroda City and their impact on the community.
59.	Shri Kirpalsingh Marula	Education	A study of Achievements Motivation, personal preferences preception Anxiety Risk taking behaviour and other correlates in relation to intelligence socio-economic status and performance of the prospective secondary school teachers of Orissa State.
60.	Shri P. Chinnappa	Education	An investigation into the problems and difficulties in Learning Hindi by Telugu speaking students of Class VIII in High School of Andhra Region.

Sr.No.	Name	Subject	Title of the Thesis
61.	Kumari Sabiha Mehdi	Education	A Critical evaluation of the educational programmes teaching and instructional facilities offered at the elementary stage in Baroda Municipal Corporation schools and schools run by Private Agencies in Baroda City.
62.	Shri Rameshchandra Sharma	Education	A Study of the Characteristics of resources system and the process of developing and communicating innovation and their impact on adoption process.
63.	Shri Shiva Shanker Pandya	Education	Classificatory ability of six to ten years old children.
64.	Shri Shrinivas Diwakar Joshi	Education	Educational Probles of the Scheduled Castes and Scheduled Tribe of Baroda District.
65.	Smt. Jagruti Vipul Dholakia	Education	Effects of Observers and feedback upon changing the classroom performance of pupil teachers.
66.	Smt. Malathi Seshadri	Education	An experimental on the used of programmed instructions in Secondary School.
67.	Shri Nirnanjan Bhaichand Vora	Psychology	An experimental study of some of the personality and situational determinants of cognitive consistency inconsistency with special reference to tolerance and reduction of inconsistency.
<b>Faculty of Commerce</b>			
68.	Shri Dilipkumar Ramanlal Shah	Economics	An Economic Analysis of Co-operative Dairy Industry of Gujarat.
<b>Faculty of Medicine</b>			
69.	Shri Shankar Shashidhar	Medical Biochemistry	Studies in Vitamin A Status of protein-A Caloric malnourished children.



Sr.No.	Name	Subject	Title of the Thesis
70.	Shri M. Haridas	Medical Biochemistry	Studies on Plasma Lipid Protein and Blood Haemoglobin concentra- tion of the Neonatal Infants.
<b>Faculty of Technology and Engineering</b>			
71.	Shri Chandrashekhar Bhanuprasad Upasani	Applied Chemistry	Studies in Reactive Dyes.
72.	Shri Murlidhar Venugopala Bhatt	Applied Mathematics	On some theoretical Aspects of Lubrications.
73.	Shri Ravindranath Teniram Chaudhari	Applied Physics	Thermoluminesence of the Ultra- violet and X-Ray Irradiated Thallium Doped Potassium Bromide.

## Appendix VI

## Results of the University Examinations of April-May, 1979

Sr. No.	Examination	Number appeared				Number Passed												Grand Total	Percentage of passes
		No. Regd.	No. Absent	Men	Women	Men						Women							
						Total	I Class	II Class	Pass Class	Total	I Class	II Class	Pass Class	Total	I Class	II Class	Pass Class		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
1.	Preparatory Arts	572	28	396	148	544	—	4	17	92	113	—	3	15	45	63	176	32.35%	
2.	F.Y.B.A.	995	54	562	379	941	—	8	35	168	211	—	10	64	125	199	410	43.57%	
*3.	S.Y.B.A.	1167	53	690	425	1114	—	—	—	—	336	—	—	—	—	282	618	55.47%	
4.	T.Y.B.A.	851	39	496	316	812	4	11	93	245	353	1	28	101	132	262	615	75.73%	
*5.	M.A.—Part I	195	15	97	83	180	—	8	27	28	63	2	17	33	38	90	153	85.46%	
6.	M.A.—Part II	186	7	76	103	179	—	—	—	—	1	1	—	—	—	—	1	50.00%	
7.	Acharya	2	—	2	—	2	—	1	1	—	2	—	—	—	—	—	2	50.00%	
8.	Shastri	4	—	4	—	4	—	—	—	—	1	—	—	—	1	1	2	33.33%	
9.	Visharad	7	1	5	1	6	—	—	2	1	3	—	—	1	—	2	5	100%	
10.	Post-Diploma in German Language	7	2	3	2	5	—	2	1	—	3	—	—	1	—	12	32	92.42%	
11.	Diploma in German Language	44	9	21	14	35	—	4	6	10	20	—	9	3	—	12	32	92.42%	
12.	Diploma in Russian Language	2	—	1	1	2	—	1	—	—	1	—	—	1	—	1	2	100%	
13.	Bachelor of Library Science	25	1	7	17	24	—	—	5	—	5	—	—	4	3	12	17	70.83%	
14.	Preparatory Science	61	4	53	4	57	—	—	—	—	22	—	—	—	3	3	25	43.86%	
15.	Diploma in Laboratory Techniques	9	—	7	2	9	—	6	1	—	7	—	—	2	—	2	9	100%	
16.	F.Y.B.Sc.	785	17	578	190	768	—	93	124	118	335	—	35	68	50	153	488	64.13%	

\*No Class is awarded.



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
*17.	S.Y.B.Sc.	518	28	357	133	490	—	—	—	—	—	244	—	—	—	109	353	70.00%
18.	T.Y.B.Sc.	395	11	248	136	384	10	28	60	56	154	9	31	56	28	124	278	72.42%
*19.	M.Sc. (Previous)	168	14	102	52	154	—	—	—	—	75	—	—	—	—	47	122	89.07%
20.	M.Sc. (Final)	175	4	108	63	171	2	30	45	17	94	4	31	23	3	61	155	94.51%
21.	M.Sc. (Applied Geology)	8	—	8	—	8	—	4	2	—	6	—	—	—	—	—	6	75.00%
*22.	B.Ed.	176	—	51	125	176	—	2	35	8	45	2	34	83	2	121	166	94.31%
*23.	M.Ed.	36	—	20	16	36	1	1	8	3	13	—	55	10	10	161	296	80.55%
24.	Preparatory Commerce	220	6	168	46	214	—	—	9	97	106	—	—	3	31	34	140	65.42%
25.	F.Y.B.Com.	1862	43	1261	558	1819	—	71	253	333	657	—	64	115	185	364	1021	56.12%
*26.	S.Y.B.Com.	1395	70	894	431	1325	—	—	—	—	607	—	—	—	318	925	69.86%	
27.	T.Y.B.Com.	1077	46	695	336	1031	—	33	180	251	464	1	13	115	150	279	743	73.11%
*28.	T.Y.B.Com (Under O. Com. 25)	5	1	4	—	4	—	—	—	—	2	—	—	—	—	—	2	50.00%
*29.	T.Y.B.Com. (Under O. Com. 27)	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100%
*30.	M.Com.—Part I	143	28	90	25	115	—	—	—	71	71	—	—	—	—	24	95	85.59%
31.	M.Com.—Part II	143	27	87	29	116	—	1	27	35	62	—	1	13	13	27	90	78.03%
32.	P.G. Diploma in Banking	89	7	50	32	82	—	5	14	6	25	—	2	4	7	13	38	47.05%
*33.	P.G. Diploma in Co-operation	11	—	11	—	11	—	—	—	—	1	—	—	—	—	—	1	09.09%
*34.	U.G. Diploma in Co-operation	1	1	4	2	6	—	—	—	—	4	—	—	—	—	2	6	100%
*35.	M.D. (Br. I—Medicine)	2	—	2	—	2	—	—	—	—	—	—	—	—	—	—	—	00.00%
*36.	M.D. (Br. II—Pathology)	4	—	3	1	4	—	—	—	—	3	—	—	—	—	1	4	100%
*37.	M.D. (Br. V—Obst. and Gyn.)	4	—	1	3	4	—	—	—	—	1	—	—	—	—	3	4	100%
*38.	M.D. (Br. VI—Paediatrics)	3	—	3	—	3	—	—	—	—	1	—	—	—	—	—	1	66.66%
*39.	M.D. (Br. VII—Anaesthesia)	2	—	1	1	2	—	—	—	—	1	—	—	—	—	1	2	100%
*40.	M.D. (Br. VIII—Previous and Social Medicine)	1	—	—	1	1	—	—	—	—	—	—	—	—	—	1	1	100%
*41.	M.D. (Br. IX—Radio Diagnosis)	2	—	2	—	2	—	—	—	—	1	—	—	—	—	—	1	50.00%
*42.	M.S. (Br. I—Surgery)	12	—	12	—	12	—	—	—	—	7	—	—	—	—	—	7	58.00%

\*No Class is awarded.

