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M.S. University of Baroda

Thirtieth  
Annual Report

1978-79.

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# THIRTIETH ANNUAL REPORT

1978-79

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THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

THIRTIETH ANNUAL REPORT, 1978-79

(1st April, 1978 to 31st March, 1979)

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His Highness the Maharaja Sir Sayajirao Gaekwad of Baroda

## THIRTIETH ANNUAL REPORT, 1978-79

### INTRODUCTION

The Baroda University Commission appointed by His Highness the Maharaja Sir Sayajirao Gaekwad of Baroda in 1925 made out a strong case for the establishment of a Unitary Residential University at Baroda having the Faculties of Arts, Science, Technology and Agriculture, Economics, Commerce and Administration. Following the needs for other fields of higher education, the following institutions of higher learning were established in Baroda during the two decades that followed:

- (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.

The Maharaja Sayajirao University, 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 the Gujarati Section of the Old Baroda High School were taken over from the

Government of Bombay. To day the University has the following Faculties and Institutions under it—Faculties of Arts, Science, Education and Psychology, Commerce, Medicine, Technology and Engineering, Fine Arts with the College of Indian Music, Dance and Dramatics, Home Science, Social Work, Law, Oriental Institute, Polytechnic, Sanskrit Mahavidyalaya, Centre for Continuing/Adult Education and Community Services and M. K. Amin Arts and Science College and College of Commerce, Padra.

### Growth of Student Enrolment

The University started with 2,962 students on its roll. In 1978-79, it had 19,247 University students and 1,868 non-University students. The following table gives enrolment figures for the year 1973-74 to 1978-79:

Year	Total enrolment	Percentage increase/decrease
1973-74	18,551	3.1
1974-75	23,740	27.9
1975-76	21,138	-10.9
1976-77	20,664	-2.3
1977-78	19,486	-5.7
1978-79	19,247	-1.24

*Sex-Ratio in different Faculties:* The table below gives ratio of men to women students in various Faculties and Institutions of the University for the years 1950-51, 1960-61, 1970-71 and 1978-79:

	1950-51		1960-61		1970-71		1978-79	
	Men %	Women %						
	1	2	3	4	5	6	7	8
Arts	72.1	27.9	65.7	34.3	47.5	62.5	61.4	38.6
Science	—	—	87.5	12.5	72.2	27.8	70.1	29.9
Education and Psychology	87.2	12.8	63.0	37.0	30.7	60.3	33.8	66.2
Commerce	—	—	82.6	17.4	82.6	17.4	64.2	35.8
Medicine	89.8	10.2	82.6	17.4	84.0	16.0	82.7	17.3
Technology and Engineering	99.6	0.4	99.0	1.0	97.7	2.3	95.6	4.4
Fine Arts	—	—	83.6	16.4	73.0	27.0	70.7	29.3

	1	2	3	4	5	6	7	8
Home Science	—	100.0	—	100.0	0.1	99.9	0.1	99.9
Social Work	85.8	14.2	75.0	25.0	56.0	44.0	68.3	31.7
Law	—	—	—	—	89.5	10.5	89.9	10.1
College of Indian Music, Dance and Dramatics	80.0	20.0	63.3	36.7	44.1	55.9	50.5	49.5
Baroda Sanskrit Mahavidyalaya	—	—	85.7	14.3	80.0	20.0	95.2	4.8
Polytechnic	—	—	99.6	0.4	99.4	0.6	99.8	0.2
Shri M. K. Amin Arts and Science College and College of Commerce, Padra	—	—	—	—	90.8	9.2	83.9	16.1

Student Enrolment in Post-graduate Courses has shown a steady rise from 1950-51. It was 304 to start with and reached 2,468 in 1978-79.

In 1950-51 there were 2,161 Under-graduate students in the different Faculties and Institutions of the University. The figure for 1978-79 is 14,092.

### Percentage of Student Enrolment

Faculty	1974-75	1975-76	1976-77	1977-78	1978-79
Arts	14.7	13.2	12.1	14.9	16.1
Science	8.5	7.7	8.0	9.7	10.9
Education and Psychology	1.8	2.2	2.1	2.2	2.3
Commerce	17.4	17.0	15.0	15.8	18.3
Medicine	3.7	4.2	4.3	4.5	5.0
Technology and Engineering	12.7	13.8	14.8	15.9	16.8
Fine Arts	1.2	1.4	1.6	1.9	1.8
Home Science	3.5	4.5	4.9	4.8	4.1
Social Work	0.4	0.5	0.4	0.6	0.5
Law	8.2	5.5	5.8	7.2	7.0
M. K. Amin Arts and Science College and College of Commerce, Padra	4.6	4.9	3.1	4.1	5.0
College of Indian Music, Dance and Dramatics	0.4	0.4	0.5	0.5	0.6
Sanskrit Mahavidyalaya	0.3	0.3	0.3	0.2	0.3
Polytechnic	8.6	8.7	9.0	10.5	11.3
	100.0	100.0	100.0	100.0	100.0

## University Teachers

**Staff-student Ratio:** The total number of teachers (including Teaching Assistants, Senior/Junior Instructors, Honorary, Research and Part-time Lecturers) in the Faculties and Institutions of the University during the year under report is 1,022 (including 140 teachers of the Medical College) as against the total student enrolment of 19,247. This gives an over-all teacher-student ratio of 1:18.8. The corresponding strength of University teachers and staff-student ratio over the last five years is indicated below:

Year	No. of University Teachers	Student Enrolment	Staff-Student Ratio
1974-75	1,037	23,740	1:22.9
1975-76	1,012	21,138	1:20.9
1976-77	1,013	20,664	1:20.1
1977-78	1,037	19,486	1:18.8
1978-79	1,022	19,247	1:18.8

## Hostel and Health Services

**Halls of Residence:** With the rapid increase in student enrolment, the pressure of demand from students for accommodation in the University Halls of Residence has been increasing. All possible steps are being taken to increase the hostel facilities for students. At its start in 1949, the University had accommodation for only 400 men students and no accommodation for women students. At the end of the year under review there were 12 Halls for men and 4 for women students. There were 2,551 men students and 659 women students in the different Halls. The percentage of students residing in the University Hostels works out to 16.7. 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
1974-75	2,545	800	3,345	10.7	3.4	14.1
1975-76	2,676	771	3,447	12.7	3.6	16.3
1976-77	2,533	750	3,283	12.3	3.6	15.9
1977-78	2,473	726	3,199	12.7	3.7	16.4
1978-79	2,551	659	3,210	13.3	3.4	16.7

**Health Services:** The University Staff, their families and the students avail themselves of the Health Centre facilities provided by University Health Centre.

The following are the figures for the patients treated and daily average attendance over a period of last five years.

Year	No. of Cases Treated					
	Staff and their families	%	Students	%	Total Cases	Daily average attendance
1974-75	10,875	37.2	18,390	62.8	29,265	80.2
1975-76	9,001	30.1	20,899	69.9	29,900	81.9
1976-77	9,208	30.2	21,295	69.8	30,503	103.4
1977-78	11,547	35.4	21,033	64.6	32,580	105.0
1978-79	23,871	65.2	12,755	34.8	36,626	121.0

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 these Centres is as under:

	Raopura Centre	Bajwada and Pratapnagar Centre
(1) Number of Families who attended the Clinic	101	80
(2) Number of times, member from these families attended the Clinic	1,824	1,720
(3) Number of days these members were treated	3,284	3,520

The Medical Reimbursement Rules for the benefit of non-teaching staff, on the lines of the 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.

## Developments

The development activities during the preceding years are described in the Twentynine Annual Reports that have been published so far. This Thirteenth Annual Report covers the period from 1st April, 1978 to 31st March, 1979 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 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 19,247 (14,288 men students and 4,959 women students) that of non-University students was 1,868 (1,148 men students and 720 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 Eighth Annual Convocation was held in a Shamiana in the University Gardens, Baroda on Saturday, 16th December, 1978. Shri Fatehsinhrao Gaekwad, the chancellor presided. Honorable Dr. Pratap Chandra Chunder, Minister for Education and Social Welfare, Government of India delivered the Convocation Address. 3,369 degrees and diplomas were conferred.
- (ii) The Nineteenth Supplementary Convocation was held on Sunday, 25th March, 1979 in the General Education Auditorium, Baroda. Professor P. J. Madan, Vice-Chancellor presided. 567 degrees and diplomas were conferred. Appendix III gives details of degrees and diplomas conferred.

#### (2) New Courses :

Many new courses were started this year. The details are given under the respective Faculties.

#### (3) Development Officer :

The post of the Development Officer approved by the University Grants Commission under the Fifth Five Year Plan has been filled. Dr. ( Smt. ) Pratima Desai has been appointed from 20th November, 1978 as a Development Officer. The Government of Gujarat has also agreed to take over the entire liability from 1-4-1981, when 100% financial assistance from the University Grants Commission ceases.

#### (4) NAEP :

The Centre for Continuing/Adult Education and Community Services received the Grant under National Adult Education Programme (NAEP) from the University Grants Commission to start 60-100 Adult Education Centres in the year 1979-80.

#### (5) Buildings :

(a) The following new buildings were completed :

- (i) Teachers' Hostel two blocks each of 12 flats.
- (ii) 40 Quarters for Class IV Employees

(b) The following buildings are under construction :

- (i) Extension of Law Faculty Building
- (ii) New Building for Computer Centre
- (iii) Building for Department of History, Economics, Foreign Languages, and Special Assistance Programme.
- (iv) Additions and Extensions to Faculty of Science Building for accommodating additional area for Department of Mathematics, Statistics and Botany.
- (v) Extensions for the Department of Chemistry and Zoology, Faculty of Science.
- (vi) Proposed additions to the Non-Residence students' Centre on the first floor of the Canteen of Faculty of Technology and Engineering.
- (vii) New Building for Department of Museology.