{From 1968 Examination, Grades are awarded to the candidates but the results are declared in classes (i.e. I Class Distinction, I Class, II Class and Pass Class).

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
*43.	M.S. (Br. III—Orthopaedics)	6	—	6	—	6	—	—	—	—	3	—	—	—	—	—	3	50.00%
*44.	M.S. (Br. IV—Oto-Rhino-Laryngology)	2	—	2	—	2	—	—	—	—	2	—	—	—	—	—	2	100%
*45.	M.S. (Br. V—Ophthalmology)	2	—	2	—	2	—	—	—	—	1	—	—	—	—	—	1	50.00%
*46.	M.Sc. (Medical)—Part I	3	—	1	2	3	—	—	—	—	—	—	—	—	—	2	2	66.66%
*47.	M.Sc. (Medical)—Part II	7	—	6	1	7	—	—	—	—	5	—	—	—	—	1	6	85.71%
*48.	Diploma in Ophthalmology	1	—	1	—	1	—	—	—	—	1	—	—	—	—	—	1	100%
*49.	Diploma in Anaesthesiology)	2	—	1	1	2	—	—	—	—	1	—	—	—	—	1	2	100%
*50.	Diploma in Laryngology & Otology	3	—	3	—	3	—	—	—	—	3	—	—	—	—	—	3	100%
*51.	Diploma in Child Health	3	—	3	—	3	—	—	—	—	1	—	—	—	—	—	1	33.33%
*52.	Diploma in Tuberculous Diseases	3	—	3	—	3	—	—	—	—	2	—	—	—	—	—	2	66.66%
*53.	Diploma in Clinical Pathology	3	—	3	—	3	—	—	—	—	3	—	—	—	—	—	3	100%
*54.	Diploma in obstetrics & Gynaecology	5	—	3	2	5	—	—	—	—	3	—	—	—	—	2	5	100%
*55.	I M.B.B.S.	18	—	17	1	18	—	—	—	—	12	—	—	—	—	1	13	72.22%
*56.	II M.B.B.S.	137	2	116	19	135	—	—	—	—	104	—	—	—	—	19	123	91.79%
*57.	Final M.B.B.S.	35	—	35	—	35	—	—	—	—	27	—	—	—	—	—	27	77.14%
*58.	F.Y.B.Physiotherapy	14	—	2	12	14	—	—	—	—	1	—	—	—	—	11	12	85.71%
*59.	F.Y.B.Physiotherapy (Suppl.)	9	—	1	8	9	—	—	—	—	—	—	—	—	—	6	6	66.66%
*60.	S.Y.B.Physiotherapy	13	—	1	12	13	—	—	—	—	1	—	—	—	—	8	9	69.33%
*61.	S.Y.B.Physiotherapy (Suppl.)	4	—	—	4	4	—	—	—	—	—	—	—	—	—	4	4	100%
*62.	T.Y.B.Physiotherapy	14	—	1	13	14	—	—	—	—	1	—	—	—	—	13	13	100%
63.	F.Y. Diploma (CME)—O.C.	113	4	109	—	109	—	—	—	53	53	—	—	—	—	—	53	48.62%
*64.	I Sem. of F.Y. Dip. (CME)	216	2	214	—	214	—	—	—	—	86	—	—	—	—	—	86	40.18%
65.	II Sem. of F.Y. Dip. (CME)	414	—	412	2	414	—	26	104	105	235	—	—	1	1	2	237	57.24%
66.	S.Y. Dip. (CME)	574	6	568	—	568	—	68	139	140	347	—	—	—	—	—	347	61.09%
*67.	I Sem. of S.Y. Dip. (CME)—EDC	112	5	107	—	107	—	—	—	—	32	—	—	—	—	—	32	29.09%
*68.	II Sem. of S.Y. Dip. (CME)—EDC	118	6	112	—	112	—	2	13	30	45	—	—	—	—	—	45	40.17%
*69.	I Sem. of Final Year D.C.E.—EDC	8	4	4	—	4	—	—	—	—	3	—	—	—	—	—	3	75.00%
*70.	I Sem. of Final Year D.M.E.—EDC	24	4	20	—	20	—	—	—	—	10	—	—	—	—	—	10	50.00%

\*No Class is awarded.



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
*71.	I Sem. of Final Year D.E.E.—EDC	28	3	25	—	25	—	—	—	—	4	—	—	—	—	—	4	16.00%
*72.	II Sem. of Final Year D.C.E.—EDC	15	3	12	—	12	—	—	4	—	9	—	—	—	—	—	9	75.00%
*73.	II Sem. of Final Year D.M.E.—EDC	52	7	45	—	45	—	11	14	12	37	—	—	—	—	—	37	82.02%
*74.	II Sem. of Final Year D.E.E.—EDC	37	11	26	—	26	—	2	2	7	11	—	—	—	—	—	11	42.30%
*75.	Diploma in Civil Engineering	134	9	125	—	125	—	32	36	20	88	—	—	—	—	—	88	70.04%
*76.	Diploma in Mechanical Engineering	190	6	184	—	184	—	63	52	24	139	—	—	—	—	—	139	75.54%
*77.	Diploma in Mechanical Engineering (Under O. TE. 155)	33	—	33	—	33	—	—	—	—	—	—	—	—	—	—	—	—
*78.	Diploma in Electrical Engineering	72	5	67	—	67	—	11	21	10	42	—	—	—	—	—	27	81.81%
*79.	Diploma in Electrical Engineering— (Under O. TE. 162)	42	2	40	—	40	—	—	—	—	—	—	—	—	—	—	42	62.68%
*80.	Diploma in Textile Chemistry	23	1	22	—	22	—	—	—	—	—	—	—	—	—	—	27	67.05%
*81.	Diploma in Textile Chemistry— (Under O. TE. 184)	53	4	49	—	49	—	—	—	—	15	—	—	—	—	—	15	68.18%
*82.	Diploma in Textile Technology	33	—	33	—	33	—	8	21	17	46	—	—	—	—	—	46	93.87%
*83.	I Sem. of Final Year Dip. in Pro- duction Engineering	10	2	8	—	8	—	—	—	—	4	—	—	—	—	—	30	90.90%
*84.	II Sem. of Final Year Dip. in Pro- duction Engineering	70	3	67	—	67	—	28	25	7	60	—	—	—	—	—	4	50.00%
*85.	I Sem. of Final Year Dip. in Industrial Electronics	18	—	18	—	18	—	—	—	—	8	—	—	—	—	—	60	89.55%
*86.	II Sem. of Final Year Dip. in Industrial Electronics	63	—	63	—	63	—	10	17	19	46	—	—	—	—	—	8	44.44%
*87.	I Sem. of F.Y. Dip. (PCT)	19	—	19	—	19	—	—	—	—	6	—	—	—	—	—	46	73.01%
*88.	II Sem. of F.Y. Dip. (PCT)	53	—	52	1	53	—	9	15	14	38	—	—	—	—	—	6	31.57%
*89.	I Sem. of S.Y. Dip. (PCT)	7	—	7	—	7	—	—	—	—	—	—	1	—	—	—	399	73.58%
*90.	II Sem. of S.Y. Dip. (PCT)	34	—	34	—	34	—	6	18	5	29	—	—	—	—	—	5	71.42%
*91.	I Sem. of T.Y. Dip. (PCT)	2	—	2	—	2	—	—	—	—	2	—	—	—	—	—	29	85.29%
*92.	II Sem. of T.Y. Dip. (PCT)	38	—	38	—	38	—	14	19	3	36	—	—	—	—	—	2	100%
																	36	94.73%