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

- (1) National Seminar on Educational Technology from 28-8-1978 to 31-8-1978.
- (2) Workshops on Performance Budget in Banks from 12-9-1978 to 14-9-1978.

(3) Inter-Disciplinary Teaching in the field of Life-Sciences and the role of Microbiology in this context from 6-11-1978 to 8-11-1978.

(4) All India Seminar on Applications of Acoustics and Ultrasonics from 29-12-1978 to 31-12-1978.

(5) Seminar on Quaternary Environments from 8-2-1979 to 10-2-1979.

(6) 19th Annual Conference of the Association of Microbiologists of India.

(7) 15th Biennial Conference of Home Science Association of India.

(8) National Seminar on School Management and change from 18-12-1978 to 22-12-1978.

(9) Under the auspices of the M. S. University Union Swami Adhyatmanandji of Shivananda Ashram of Divine Life Society of India conducted 'Yoga' Classes for the benefit of the students and the teaching and non-teaching staff of the University from 8-2-1979 to 1-3-1979.

(7) *Silver Jubilee Fund* :

The University had collected an amount of Rs. 35,39,659/- as donation and Rs. 5,12,854/- as interest from various Banks on investments upto 31-3-1978. During 1978-79 University received an amount of Rs. 3,15,293/- as donation and Rs. 3,90,181/- towards interest from various Banks on the Investments. With this the total amount collected for the Silver Jubilee Fund is Rs. 38,54,952/- as donation and Rs. 9,03,035/- as interest from various Banks on investments as on 31-3-1979.

(8) *Visitors* :

(1) Smt. Sharda Mukherjee, Governor of Gujarat visited the M. S. University on :

(i) Wednesday, 13th September, 1978 to visit Faculty of Fine Arts.

(ii) Friday, 13th October, 1978 to inaugurate 'Sir Sayajirao Memorial Trust Library.

(2) Dr. Pratap Chandra Chunder, The Then Minister of Education and Social Welfare, Government of India, visited the M. S. University and addressed the Convocation on Saturday, 16th December, 1978.

(3) Professor Satish Chandra, Chairman, University Grants Commission, Delhi visited the M. S. University on Saturday, 7th April, 1979, and laid foundation stone for the new building of the Department of History.

(4) Shri Navinchandra M. Barot, Minister for Labour, Urban Department, Town Planning, Municipal Bodies, Law and Accommodation, Government of Gujarat visited the M. S. University on Saturday, 8th July, 1978.

#### 4. Teaching Staff

The teaching staff (excluding 140 in Medical College) consisted of 69 Professors, 136 Readers, 614 Lecturers, 18 Senior Instructors and Ustads, 45 Honorary, Part-time and others, the total being 882 (Appendix IV).

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

(i) Teachers who were granted facilities for further studies, research and participation in International Conferences and Seminars, etc. in India and Abroad during the year :

Name and Designation	Purpose
(1) Dr. M. M. Dadi, Reader in Economics	Granted leave to take up assignment as Visiting Associate Professor at Makerere University, Kampala, from 6-8-1978 to 30-3-1979.
(2) Dr. K. P. Lulla, Lecturer in Botany	To participate in the CSE Team Programme from 17-4-1978 to 15-7-1978 under O. 209 C and also to visit various institutions of advanced study in Ecology at United States of America.
(3) Shri V. D. Pathak, Lecturer in Mathematics	To go to U.S.A. for his Predoctoral Research work in Mathematics at University of California for a period of one year.
(4) Dr. S. T. Patel, Lecturer in Zoology	To receive training in Radioimmunology. Techniques at the Institute of Research in Reproduction, Bombay from 1-1-1979 to 31-3-1979.
(5) Professor A. R. Mehta, Professor of Botany	(i) To Chair a session and present papers at the 4th International Congress of Plant Tissue Culture at Calgary University, Canada. His visit was sponsored jointly by the University and University Grants Commission during Aug.-Sept. 1978. (ii) To visit and deliver talks at leading Tissues and Cultures laboratories in the U.K., sponsored by the British Council (London) during October, 1978.
(6) Dr. V. V. Modi, Professor of Microbiology	To participate and Chair the session of the 5th International Conference at Madison, Wisconsin, U.S.A.