\*No Class is awarded.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
*93.	I Sem. of Final Year Dip. (PCT)	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00.00%	
*94.	II Sem. of Final Year Dip. (PCT)	34	—	34	—	34	—	29	4	—	33	—	—	—	—	—	33	97.00%	
*95.	I Sem. of F.Text. (Engg. & Tech.)	41	1	40	—	40	—	—	—	—	20	—	—	—	—	—	20	50.00%	
*96.	II Sem. of F.Text. (Engg. & Tech.)	81	—	81	—	81	2	9	25	20	56	—	—	—	—	—	56	69.06%	
*97.	I Sem. of S.Text. (Engg. & Tech.)	13	5	8	—	8	—	—	—	—	3	—	—	—	—	—	3	37.05%	
*98.	II Sem. of S.Text. (Engg. & Tech.)	86	7	79	—	79	11	24	22	14	71	—	—	—	—	—	71	89.86%	
*99.	I Sem. of T.Text. (Engineering)	7	—	7	—	7	—	—	—	—	6	—	—	—	—	—	6	85.71%	
*100.	I Sem. of T.Text. (Technology)	9	—	9	—	9	—	—	—	—	6	—	—	—	—	—	6	66.66%	
*101.	II Sem. of T.Text. (Engineering)	36	—	35	1	36	2	11	13	7	33	1	—	—	—	1	34	94.36%	
*102.	II Sem. of T.Text. (Technology)	45	—	45	—	45	1	6	28	7	42	—	—	—	—	—	42	92.11%	
*103.	I Sem. of B.Text. (Engineering)	1	—	1	—	1	—	—	—	—	1	—	—	—	—	—	1	100%	
*104.	I Sem. of B.Text. (Technology)	2	—	2	—	2	—	—	—	—	2	—	—	—	—	—	2	100%	
*105.	II Sem. of B.Text. (Engineering)	35	—	35	—	35	7	20	8	—	35	—	—	—	—	—	35	100%	
*106.	II Sem. of B.Text. (Technology)	37	—	36	1	37	5	12	15	4	36	—	—	—	1	1	37	100%	
*107.	M.Text. (Engineering)—Part II	23	—	2	—	2	—	—	—	—	2	—	—	—	—	—	2	100%	
*108.	M.Text. (Engineering)—Part IV	3	—	3	—	3	—	3	—	—	3	—	—	—	—	—	3	100%	
*109.	I Sem. of B.E. I (CME., Chem., Met.)	96	3	90	3	93	—	—	—	—	64	—	—	—	2	2	66	70.97%	
*110.	II Sem. of B.E. I	462	4	452	6	458	30	108	179	76	393	—	—	2	2	2	399	87.09%	
*111.	I Sem. of B.E. II (CME., Chem., Met.)—4 Year course	8	—	8	—	8	—	—	—	—	7	—	—	—	—	—	7	87.05%	
*112.	II Sem. of B.E. II (CME., Chem., Met.)—4 Year course	62	—	62	—	62	—	62	7	14	33	7	61	—	—	—	61	98.37%	
*113.	I Sem. of B.E. II (CME., Chem., Met.)—5 Year course	86	3	82	1	83	—	—	—	—	55	—	—	—	—	—	1	56	68.29%
*114.	II Sem. of B.E. II (CME., Chem., Met.)—5 Year course	345	2	331	12	343	29	78	121	46	274	3	3	5	1	12	286	83.87%	
*115.	I Sem. of B.E. III (CME., Chem., Met.)	80	2	77	1	78	—	—	—	—	61	—	—	—	—	—	1	80.52%	

\*No Class is awarded.



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
116.	II Sem. of B.E. III (CME., Chem., Met.)																	
*117.	I Sem. of B.E. IV (CME., Chem., Met., Electro.)	408	2	401	5	406	35	77	189	56	357	—	—	3	2	5	362	89.38%
118.	II Sem. of B.E. IV (CME., Chem., Met., Electro.)	51	1	48	2	50	—	—	—	—	30	—	—	—	—	2	32	64.00%
*119.	I Sem. of B.E. V (Civil)	384	3	374	7	381	62	87	144	34	327	1	1	3	—	5	332	87.13%
*120.	I Sem. of B.E. V (Electrical)	2	—	2	—	2	—	—	—	—	2	—	—	—	—	—	2	100%
*121.	I Sem. of B.E. V (Chemical)	4	—	3	1	4	—	—	—	—	2	—	—	—	—	1	3	75.00%
122.	II Sem. of B.E. V (Civil)	3	—	2	1	3	—	—	—	—	2	—	—	—	—	1	3	100%
123.	II Sem. of B.E. V (Mechanical)	75	—	74	1	75	48	19	7	—	74	1	—	—	—	1	75	100%
124.	II Sem. of B.E. V (Electrical)	95	—	95	—	95	65	27	2	—	94	—	—	—	—	—	94	98.09%
125.	II Sem. of B.E. V (Chemical)	53	—	53	—	53	10	21	17	—	48	—	—	—	—	—	48	90.56%
126.	II Sem. of B.E. V (Metallurgy)	35	—	34	1	35	11	9	13	1	34	—	—	1	—	1	35	100%
127.	II Sem. of B.E. V (Electronics)	36	—	36	—	36	27	8	1	—	36	—	—	—	—	2	36	100%
*128.	I Sem. of B.E. (Civil)—P.T.D.	22	—	20	2	22	11	5	4	—	20	2	—	—	—	—	22	100%
*129.	I Sem. of B.E. (Mech.)—P.T.D.	10	—	10	—	10	—	—	—	—	8	—	—	—	—	—	8	80.00%
*130.	I Sem. of B.E. (Elect.)—P.T.D.	23	—	23	—	23	—	—	—	—	21	—	—	—	—	—	21	91.30%
131.	II Sem. of B.E. (Elect.)—P.T.D.	15	—	15	—	15	—	—	—	—	9	—	—	—	—	—	9	60.00%
132.	II Sem. of B.Tech. (Elect.)— Sandwich course	5	1	4	—	4	—	—	—	—	—	—	—	—	—	—	—	00.00%
*133.	I Sem. of B.E. I (Electronics)	2	—	2	—	2	2	—	—	—	2	—	—	—	—	—	2	100%
134.	II Sem. of B.E. I (Electronics)	1	—	1	—	1	—	—	—	—	1	—	—	—	—	—	1	100%
*135.	I Sem. of B.E. II (Electronics)	28	—	27	1	28	1	7	13	2	23	—	—	—	—	—	23	82.14%
136.	II Sem. of B.E. II (Electronics)	8	—	7	1	8	—	—	—	—	6	—	—	—	—	—	6	75.00%
*137.	II Sem. of B.E. III (Electronics)	19	—	18	1	19	—	3	8	2	13	—	—	—	—	—	13	68.42%
138.	II Sem. of B.E. III (Electronics)	1	—	1	—	1	—	—	—	—	1	—	—	—	—	—	1	100%
*139.	M.E. (CME)—Part I	11	—	11	—	11	2	5	3	—	10	—	—	—	—	—	10	90.00%
*140.	M.E. (CME)—Part II	15	2	13	—	13	—	—	—	—	7	—	—	—	—	—	7	53.08%
		37	1	36	—	36	—	—	—	—	34	—	—	—	—	—	34	94.44%

\*No Class is awarded.

\*No Class is awarded.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
*141. M.E. (CME)—Part III		6	—	6	—	6	—	6	—	—	—	5	—	—	—	—	5	83.33%
142. M.E. (CME)—Part IV		23	5	18	—	18	—	18	—	—	18	—	—	—	—	—	18	100%
143. II Sem. of P.D. Dip. in Ref. and Air Cond.		8	—	8	—	8	—	8	—	4	—	8	—	—	—	—	8	100%
*144. I Sem. of B.Arch. I		3	—	2	1	3	—	—	—	—	—	2	—	—	—	1	3	100%
145. II Sem. of B.Arch. I		35	1	25	9	34	2	6	10	5	23	—	1	6	1	8	31	90.07%
*146. I Sem. of B.Arch. II		6	—	6	—	6	—	—	—	—	—	5	—	—	—	—	5	83.03%
147. II Sem. of B.Arch. II		36	—	28	8	36	—	1	15	7	23	—	—	5	1	6	29	80.06%
*148. I Sem. of B.Arch. III		3	—	1	2	3	—	—	—	—	—	1	—	—	—	—	2	66.66%
149. II Sem. of B.Arch. III		38	—	23	15	38	—	—	17	6	23	—	4	4	4	12	35	92.01%
*150. I Sem. of B.Arch. IV		7	2	4	1	5	—	—	—	—	4	—	—	—	—	1	5	100%
151. II Sem. of B.Arch. IV		37	1	27	9	36	—	4	13	4	21	—	1	7	—	8	29	80.05%
*152. I Sem. of Final B.Arch.		5	1	4	—	4	—	—	—	2	2	—	—	—	—	—	2	50.00%
153. II Sem. of Final B.Arch.		41	5	24	12	36	—	1	14	4	19	—	—	10	—	10	29	74.36%
*154. I Sem. of B.Pharm. I		5	—	5	—	5	—	—	—	—	4	—	—	—	—	—	4	80.00%
155. II Sem. of B.Pharm. I		37	—	30	7	37	7	12	5	4	28	3	1	2	—	6	34	91.90%
*156. I Sem. of B.Pharm. II		3	—	2	1	3	—	—	—	—	1	—	—	—	—	—	1	33.33%
157. II Sem. of B.Pharm. II		34	—	19	15	34	2	7	7	1	17	1	11	2	—	14	31	91.02%
158. II Sem. of B.Pharm. III		28	—	15	13	28	1	5	8	1	15	3	7	3	—	13	28	100%
*159. I Sem. of Final B.Pharm.		3	—	3	—	3	—	—	—	—	2	—	—	—	—	—	2	66.66%
160. II Sem. of Final B.Pharm.		33	—	26	7	33	1	5	16	3	25	—	2	5	—	7	32	97.00%
161. II Sem. of F.Y.B.Sc. (Tech.)— Text. Chemistry		6	—	6	—	6	1	4	1	—	6	—	—	—	—	—	6	100%
162. II Sem. of S.Y.B.Sc. (Tech.)— Text. Chemistry		7	—	7	—	7	1	5	1	—	7	—	—	—	—	—	7	100%
163. II Sem. of T.Y.B.Sc. (Tech.)— Text. Chemistry		9	—	—	—	9	3	3	3	—	9	—	—	—	—	—	9	100%
*164. I Sem. of M.Sc. (Applied Physics)		4	2	2	—	2	—	—	—	—	1	—	—	—	—	—	1	50.00%
*165. II Sem. of M.Sc. (Applied Physics)		10	3	7	—	7	—	—	—	—	5	—	—	—	—	—	5	71.04%

\*No Class is awarded.



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
*166.	III Sem. of M.Sc. (Applied Physics)	3	—	3	—	3	—	—	—	—	—	—	—	—	—	—	—	—
167.	IV Sem. of M.Sc. (Applied Physics)	11	—	9	2	11	—	2	7	—	—	—	—	—	—	—	—	—
*168.	I Sem. of M.Sc. (Applied Maths.)	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—
*169.	II Sem. of M.Sc. (Applied Maths.)	7	—	7	—	7	—	—	—	—	—	—	—	—	—	—	—	—
*170.	II Sem. of M.Sc. (Applied Maths.)	12	—	10	2	12	—	—	—	—	—	—	—	—	—	—	—	—
171.	II LL.B. (General)	6	—	6	—	6	—	—	—	—	—	—	—	—	—	—	—	—
172.	IV Sem. of LL.B.	274	28	219	27	246	—	—	—	—	—	—	—	—	—	—	—	—
173.	LL.B. (Special)	19	2	15	2	17	—	—	—	—	—	—	—	—	—	—	—	—
174.	VI Sem. of LL.B.	80	5	64	11	75	—	—	—	—	—	—	—	—	—	—	—	—
*175.	D.T.P.	113	24	70	19	89	£1	—	—	—	—	—	—	—	—	—	—	—
*176.	D.L.P.	85	15	63	7	70	£2	—	—	—	—	—	—	—	—	—	—	—
*177.	LL.M.—Part I	7	4	3	—	3	—	—	—	—	—	—	—	—	—	—	—	—
178.	LL.M.—Part II	20	5	13	2	15	—	—	—	—	—	—	—	—	—	—	—	—
179.	M.A. (Fine)	24	—	17	7	24	—	—	—	—	—	—	—	—	—	—	—	—
180.	B.A. (Fine)	21	—	8	13	21	—	—	—	—	—	—	—	—	—	—	—	—
181.	Post-Diploma in Fine Arts	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
182.	Diploma in Fine Arts	21	—	11	—	11	—	—	—	—	—	—	—	—	—	—	—	—
183.	M.A. (Fine)—Museology	5	—	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—
184.	M.Mus.	4	—	2	3	5	—	—	—	—	—	—	—	—	—	—	—	—
185.	B.Mus.	20	1	10	9	19	—	—	—	—	—	—	—	—	—	—	—	—
186.	Diploma in Music, Dance and Dramatics	54	6	24	24	48	2	5	7	10	24	—	—	—	—	—	—	—
*187.	B.Sc. (Home)	151	1	—	150	150	—	—	—	—	—	—	—	—	—	—	—	—
*188.	M.Sc. (Home)	37	—	—	37	37	—	—	—	—	—	—	—	—	—	—	—	—
*189.	P.G. Dip. in Pre-School Education	19	—	—	19	19	—	—	—	—	—	—	—	—	—	—	—	—
*190.	P.G. Dip. in Dietetics	17	—	—	17	17	—	—	—	—	—	—	—	—	—	—	—	—
*191.	M.S.W.	33	—	18	15	33	—	—	—	—	—	—	—	—	—	—	—	—
*192.	Ph.D. (Arts)	6	—	4	2	6	—	—	—	—	—	—	—	—	—	—	—	—
*193.	Ph.D. (Science)	24	—	18	6	24	—	—	—	—	—	—	—	—	—	—	—	—
*194.	Ph.D. (Education and Psychology)	17	—	8	9	17	—	—	—	—	—	—	—	—	—	—	—	—
*195.	Ph.D. (Medicine)	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—

\*No Class is awarded.

£Passed with Distinction.

Ph.D. Thesis information given from 1-1-1979 to 31-8-1979.

†Passed with 'A' Grade.

‡Passed with 'B' Grade.

§Passed with 'C' Grade.

## Results of the University Examinations of November, 1979

Appendix VII

Sr. No.	Examination	Number appeared				Number Passed														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.	Preparatory Arts	301	47	196	64	254					93	93				38	38	131	51.57%	
2.	F.Y.B.A.	433	48	253	132	385				1	86	87				67	67	154	40.00%	
*3.	S.Y.B.A.	465	49	290	126	416						135					60	195	46.87%	
4.	T.Y.B.A.	146	25	89	32	121				1	32	33				16	16	49	44.95%	
*5.	M.A.—Part I	24	5	12	7	19						10					4	14	73.68%	
6.	M.A.—Part II	28	5	12	11	23		1	3	5	9					3	4	13	56.52%	
7.	Preparatory Science	14	2	12		12					12	12						12	100%	
8.	F.Y.B.Sc.	201	28	152	21	173			5	63	68					16	17	85	49.13%	
*9.	S.Y.B.Sc.	127	13	96	18	114					47						10	57	50.00%	
10.	B.Sc.	75	10	52	7	65				9	27	36				1	6	42	64.61%	
*11.	M.Sc. (Previous)	22	5	11	6	17						11					5	16	94.11%	
12.	M.Sc. (Final)	10	3	6	1	7		1	1	1	3						1	4	57.14%	
13.	Preparatory Commerce	59	8	39	8	47			1	20	21					6	6	27	57.44%	
14.	F.Y.B.Com.	707	73	520	114	634					205	205				73	73	278	43.84%	
*15.	S.Y.B.Com.	433	74	259	100	359						97					72	169	47.07%	

\*No Class is awarded.