Name and Designation	Purpose
(7) Miss Kiran Parekh, Lecturer and Superintendent of 'Chetan Balwadi' Laboratory Nursery School	To attend a course on "Planning Pre-school Education Programme", sponsored by the British Council at Nottingham, Britain, from 25th March, 1979 to 6th April, 1979.
(ii) Six Lecturers of the Polytechnic	have been given facilities to do their Part-time Degree in Engineering and Nine Lecturers to do their Master of Engineering course at the Faculty of Technology and Engineering.

#### 6. University Examination Results

Forty-one candidates were declared qualified for the award of Ph.D. degree of this University during the year 1978-79. A Statement showing the names, subjects and titles of the thesis is given in Appendix V.

Statements showing the University examinations results of (i) March-April-May-June, 1978 and (ii) October-November, 1978 are given in Appendices VI and VII.

#### 7. Endowments and Donations

The Syndicate accepted the following donations during the year :

Name of the Fund	Amount of Donation Rs.	Purpose
1	2	3
(i) I. B. Gajjar Memorial Scholarship donated by the Secretary, Navrachana Education and Welfare Society, Baroda	6,000/-	For awarding a Scholarship to be paid in two equal instalments, to a regular student studying in the Final Year of M.A. (Fine Arts) Sculpture Course at the Faculty of Fine Arts, M. S. University of Baroda and who has passed the B.A. (Fine Arts) Sculpture Examination held by the M. S. University of Baroda in March/April as a regular student, with atleast Second Class at first attempt, obtaining the highest

1	2	3
		number of marks in aggregate thereat. The Scholarship is tenable for one year only.
(ii) Shri Ramlubhaya Malhotra Gold Medal Fund donated by the Works Manager, Panchmahal Steel Ltd., Derol	10,000/-	For awarding a Gold Medal to a regular student who has passed the B.E. (Metallurgy) Final Year Examination held by the M. S. University of Baroda in March/April, in First Class with Distinction, at the first attempt obtaining the highest number of marks in aggregate thereat.
(iii) Shri Babubhai Amritlal Mehta Scholarship donated by M/s. Romer Dadachanji Sethna & Co., Bombay on behalf of their Clients Mrs. Purnima R. Jhaveri, Mr. Ratanbhai N. Contractor and Mr. Champaklal B. Kapadia, the executors of the last will of Mr. Babubhai alias Sumant Amritlal Mehta	20,000/-	For awarding two Scholarships of equal amount, each in two equal instalments, to those two students who are registered for M.D. Branch I (Medicine) course and have also passed their final M.B.B.S. Examination held by the M. S. University of Baroda in October/November at first attempt as a regular batch, obtaining the highest number of marks in aggregate thereat from amongst registered students for M.D. Branch I (Medicine) course in order of merit.
		Provided further that if the students who have been awarded the Scholarship as per condition mentioned above fail to prosecute their studies further for M.D. Branch I (Medicine) course of the M. S. University of Baroda, it shall be awarded to students who stand next in order of merit and who fulfil all other condition mentioned herein.
(iv) Prof. S. K. Roy Gold Medal Fund donated by Elmex Controls Pvt. Ltd., Baroda towards Silver Jubilee Fund	10,000/-	For awarding a gold medal to a student obtaining the highest number of marks in the aggregate (at first attempt) amongst the students passing the B.E. (Elect.) and B.E. Tech. (Elect.) final examination held by the M. S. University of Baroda in April/May.

1	2	3
(v) Smt. Shardabai Dattatraya Joshi Scholarship Fund donated by Smt. Shardabai D. Joshi, Baroda	6,000/-	For awarding a Scholarship in two equal instalments towards tuition fees to a poor intelligent student studying in the final year B.Com. class at the Faculty of Commerce, M. S. University of Baroda.  Provided further that the student who is awarded the above Scholarship has passed his S.Y.B.Com. Examination held by the M. S. University of Baroda in March/April as a regular student at the first attempt, obtaining the highest number of marks including English thereat from amongst all the applicants for the said scholarship.
(vi) Shri Kaushik Jethabhai Patel Memorial Prize Fund donated by Shri Jethabhai Gopalbhai Patel, Baroda	2,500/-	For awarding a cash prize to a regular student who has passed the final year B.Com. Examination held by the M. S. University of Baroda in March/April with atleast second class, at first attempt, obtaining the highest number of marks in the aggregate thereon the basis of which classes are awarded.
(vii) Shri K. H. Patel Gold Medal Fund donated by M/s. Modern Construction Co. Ltd., Bombay towards Silver Jubilee Fund	10,000/-	For awarding a gold medal to a regular student obtaining the highest number of marks in the aggregate (at first attempt) amongst the students passing the B.E. (Civil) Final Examination held by the M. S. University of Baroda in April/May.
(viii) Paramount Gold Medal Fund donated by Sarvashri K. G. Tuli and D. B. Patel, Director, Paramount Pollution Control Pvt. Ltd., Baroda to Silver Jubilee Fund	10,000/-	For awarding a gold medal to a regular student who obtains the highest number of marks in the group of subjects of Public Health Engineering at the B.E. IV (Civil) and B.E. V (Civil) examinations held by the M. S. University of Baroda in March/April at the first attempt in the same respective academic years.

## 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 1978-79 are given in Appendix VIII.

### (2) Revenue Accounts :

The receipts and disbursements during the financial year 1978-79 were Rs. 3,83,12,747-74 and Rs. 4,13,71,579-71 respectively leaving a deficit of Rs. 30,58,831-97. Details of the Accounts are given in Appendix IX.

### (3) Grants :

The University received grants totalling Rs. 77,29,801-03 for development schemes from the University Grants Commission and the Government of Gujarat and for various research schemes, from the Central Ministries, State Government Departments, C.S.I.R., United States Departments of Agriculture, Ford Foundation and other outside agencies. The details are given in Appendix X.

## 9. Construction Division

### (1) Capital Works :

The Division supervised the construction of various buildings, extension, additions and alterations and an amount of Rs. 16,02,193-19 was spent during the year on Capital Works.

### (2) Ordinary and Special Repairs :

The expenditure on ordinary repairs during the year was Rs. 2,35,682-13 and on Special Repairs was Rs. 3,11,049-77.

## CHAPTER II—OFFICERS OF THE UNIVERSITY

**Officers**

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

(4) *Deans :**Faculty**Dean*

- ( i ) Arts Professor J. D. Birje-Patil  
 ( ii ) Science Professor S. S. Merh  
 ( iii ) Education and Psychology Professor A. S. Patel  
 ( upto 30-9-1978 )  
 Professor D. B. Desai  
 ( from 1-10-1978 )  
 Professor H. P. Chokshi  
 Dr. V. P. Bhatt  
 Professor S. M. Sen  
 Professor H. C. Dholakia  
 Professor Ratan Parimoo  
 Professor ( Kumari ) Padma S. Chari  
 Dr. S. R. Yardi
- (5) *Registrar* Shri K. A. Amin  
 (6) *Librarian* Dr. L. M. Padhya  
 (7) *Other Officers :*

*Designation**Name*

- ( i ) Dean, Medical College Dr. V. P. Bhatt  
 ( ii ) Director, Oriental Institute Professor A. N. Jani  
 ( iii ) Principal, College of Indian Music, Dance and Dramatics Shri M. J. Bhatt  
 ( iv ) Principal, Sanskrit Mahavidyalaya Dr. P. K. Dongre  
 ( v ) Principal, Polytechnic Professor M. R. Panchal  
 ( upto 27-10-1978 )  
 Shri V. H. Shah  
 ( from 28-10-1978 )

- ( vi ) Principal, M. K. Amin Arts and Science College and College of Commerce, Padra Shri I. A. Dave  
 ( vii ) Head, Preparatory Unit Arts and Commerce Shri J. D. Desai  
 ( upto 13-5-1978 )  
 ( viii ) Head, Preparatory Unit Science Dr. S. K. Shah  
 ( upto 13-5-1978 )  
 ( ix ) In-charge Director, Centre for Continuing/Adult Education and Community Services Professor ( Kumari ) Malathi Chakravorty

## CHAPTER III—THE SYNDICATE AND THE SENATE

## 1. The Syndicate

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

1. Professor P. J. Madan, Vice-Chancellor
2. Professor S. M. Sethna, Pro-Vice-Chancellor
3. Director of Education or his nominee
- \*4. Shri Charan Singh Chawla
5. Professor H. P. Chokshi
- ‡6. Shri N. D. Chokshi
- †7. Dr. N. A. Dave
- ‡8. Shri P. C. Hathi
- ‡9. Shri S. B. Kulkarni
- §10. Dr. C. P. Munshi
11. Shri F. H. Palejwala
12. Shri N. M. Pandya
- \*13. Shri C. M. Parikh
14. Shri D. K. Patel
- §15. Dr. M. A. Patel
16. Dr. T. V. Patel
- †17. Shri A. L. Redey
18. Professor S. M. Sen
- %19. Dr. S. K. Shah
- \*20. Shri P. B. Zaveri

During the year the Syndicate held 19 meetings at which 597 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 :