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
16.	T.Y.B.Com.	252	41	161	50	211	—	1	3	52	56	—	—	1	17	18	74	35.07%
*17.	T.Y.B.Com. (Under O. Com. 25)	5	—	5	—	5	—	—	—	—	5	—	—	—	—	—	5	100%
*18.	T.Y.B.Com. (Under O. Com. 27)	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	00.00%
*19.	M.Com.—Part I	20	9	11	—	11	—	—	—	—	—	—	—	—	—	—	—	72.07%
20.	M.Com.—Part II	39	8	31	—	31	—	—	—	—	8	—	—	—	—	—	—	79.68%
*21.	P.G. Diploma in Banking	16	3	8	5	13	—	1	1	3	5	—	—	1	3	4	9	69.02%
*22.	P.G. Diploma in Co-operation	2	—	2	—	2	—	—	—	—	—	—	—	—	—	—	—	00.00%
*23.	M.D. (Br. I—Medicine)	15	—	13	2	15	—	—	—	—	9	—	—	—	—	2	11	73.33%
*24.	M.D. (Br. V—Obstet. and Gyn.)	5	—	4	1	5	—	—	—	—	4	—	—	—	—	1	5	100%
*25.	M.D. (Br. VI—Paediatrics)	4	—	4	—	4	—	—	—	—	—	—	—	—	—	—	—	25.00%
*26.	M.D. (Br. VII—Anesthesia)	4	—	4	—	4	—	—	—	—	1	—	—	—	—	2	2	50.00%
*27.	M.D. (Br. X—Radio-Diagnosis)	3	—	3	—	3	—	—	—	—	3	—	—	—	—	—	3	100%
*28.	M.S. (Br. I—Surgery)	13	—	13	—	13	—	—	—	—	7	—	—	—	—	—	7	53.84%
*30.	M.S. (Br. IV—Oto-Rhino Laryngology)	3	—	2	1	3	—	—	—	—	—	—	—	—	—	—	2	66.66%
*31.	M.S. (Br. V—Ophthalmology)	2	—	2	—	2	—	—	—	—	—	—	—	—	—	—	1	50.00%
*32.	First M.B.B.S.	142	2	122	18	140	—	—	—	—	101	—	—	—	—	17	118	84.28%
*33.	Second M.B.B.S.	33	—	28	5	33	—	—	—	—	21	—	—	—	—	5	26	78.78%
*34.	Final M.B.B.S.	152	—	123	29	152	—	—	—	—	100	—	—	—	—	26	126	82.89%
*35.	B.Physiotherapy	1	—	—	1	1	—	—	—	—	—	—	—	—	—	—	1	100%
*36.	M.Sc. (Medical)—Part I	10	1	3	6	9	—	—	—	—	5	—	—	—	—	1	6	66.66%
*37.	M.Sc. (Medical)—Part II	15	2	7	6	13	—	—	—	—	4	—	—	—	—	4	8	61.53%
*38.	Diploma in Ophthalmology	3	—	3	—	3	—	—	—	—	2	—	—	—	—	—	2	66.66%
*39.	Diploma in Anaesthesiology	3	—	3	—	3	—	—	—	—	3	—	—	—	—	—	3	100%
*40.	Diploma in Laryngology and Otolaryngology	4	—	4	—	4	—	—	—	—	4	—	—	—	—	—	4	100%
*41.	Diploma in Medical Radio Diagnosis—Part I	5	—	4	1	5	—	—	—	—	4	—	—	—	—	1	5	100%
*42.	Diploma in Medical Radio Diagnosis—Part II	3	—	3	—	3	—	—	—	—	3	—	—	—	—	—	3	100%

No Class is awarded.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
*43.	Diploma in Child Health	8	—	6	2	8	—	—	—	—	4	—	—	—	—	2	6	75.00%
*44.	Diploma in Venereology and Dermatology	3	—	3	—	3	—	—	—	—	3	—	—	—	—	—	3	100%
*45.	Diploma in Clinical Pathology	4	—	—	4	4	—	—	—	—	—	—	—	—	—	4	4	100%
*46.	Diploma in Obstetrics & Gynaecology	6	—	4	2	6	—	—	—	—	2	—	—	—	—	1	3	50.00%
*47.	Diploma in Public Health	1	—	—	1	—	—	—	—	—	1	—	—	—	—	—	1	100%
48.	F.Y. Diploma (CME)—O.C.	40	6	34	—	34	—	—	—	21	21	—	—	—	—	—	21	51.60%
49.	S.Y. Diploma (CME)—O.C.	212	8	203	1	204	—	—	—	130	130	—	1	—	—	1	131	64.21%
50.	Diploma in Civil Engineering	38	8	30	—	30	—	2	4	11	17	—	—	—	—	—	17	56.66%
51.	Diploma in Mechanical Engineering	34	8	26	—	26	—	—	4	13	17	—	—	—	—	—	17	65.38%
52.	Diploma in Mechanical Engineering (Under O. T.E. 155)	6	2	4	—	4	—	—	—	—	3	—	—	—	—	—	3	75.00%
53.	Diploma in Electrical Engineering	21	3	18	—	18	—	1	1	6	8	—	—	—	—	—	8	44.44%
54.	Diploma in Electrical Engineering (Under O. T.E. 162)	11	7	4	—	4	—	—	—	—	—	—	—	—	—	—	2	50.00%
55.	Diploma in Textile Chemistry	15	1	14	—	14	—	—	—	—	4	—	—	—	—	—	4	28.57%
56.	Diploma in Textile Technology	1	—	—	1	—	—	—	—	—	1	—	—	—	—	—	1	100%
*57.	I Sem. of F.Y.Dip. (CME) (ATKT)	122	1	121	—	121	—	—	—	—	39	—	—	—	—	—	39	32.17%
*58.	I Sem. of F.Y.Dip. (N.C.)	413	5	403	5	408	—	—	—	—	303	—	—	—	—	4	307	75.15%
*59.	II Sem. of F.Y.Dip. (CME)—EDC	140	1	139	—	139	—	—	—	50	50	—	—	—	—	—	50	35.86%
*60.	I Sem. of S.Y.Dip. (CME)	324	—	322	2	324	—	—	—	—	274	—	—	—	—	2	276	85.18%
*61.	I Sem. of S.Y.Dip. (CME)—EDC	199	20	179	—	179	—	—	—	—	90	—	—	—	—	—	90	50.27%
62.	II Sem. of S.Y.Dip. (CME)—EDC	38	7	31	—	31	—	—	—	9	9	—	—	—	—	—	9	29.03%
*63.	I Sem. of Final D.C.E.—EDC	18	5	13	—	13	—	—	—	—	6	—	—	—	—	—	6	46.15%
*64.	I Sem. of Final D.M.E.—EDC	74	9	65	—	65	—	—	—	—	49	—	—	—	—	—	49	75.38%
*65.	I Sem. of Final D.E.E.—EDC	54	6	48	—	48	—	—	—	—	12	—	—	—	—	—	12	25.00%
66.	II Sem. of Final D.C.E.—EDC	6	2	4	—	4	—	—	—	—	—	—	—	—	—	—	—	00.00%
67.	II Sem. of Final D.M.E.—EDC	13	8	5	—	5	—	—	—	1	2	—	—	—	—	—	3	60.00%
68.	II Sem. of Final D.E.E.—EDC	19	13	6	—	6	—	—	—	—	—	—	—	—	—	—	—	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
*69.	I Sem. of F.Y.Dip. (PCT)	71	—	70	1	71	—	—	—	—	—	—	—	—	—	—	—	46
70.	II Sem. of F.Y.Dip. (PCT)	5	—	5	—	5	—	—	—	—	2	—	—	—	—	—	—	2
*71.	I Sem. of S.Y.Dip. (PCT)	47	—	46	1	47	—	—	—	—	—	38	—	—	—	—	—	39
72.	II Sem. of S.Y.Dip. (PCT)	4	—	4	—	4	—	—	—	—	2	—	—	—	—	—	—	2
*73.	I Sem. of T.Y.Dip. (PCT)	31	—	31	—	31	—	—	—	—	—	27	—	—	—	—	—	27
74.	II Sem. of T.Y.Dip. (PCT)	2	1	1	—	1	—	—	—	—	1	—	—	—	—	—	—	1
*75.	I Sem. of Final Dip. (PCT)	39	1	38	—	38	—	—	—	—	38	—	—	—	—	—	—	38
76.	II Sem. of Final Dip. (PCT)	1	—	1	—	1	—	—	—	—	—	5	—	—	—	—	—	—
*77.	I Sem. of P.D.Dip. Ref. & Air Cond.	8	2	6	—	6	—	—	—	—	—	—	—	—	—	—	—	5
*78.	II Sem. of Final Year Dip. in Industrial Electronics	15	—	15	—	15	—	—	—	—	6	—	—	—	—	—	—	6
79.	II Sem. of Final Year Dip. in Industrial Electronics	17	5	12	—	12	—	—	—	—	—	—	—	—	—	—	—	6
*80.	I Sem. of Final Year Dip. in Production Engineering	14	1	13	—	13	—	—	—	—	6	—	—	—	—	—	—	6
81.	II Sem. of Final Year Dip. in Production Engineering	8	2	6	—	6	—	—	—	—	9	—	—	—	—	—	—	9
*82.	I Sem. of B.E. I (CME., Chem., Met.)	334	4	314	16	330	—	—	—	—	240	—	—	—	—	—	—	5
83.	II Sem. of B.E. I (CME., Chem., Met.)	48	3	45	—	45	—	—	—	—	21	—	—	—	—	—	—	12
*84.	I Sem. of B.E. II (CME., Chem., Met.)	447	3	437	7	444	—	—	—	—	344	—	—	—	—	—	—	21
85.	II Sem. of B.E. II (CME., Chem., Met.)	49	3	46	—	46	—	—	—	—	—	—	—	—	—	—	—	7
*86.	I Sem. of B.E. I-4 Year (CME., Chem., Met.)	27	—	26	1	27	—	—	—	—	23	—	—	—	—	—	—	23
87.	II Sem. of B.E. II-4 Year (CME., Chem., Met.)	62	—	62	—	62	—	—	—	—	26	—	—	—	—	—	—	1
											60	—	—	—	—	—	—	60
																		96.77%

\*No Class is awarded.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
*88.	I Sem. of B.E. III (CME., Chem., Met.)	343	3	328	12	340	—	—	—	—	258	—	—	—	—	10	268	78.59%
89.	II Sem. of B.E. III (CME., Chem., Met.)	36	5	31	—	31	—	—	—	—	20	—	—	—	—	—	20	61.34%
*90.	I Sem. of B.E. IV (CME., Chem., Met., Electro.)	411	3	401	7	408	—	—	—	—	358	—	—	—	—	5	363	89.75%
91.	II Sem. of B.E. IV (CME., Chem., Met., Electro.)	43	3	38	2	40	—	—	—	—	21	—	—	—	—	1	22	55.00%
*92.	I Sem. of B.E. V (Civil)	109	—	106	3	109	—	—	—	—	106	—	—	—	—	3	109	100%
*93.	I Sem. of B.E. V (Mechanical)	94	2	92	—	92	—	—	—	—	92	—	—	—	—	—	92	100%
*94.	I Sem. of B.E. V (Electrical)	58	—	58	—	58	—	—	—	—	53	—	—	—	—	—	53	91.37%
*95.	I Sem. of B.E. V (Chemistry)	39	2	37	—	37	—	—	—	—	36	—	—	—	—	—	36	97.29%
*96.	I Sem. of B.E. V (Met.)	33	—	33	—	33	—	—	—	—	32	—	—	—	—	—	32	96.96%
*97.	I Sem. of B.E. V (Electro.)	16	—	12	4	16	—	—	—	—	12	—	—	—	—	4	16	100%
*98.	I Sem. of B.E. V (Electro.) (Instru. Spl.)	7	—	7	—	7	—	—	—	—	7	—	—	—	—	—	7	100%
99.	II Sem. of B.E. V (Electrical)	5	—	5	—	5	—	—	—	3	2	—	—	—	—	—	5	100%
*100.	I Sem. of Final B.E. (Civil)—P.T.D.	2	—	2	—	2	—	—	—	—	—	—	—	—	—	—	2	100%
*101.	I Sem. of Final B.E. (Mech.)—P.T.D.	2	—	2	—	2	—	—	—	—	—	—	—	—	—	—	2	100%
*102.	I Sem. of Final B.E. (Elect.)—P.T.D.	6	—	6	—	6	—	—	—	—	6	—	—	—	—	—	6	100%
103.	II Sem. of Final B.E. (Civil)—P.T.D.	10	—	10	—	10	—	—	—	5	3	—	—	—	—	—	10	100%
104.	II Sem. of Final B.E. (Mech.)—P.T.D.	24	1	23	—	23	—	—	—	10	9	—	—	—	—	—	22	95.65%
105.	II Sem. of Final B.E. (Elect.)—P.T.D.	18	—	18	—	18	—	—	—	2	4	1	—	—	—	—	7	38.88%
*106.	I Sem. of B.E. I (Electronics)	23	—	21	2	23	—	—	—	—	16	—	—	—	—	—	2	18
107.	II Sem. of B.E. I (Electronics)	5	—	4	1	5	—	—	—	—	—	—	—	—	—	—	1	3
*108.	I Sem. of B.E. II (Electronics)	29	—	28	1	29	—	—	—	—	13	—	—	—	—	—	13	44.82%
109.	II Sem. of B.E. II (Electronics)	5	—	4	1	5	—	—	—	—	—	—	—	—	—	—	3	60.00%
*110.	I Sem. of B.E. III (Electronics)	18	—	18	—	18	—	—	—	—	—	—	—	—	—	—	14	77.77%
111.	II Sem. of B.E. III (Electronics)	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
*112.	I Sem. of Final B.Tech. (Mech.)	3	—	3	—	3	—	—	—	—	—	—	—	—	—	—	3	100%
*113.	M.E.—Part I (Petrochemical)	2	—	2	—	2	—	—	—	—	—	—	—	—	—	—	2	100%
*114.	M.E. (CME., Met.)—Part I	50	2	45	3	48	—	—	—	—	—	—	—	—	—	—	34	94.11%
*115.	M.E. (CME., Met.)—Part III	34	1	32	1	33	—	—	—	—	—	—	—	—	—	—	32	96.87%
*116.	M.E. (CME.)—Part IV	21	2	18	1	19	4	11	2	—	—	—	—	—	—	—	18	94.73%
*117.	I Sem. of F.Tech. (Engg. & Tech.)	91	5	86	—	86	—	—	—	—	—	—	—	—	—	—	50	58.85%
*118.	II Sem. of F.Tech. (Engg. & Tech.)	17	1	16	—	16	—	—	—	—	—	—	—	—	—	—	8	50.00%
*119.	I Sem. of S.Tech. (Engg. & Tech.)	75	5	70	—	70	—	—	—	—	—	—	—	—	—	—	59	84.29%
*120.	II Sem. of S.Tech. (Engg. & Tech.)	9	3	6	—	6	—	—	—	—	—	—	—	—	—	—	3	50.00%
*121.	I Sem. of T.Tech. (Engg.)	46	—	46	—	46	—	—	—	—	—	—	—	—	—	—	40	86.96%
*122.	I Sem. of T.Tech. (Tech.)	31	—	31	—	31	—	—	—	—	—	—	—	—	—	—	27	87.09%
*123.	II Sem. of T.Tech. (Engg.)	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00.00%
*124.	I Sem. of B.Tech. (Engg.)	36	1	34	1	35	—	—	—	—	—	—	—	—	—	—	31	88.57%
*125.	I Sem. of B.Tech. (Tech.)	46	—	46	—	46	—	—	—	—	—	—	—	—	—	—	42	91.26%
*126.	M. Text. (Engg.)—Part I	7	—	7	—	7	—	—	—	—	—	—	—	—	—	—	5	71.43%
*127.	M. Text. (Engg.)—Part III	2	—	2	—	2	—	—	—	—	—	—	—	—	—	—	2	100%
*128.	M. Text. (Engg.)—Part IV	5	—	5	—	5	—	—	—	—	—	—	—	—	—	—	5	100%
*129.	I Sem. of P.G. Dip. in Low Cost Housing	4	—	4	—	4	—	—	—	—	—	—	—	—	—	—	4	100%
*130.	I Sem. of M.Sc. (Applied Physics)	10	3	5	2	7	—	—	—	—	—	—	—	—	—	—	5	70.42%
*131.	II Sem. of M.Sc. (Applied Physics)	2	—	2	—	2	—	—	—	—	—	—	—	—	—	—	2	100%
*132.	III Sem. of M.Sc. (Applied Physics)	6	—	6	—	6	—	—	—	—	—	—	—	—	—	—	5	83.33%
*133.	I Sem. of M.Sc. (Applied Maths.)	4	—	3	1	4	—	—	—	—	—	—	—	—	—	—	4	100%
*134.	III Sem. of M.Sc. (Applied Maths.)	7	—	6	1	7	—	—	—	—	—	—	—	—	—	—	7	100%
*135.	I Sem. of M.Sc. (Applied Chemistry)	9	—	7	2	9	—	—	—	—	—	—	—	—	—	—	8	88.08%
*136.	III Sem. of M.Sc. (Applied Chemistry)	11	—	9	2	11	—	—	—	—	—	—	—	—	—	—	11	100%
*137.	I Sem. of F.Y.B.Sc. (Tech.)—Textile Chemistry	13	—	13	—	13	—	—	—	—	—	—	—	—	—	—	12	92.03%
*138.	II Sem. of F.Y.B.Sc. (Tech.)—Textile Chemistry	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	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
*139.	I Sem. of S.Y.B.Sc. (Tech.)— Textile Chemistry	7	—	7	—	7	—	—	—	—	6	—	—	—	—	—	6	85.61%
*140.	I Sem. of T.Y.B.Sc. (Tech.)— Textile Chemistry	7	—	7	—	7	—	—	—	—	7	—	—	—	—	—	7	100%
*141.	I Sem. of B.Pharm. I	31	—	13	18	31	—	—	—	—	11	—	—	—	—	18	29	93.06%
142.	II Sem. of B.Pharm. I	2	—	1	1	2	—	—	—	—	—	—	—	—	—	1	1	50.00%
*143.	I Sem. of B.Pharm. II	38	—	31	7	38	—	—	—	—	22	—	—	—	—	5	27	71.05%
144.	II Sem. of B.Pharm. II	3	—	2	1	3	—	—	—	—	1	—	—	—	—	—	1	33.03%
*145.	I Sem. of B.Pharm. III	32	—	18	14	32	—	—	—	—	18	—	—	—	—	14	32	100%
*146.	I Sem. of B.Pharm. IV	29	—	16	13	29	—	—	—	—	11	—	—	—	—	12	23	79.03%
147.	II Sem. of B.Pharm. IV	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00.00%
*148.	I Sem. of M.Pharm.	3	—	3	—	3	—	—	—	—	3	—	—	—	—	—	3	100%
*149.	I Sem. of B.Arch. I	37	—	22	15	37	—	—	—	—	13	—	—	—	—	12	25	67.06%
150.	II Sem. of B.Arch. I	3	—	2	1	3	—	—	—	—	—	—	—	—	—	1	2	66.07%
*151.	I Sem. of B.Arch. II	31	—	24	7	31	—	—	—	—	20	—	—	—	—	7	27	87.00%
152.	II Sem. of B.Arch. II	5	—	4	1	5	—	—	—	—	4	—	—	—	—	1	5	100%
*153.	I Sem. of B.Arch. III	36	—	28	8	36	—	—	—	—	24	—	—	—	—	6	30	83.03%
154.	II Sem. of B.Arch. III	3	—	3	—	3	—	—	—	—	—	—	—	—	—	3	3	100%
*155.	I Sem. of B.Arch. IV	39	1	25	13	38	—	—	—	—	24	—	—	—	—	10	34	89.05%
156.	II Sem. of B.Arch. IV	8	—	7	1	8	—	—	—	—	2	—	—	—	—	1	3	37.05%
*157.	I Sem. of B.Arch. V (Final)	35	1	25	9	34	—	—	—	—	21	—	—	—	9	30	88.02%	
158.	II Sem. of B.Arch. V (Final)	11	2	7	2	9	—	—	—	4	2	6	—	1	1	2	8	88.08%
159.	IV Sem. of LL.B. (General)	97	21	71	5	76	—	—	—	2	21	23	—	—	1	24	31.04%	
160.	VI Sem. of LL.B. (Special)	13	7	6	—	6	—	—	—	—	4	—	—	—	—	—	4	66.06%
161.	LL.B. (Special)	12	1	10	1	11	—	—	—	3	5	8	—	—	—	—	8	72.07%
*162.	Diploma in Labour Laws	19	1	16	2	18	—	—	—	—	10	—	—	—	—	1	11	61.00%
*163.	Diploma in Taxation Laws	23	7	14	2	16	—	—	—	—	3	—	—	—	—	2	5	31.16%
*164.	LL.M.—Part I	14	7	6	1	7	—	—	—	—	—	1	—	—	—	—	1	14.27%
165.	LL.M.—Part II	11	3	8	—	8	—	—	—	1	—	—	—	—	—	—	1	12.05%