\*Ceased to be a member from 1-11-1978

‡Became a member from 1-11-1978

†Became a member from 3-12-1978

§Ceased to be a member from 1-6-1978

and became a member from 1-11-1978

§Expired on 21-7-1978

%Ceased to be a member from 14-5-1978

Name	No. of meetings held	Class of meetings		Present
		O. = Ordinary	S. = Special	
1. Professor P. J. Madan, Vice-Chancellor	19	O. 10	O. 7	
2. Professor S. M. Sethna, Pro-Vice-Chancellor	19	S. 9	S. 9	
3. Director of Education or his nominee	19	O. 10	O. 10	
		S. 9	S. 9	
*4. Shri Charan Singh Chawla	12	O. 10	O. —	
		S. 9	S. —	
5. Professor H. P. Chokshi	19	O. 6	O. 6	
		S. 6	S. 5	
‡6. Shri N. D. Chokshi	7	O. 10	O. 8	
		S. 9	S. 6	
§7. Dr. N. A. Dave	7	O. 4	O. 4	
		S. 3	S. 2	
‡8. Shri P. C. Hathi	7	O. 4	O. 4	
		S. 3	S. 3	
‡9. Shri S. B. Kulkarni	7	O. 4	O. 4	
		S. 3	S. 1	
†10. Dr. C. P. Munshi	10	O. 4	O. 4	
		S. 3	S. 3	
11. Shri F. H. Palejwala	19	O. 5	O. 5	
		S. 5	S. 5	
12. Shri N. M. Pandya	19	O. 10	O. 9	
		S. 9	S. 9	
*13. Shri C. M. Parikh	12	O. 10	O. 10	
		S. 9	S. 9	
14. Shri D. K. Patel	19	O. 6	O. 6	
		S. 6	S. 6	
%15. Dr. M. A. Patel	5	O. 10	O. 10	
		S. 9	S. 7	
16. Dr. T. V. Patel	19	O. 3	O. 3	
		S. 2	S. 2	
§17. Shri A. L. Redey	7	O. 10	O. 8	
		S. 9	S. 7	
18. Professor S. M. Sen	19	O. 4	O. 4	
		S. 3	S. 3	
§19. Dr. S. K. Shah	3	O. 10	O. 9	
		S. 9	S. 9	
*20. Shri P. B. Zaveri	12	O. 1	O. 1	
		S. 2	S. 2	
		O. 6	O. 5	
		S. 6	S. 3	

\* Ceased to be a member from 1-11-1978

‡ Became a member from 1-11-1978

§ Became a member from 3-12-1978

† Ceased to be a member from 1-6-1978

and became a member from 1-11-1978

% Expired on 21-7-1978

§ Ceased to be a member from 14-5-1978

## 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 members of the Senate :

1. Professor R. D. Patel
2. Shri H. S. Sanghvi
3. Kumar Shri Pradyumansing
4. Dr. Jivraj N. Mehta, expired on 7-11-1978
5. Dr. M. A. Patel, expired on 21-7-1978
6. Professor A. S. Patel
7. Professor M. R. Panchal
8. Shri J. D. Desai
9. Dr. S. K. Shah
10. Shri M. D. Patel
11. Shri K. Ramamoorthy

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

1. Dr. R. M. Patel
2. Dr. P. C. Vaidya
3. Professor D. N. Pathak
4. Shri R. S. Trivedi
5. Shri N. Vittal
6. Shri Indubhai Chaturbhai Patel
7. Shri I. K. Modi
8. Shri M. N. Buch
9. Dr. A. R. Patel

The Senate met twice during the year on 22nd October, 1978 and 25th March, 1979. Eighty members attended the meeting on 22nd October, 1978 and fifty-three on 25th March, 1979.

### *Meeting of October, 1978 :*

The election of seven Fellows and two Deans to the Syndicate, two Fellows on the Board of Extra Mural Studies and three members on the Board of Accounts was held. Four Fellows were assigned to the Faculties. Replies to Questions and Supplementary Questions were given. Lapsed grant amounting to Rs. 91,387-00 in the Capital Budget and Supplementary grants amounting to Rs. 12,48,200-00 in the Revised Budget were sanctioned. Ordinances mentioned in Pamphlet No. 21 of Handbook Part II-1967 and Ordinances relating to examinations, syllabi, standard of passing, text-books prescribed etc. passed

by the Syndicate for ( a ) various courses of the Faculty of Law, ( b ) various courses of the Faculty of Education and Psychology and ( c ) prescribed text-books for the various examinations in Arts, Science, Commerce, Medicine, Technology and Engineering, Fine Arts and Home Science were considered and noted. The proposal for amendment to Statute 91 was returned to the Syndicate for reconsideration and the proposal for addition of Statute 137 A was passed. The motion of Shri K. K. Leuva for a change in the Order of Business for placing item No. 13 of the Statement of Business at item No. 9 in connection with his three resolutions was considered and passed. The motion on Resolution No. 1 was withdrawn with the consent of the Senate, Resolution No. 2 was put to vote and not carried, 8 voting for and 17 against; Resolution No. 3 was put to vote and not carried, 1 voting for and 18 against. The Twenty-ninth Annual Administrative Report and Twenty-ninth Annual Accounts for the year 1977-78 were considered and the excess of expenditure over the revised estimates for the year 1977-78 were sanctioned.

The Report of the Board of Accounts for the year 1977-78 submitted to the Senate was noted. The proposal for institution of posts for the Faculty of Arts was considered and passed. The proposal for institution of Scholarships, Prize and Medals was passed.