\*No Class is awarded.



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
166. M.Sc. (Home)	11	1	—	—	10	10	—	—	—	—	—	—	—	4	2	—	6	6	60.00%
167. B.Sc. (Home)	39	2	—	—	37	37	—	—	—	—	—	—	—	2	23	8	33	33	89.18%
168. P.G. Diploma in Dietetics	5	—	—	—	5	5	—	—	—	—	—	—	—	—	—	5	5	5	100%
*169. M.S.W.	9	—	8	1	9	9	—	—	—	—	—	8	—	—	—	—	1	9	100%
*170. P.G. Diploma in Industrial Relation and Personnel Management	9	—	8	1	9	9	—	—	—	—	—	8	—	—	—	—	1	9	100%
*171. Ph.D. (Arts)	4	—	1	3	4	4	—	—	—	—	—	1	—	—	—	—	3	4	—
*172. Ph.D. (Science)	14	—	12	2	14	14	—	—	—	—	—	12	—	—	—	—	2	14	—
*173. Ph.D. (Education and Psychology)	4	—	3	1	4	4	—	—	—	—	—	3	—	—	—	—	1	4	—
*174. Ph.D. (Commerce)	1	—	1	—	—	—	—	—	—	—	—	1	—	—	—	—	—	1	—
*175. Ph.D. (Medicine)	1	—	1	—	—	—	—	—	—	—	—	1	—	—	—	—	—	1	—

For Ph.D. Thesis—Information given from 1-9-1979 to 31-12-1979. \*No Class is awarded.

‡Passed with 'A' Grade.

†Passed with 'B' Grade.

‡Passed with 'C' Grade.

# Appendix VIII

## CAPITAL ACCOUNTS

### I—University General Fund

(Subject to Audit)

1979-80

Receipts	Rs.	P.	Payments	Rs.	P.
Opening Balance as on 1-4-1979	7,68,827-66		Building Works	94,431-87	
Interest	51,741-40		Closing Balance	10,60,137-19	
Grant from the State Government towards works of original nature approved by the Government	3,34,000-00				
	11,54,569-06				
Total	11,54,569-06		Total	11,54,569-06	



## II—Ayurvedic Research Fund

( Subject to Audit )

1979-80

Receipts	Rs.	P.	Payments	Rs.	P.
Opening Balance as on 1-4-1979	12,06,839-32		Amount transferred towards the excess recurring expenditure over the State Government Grant during the year	1,05,420-40	
Interest	1,19,043-51		Closing Balance	12,20,462-43	
<b>Total</b>	<b>13,25,882-83</b>		<b>Total</b>	<b>13,25,882-83</b>	

XXX

### III—Post-graduate Instruction and Research Fund

( Subject to Audit )

1979-80

Receipts		Payments	
	Rs.	P.	Rs.
Opening Balance	47,02,864-60		( i ) Expenditure on Research Schemes (including Research Assistants ) 63,688-20
Interest	4,62,491-82		( ii ) Two Post-Doctoral Fellowships @ Rs. 400/- p.m. each and Con- tingency Grant @ Rs. 1,000/- p.a. each 5,759-89
			( iii ) 12 Scholarships of Rs. 250/- p.m. and Contingent Grant of Rs. 500/- p.a. per Scholar 18,830-90
			( iv ) Closing Balance 50,77,077-43

xxx

**Total** 51,65,356-42

Total	51,65,356-42
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MEMBER YCCOMM



## 1979-80

1	2	3	1	2	3
(c)	3% Grant on the Wage Bill of the proceeding year on a cumulative basis during each year of the triennium for annual increments etc.			X Games Sports and Students' Welfare and Other Activities	8,85,657-00
(d)	Towards the approved works of Special Repairs to University Buildings	8,98,740-00		XI Miscellaneous (A, B and C)	2,93,078-56
(e)	Towards Implementation of part D.A. merged scales from 1-6-1967 and towards the revision of salary of the Non-teaching Staff of the University on the recommendations of the Gujarat State Second Pay Commission and increase in the rates of D.A. and other allowances from 1-1-1973	5,50,000-00		(A) Memberships and Contributions	22,181-11
				(B) Office Equipment	7,110-70
				(C) Other Items	2,63,786-61
(B)	Grant from the University Grants Commission towards the University Commission Unit in the University	12,000-00		XII Faculties and Institutions	2,73,72,262-6-6
				Faculties :	
				(a) Faculty of Arts	24,64,023-4
				(b) Faculty of Science	56,69,358-4
				(c) Faculty of Edu. and Psy.	14,50,572-2
				(d) Faculty of Commerce	12,19,681-1
				(e) (i) Faculty of Technology and Engineering	71,56,670
				(ii) Introduction of Degree Courses in Pharmacy	3,06,020
				(iii) Part-time Degree Courses for Diploma Students in C.M.E.	1,46,300
II	Fees from Students (A + B + C)	88,68,199-70			
(A)	Academic :				
(i)	Tuition Fees and Miscellaneous Income from Faculties and Institutions :	71,70,467-41			



1	2	3	1	2	3
<b>Faculties :</b>					
(a)	Faculty of Arts	8,75,436-00	(f)	Faculty of Law	3,18,802-19
(b)	Faculty of Science	9,17,097-11	(g)	Faculty of Fine Arts	10,87,046-49
(c)	Faculty of Education and Psychology	5,76,541-40	(h)	Faculty of Home Science	16,16,412-78
(d)	Faculty of Commerce	12,72,295-50	(i)	Faculty of Social Work	5,10,581-37
(e)	(i) Faculty of Technology and Engineering	15,01,146-58	<b>Institutions :</b>		
	(ii) Introduction of Degree Courses in Pharmacy	69,259-00	(j)	(i) Oriental Institute	3,05,066-37
	(iii) Part-time Degree Courses for Diploma Students in C.M.E.	95,136-90	(k)	(ii) Vishnupurana Department	78,576-28
(f)	Faculty of Law	4,00,159-75	(l)	College of Indian Music, Dance and Dramatics	9,57,198-65
(g)	Faculty of Fine Arts	1,03,618-30		Preparatory Classes in Arts and Commerce (closed and only expenditure on payment of arrears of grade revision etc. is shown)	8,529-83
(h)	Faculty of Home Science	3,77,797-39	(m)	Preparatory Classes in Science	—
(i)	Faculty of Social Work	75,408-00	(n)	Sanskrit Mahavidyalaya	1,78,959-76
(j)	College of Indian Music, Dance and Dramatics	86,953-15	(o)	Shri M. K. Amin Arts and Science College and College of Commerce, Padra	6,57,766-47
(k)	Sanskrit Mahavidyalaya	189-78	(p)	Polytechnic (Diploma Courses in Civil, Mechanical and Electrical Engineering)	30,01,959-53
(l)	Shri M. K. Amin Arts and Science College and College of Commerce, Padra	3,66,093-00			

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1	2	3	1	2	3
(m)	Polytechnic	3,70,109-55	(q)	Extended Diploma Courses in Civil, Mechanical and Electrical Engineering	99,883-96
(n)	Extended Diploma Courses in Civil, Mechanical and Electrical Engg.	44,106-00	(r)	Centre of Advanced Study in Education	1,38,843-38
(ii)	Fees for Enrolment etc. :		(a)	Smt. Hansa Mehta ( University ) Library	13,66,505-37
(a)	For Enrolment Certificate	35,375-00	XIII		
(b)	For Post-graduate Registration	3,745-00	(b)	Sir Sayajirao Memorial Trust Library	52,122-55
(B)	Examination Fees	13,08,235-29	XIV	University Guest House	39,303-77
(C)	Other Fees	3,89,497-00	XV	University Auxiliary Services	13,76,177-63
III	Income from Halls of Residence	9,10,173-53	(a)	M. S. University of Baroda Press	9,18,046-76
IV	Income from Buildings, Lands and Other Properties	5,30,795-76	(b)	M. S. University Stationary Unit	4,13,852-69
V	Health Service—University Health Centre	11,171-30	(c)	M. S. University Publications Sales Unit	44,278-18
VI	University Auxiliary Services (a + b + c)	12,40,452-96	XVI	Halls of Residence for Students	18,61,508-91
(a)	Income from M. S. University of Baroda Press	6,65,449-48	XVII	Sheth U. P. Ayurvedic Research Unit	1,37,209-50
(b)	Income from M. S. University Stationary Unit	4,38,616-80			
(c)	Income from M. S. University Publications Sales Unit	1,36,386-68			

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1	2	3	1	2	3
VII	Miscellaneous Receipts	2,35,677-77			
VIII	Sheth U. P. Ayurvedic Research Unit	1,37,209-50			
	(1) State Government Grant	30,000-00			
	(2) Income from Outpatient Ward	1,789-10			
	(3) Excess Recurring Expenditure met from Ayurvedic Research Fund	1,05,420-40			
IX	Refund of Insurance Premium on Insurance of Buildings, Equipment, Books etc.	10,415-00			
	Total	3,68,65,283-52			
	Add : Excess of Disbursements over Receipts i.e. DEFICIT	11,62,891-88			
	Grand Total	3,80,28,175-40			

Grand Total 3,80,28,175-40

## Grants for Development and Research Schemes—1979-80

Sr. No.	Name of Agency	Grant Rs. P.
1.	University Grants Commission	66,24,006-01
2.	Ministry of Education, Government of India	2,55,768-24
3.	Council of Scientific and Industrial Research	16,200-00
4.	Indian Council of Social Science Research	4,333-00
5.	Government of Gujarat ( Marching Grant )	15,91,002-00
6.	Government of Gujarat ( Research and Other Schemes )	4,35,480-65
7.	Grant from Government of India	1,53,989-50
8.	United States Departments of Agriculture ( AM-PL-480 Programmes )	2,11,088-00
9.	Central Social Welfare Board	3,81,850-00
10.	National Council of Educational Research and Training	96,160-00
11.	Indian Council of Agricultural Research	64,400-00
12.	Indian Council of Historical Research	10,700-00
13.	Ministry of Health	2,54,155-00
14.	Grant from Indian Petrochemicals Corporation Ltd.	20,714-55
15.	Indian Council of Medical Research	2,625-00
16.	Scheme Financed by Sarabhai Chemicals and Jyoti Ltd.	1,000-00
	Total	1,01,23,391-95



## THE MAHARAJA SAYAJIRAO

## Statement of Students Residence

Faculty/Institution	Shri K. M. Munshi Hall	Shri Manibhai Mehta Hall	Shri Maharshi Arvind Hall	Shri Sardar Patel Hall	Professor T. K. Gajjar Hall	Dr. Jivraj Mehta Hall	Lal Bahadur Shastri Hall	Shri Narservanji Yakil Hall
1	2	3	4	5	6	7	8	9
Arts	1	12	2	7	17	12	13	7
Commerce	11	12	15	15	17	18	9	14
Science	15	14	56	20	17	21	27	28
Education and Psychology	—	5	1	1	6	1	—	4
Technology and Engineering	92	109	77	101	133	976	81	81
Polytechnic	3	6	12	14	11	2	9	12
Medicine	45	14	13	15	10	25	6	5
Social Work	—	—	1	2	—	—	—	—
Fine Arts	4	13	10	11	12	10	7	12
Music	—	—	—	—	2	—	1	3
Law	1	2	—	2	2	3	2	2
Padra College	1	2	3	4	4	13	—	2
I.A.S. Training	—	—	—	—	—	—	—	—
Home Science	—	—	—	—	—	—	—	—
Grand Total	173	189	190	192	231	201	147	170

## UNIVERSITY OF BARODA

during 1979-80

Shri Radibdranath Tagore Hall	Shri M. Vishvesaraya Hall	Siddharaj Jayasinh Hall	Total	V. S. Hall	Boys Total	Smt. Sarojini Devi Hall	Smt. Hansa Mehta Hall	Pandit Gargi Hall	Kasturba Gandhi Hall	Girls Total	Grand Total
10	11	12	13	14	15	16	17	18	19	20	21
5	11	9	96	14	110	21	16	15	10	62	172
39	20	34	204	7	211	10	8	11	3	32	243
34	8	39	269	54	323	46	21	36	12	115	438
—	5	—	23	17	40	8	16	6	3	33	73
163	125	157	1215	18	1233	13	7	9	2	31	1264
48	94	62	273	—	273	—	1	—	—	1	274
24	11	5	173	4	177	19	30	5	6	60	237
—	—	—	5	14	19	2	4	—	—	6	25
5	13	16	113	7	120	23	8	13	8	52	172
1	—	3	10	1	11	8	1	1	—	10	21
9	3	5	31	—	31	7	2	2	—	11	42
4	—	3	36	—	36	—	1	—	1	2	38
—	—	—	—	3	3	—	—	1	—	1	4
—	—	—	—	1	1	75	71	64	41	251	252
332	290	333	2448	140	2588	232	186	163	86	667	3255