### *Meeting of March 1979 :*

Four Fellows were assigned to the Faculties. Reply to Questions and Supplementary Questions given. The Annual Financial Statement comprising the revised estimates for the year 1978-79 and the estimates for the year 1979-80 as set out in details were approved. Ordinances mentioned in Pamphlet No. 22 of Handbook Part II-1967 were considered and noted. The proposals for amendment of Statute 91 along with the report of the Syndicate and of Statute 136 were considered and passed. The proposals for the institution of posts in the Faculty of Arts, Faculty of Science, Faculty of Education and Psychology and Faculty of Technology and Engineering and redesignation of a post in the Faculty of Science were considered and passed. The proposal for the institution of a Prize and a Medal was passed.

## CHAPTER IV—OTHER AUTHORITIES OF THE UNIVERSITY

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

The Council for Post-graduate Studies and Research met on 9th May, 1978, 25th August, 1978 and 21st December, 1978. The following were the main items considered and recommended by the Council and approved subsequently by the Syndicate.

- (a) A Committee was appointed with powers of the Council to consider and recommend directly to the Syndicate: (i) Proposals for continuation of the various research schemes previously approved and (ii) New Research Schemes for implementation during 1979-80.
- (b) Panels of names of referees to examine theses of 63 students for the award of Ph.D. degree in different subjects.
- (c) Recognition of 23 teachers as Post-graduate teachers for guiding students for Ph.D. degree in different subjects for various Post-graduate courses including the Faculty of Medicine.
- (d) Recommended a grant of Rs. 6,000/- for being sanctioned for the year 1979-80 towards the Research Work done by the Textile and Allied Industries Research Organisation, Baroda.
- (e) Recommended extension of period to 18 students to submit their Ph.D. theses late under O.Ph.D. 4 (iii).
- (f) Registration of one student was cancelled under O.Ph.D. 3 (vi).
- (g) Three teachers from different Faculties were permitted to do Ph.D. independently and act as their own guide under O.Ph.D. 3 (ii).
- (h) Eleven students from different Faculties were permitted for Ph.D. registration in related subjects under O.Ph.D. 1 (vii).
- (i) Recommended that Indian Institute of Petroleum, Dehra Dun, be recognised for purposes of carrying on Research and Development work for the Ph.D. degree in Physics and in Chemistry to be awarded under the Faculty of Science for the benefit of eligible students of this University or persons deputed by this University as per existing rules.
- (j) Recommended that the Regional Research Laboratory, Jammu Tawi be recognised as a Research Centre for carrying on Research Work for Ph.D. degree in Microbiology in the Faculty of Science for the benefit of eligible students of this University or persons deputed by this University as per existing 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	10-1-1979
(2)	Science	2-1-1979
(3)	Commerce	13-1-1979
(4)	Law	30-12-1978
(5)	Education and Psychology	23-12-1978
(6)	Medicine	30-1-1979
(7)	Technology and Engineering	3-2-1979
(8)	Fine Arts	8-1-1979
(9)	Home Science	25-1-1979
(10)	Social Work	19-12-1979

#### (1) Faculty of Arts :

- (i) Recommended that the Book entitled "Sanskrit Kavi Samiksha" by Amar Nath Pandya be included in the list of recommended books for S.Y.B.A Sanskrit course.
- (ii) Approved the revised guide lines as recommended by the Dean, Faculty of Arts in consultations with the Heads of the Departments of the Faculty for restructuring of the three year degree courses in the Faculty for being implemented from June, 1979.
- (iii) Recommended restructured syllabi, text-books etc. for F.Y.B.A., S.Y.B.A. and T.Y.B.A. examinations for the various subjects of the Faculty of Arts for being made effective progressively from the academic year 1979-80.
- (iv) Recommended that the existing book prescribed for M.A. Part I Paper I Persian viz. Qasaid Anwari be replaced by the book Qasaid-i-Zaheer Forgabi for 1979 examinations as that book is not available in the market.
- (v) Recommended the introduction of Arabic as one of the subjects at B.A. level for being approved academically with the condition that it be not implemented without prior approval of the State Government and the relevant authorities of the University. Further recommended that the proposed syllabus of Arabic language for F.Y.B.A. (Optional—one paper only) and S.Y.B.A. minor be approved academically.

- (vi) Recommended that the proposed new syllabi, text-books etc. for some optional papers for M.A. Part I and M.A. Part II examinations in the subject of Gujarati be approved and the same be made effective for the examinations for the years 1980 to 1982.
- (vii) Recommended that the present text-books prescribed for (a) S.Y.-B.A. (Compulsory English), (b) S.Y.B.A. (Major English), (c) M.A. Part II (Principal English), (d) M.A. Part II (Subordinate English) be continued for the examinations of 1980 only.
- (viii) Recommended that the present text-books prescribed for T.Y.B.A. Major English) be continued for the examinations of 1980 and 1981.
- (ix) Recommended restructured courses, syllabi, text-books etc. for M.A. Part I and M.A. Part II in the subject of English for being made effective progressively from the academic year 1979-80.
- (x) Recommended that the details of syllabi in the subject of English for all the three years of the Shastri course be approved as per report of the Committee.
- (xi) Recommended that the M.A. Part I, Paper I contemporary Sociological Theory be re-arranged and approved as proposed and the same be made effective from the year 1978-79.
- (xii) Recommended that the proposed one year Post-graduate Diploma course "Communication, Sensitivity and self Analysis" be introduced in the Department of Sociology with effect from the academic year 1979-80. The details regarding admission requirements, duration of the course, schemes of teaching and examinations, standard of passing, award of classes, No. of attempts, tuition fees etc. for the Diploma course be approved as recommended.
- (xiii) Recommended that the proposed changes in the syllabus for the M.A. Group A: Paper IV Historical Thoughts be approved and the same be made effective from the academic year 1978-79 and onwards.
- (xiv) Recommended that the proposed modifications for M.A. Part I and M.A. Part II examinations in the subject of Political Science be approved.
- (xv) Recommended restructured syllabi, text-books etc. for M.A. examination in the subject of Marathi for being made effective from the academic year 1979-80.
- (xvi) Recommended that Philosophy be allowed to be offered as a minor subject alongwith Economics at F.Y.B.A. level and S.Y.B.A. level.
- (xvii) Recommended that the existing O. A 71, O. A 79 and O. A 87 Governing the provision for admission requirements for the

- (i) certificate course in German language, (ii) certificate course in Russian language and (iii) certificate course in French language be amended and approved as proposed and the same be made effective from the academic year 1979-80.
- (xviii) Recommended that the book entitled "Prospects for Metaphysics—Ramsey (Editor)" be added to the Books recommended for the III Paper on "Contemporary Philosophy" at M.A. Group B-I A.
- (xix) Recommended that Economics be considered as an allied subject to Philosophy in addition to subjects already accepted in the list of the allied subjects at the F.Y.B.A. and S.Y.B.A. examinations.
- (xx) Recommended that the B.A. and M.A. syllabi in Linguistics be coordinated and approved as proposed.
- (xxi) Recommended that the proposed Post-graduate Diploma course in Linguistics be introduced in the Faculty of Arts from the academic year 1979-80 and the details regarding syllabi, scheme of examination, standard of passing, award of classes etc. be approved as proposed.
- (xxii) Recommended restructured syllabi, Text-books etc. for M.A. examinations in Linguistics and the same be made effective from 1979-80.
- (xxiii) Recommended that the existing courses, syllabi, text-books etc. for F.Y.B.A. examination in the subject of Psychology be restructured and approved as proposed and the same be made effective from the academic year 1979-80.
- (xxiv) Recommended that twenty marks of the internal assessment for the special groups in M.A. Part I and Part II in the subject of Psychology be redistributed as proposed follows and the same be made effective from June, 1979 admissions and M.A. Part I examination to be held in 1980 for the first time.
- (xxv) Recommended that the existing syllabi, text-books etc. for F.Y.B.A., S.Y.B.A. (Minor), S.Y.B.A. (Major) and T.Y.B.A. courses in the subject of Geography be restructured and approved as proposed for being made effective progressively from 1979-80.
- (xxvi) Recommended that the proposed syllabus for F.Y.B.A. Groups A and B in the subject of Mathematics as an optional subject be approved.
- (2) Faculty of Science :
- (i) Recommended that the institution of 4 years evening course for M.Sc. Bio-chemistry as proposed be approved academically and

it be implemented only when special staff is given by U.G.C. and prior sanction is obtained from the proper Government/University authorities concerned.

- ( ii ) Recommended that the name of the Department of Bio-chemistry be changed to " Dr. K. G. Naik, Department of Bio-chemistry and Nutrition " provided the heir of the late Dr. K. G. Naik agrees to it.
- ( iii ) Recommended that the existing topics in different papers for M.Sc. Bio-chemistry be redistributed into 4 papers and the details of syllabi etc. be approved as proposed and the same be made effective from June, 1979.
- ( iv ) Recommended that ( a ) the institution of one year post M.Sc. Diploma in Nutritional Bio-chemistry and ( b ) Institution of Ph.D. in Nutrition for those who have passed post M.Sc. Diploma in Nutritional Bio-chemistry as proposed be approved academically and the same be implemented only when special staff is given by U.G.C. and prior sanction is obtained from the proper Government/University authorities concerned.
- ( v ) Recommended that candidates who have passed B.Sc. ( Agriculture ), B.Sc. ( Veterinary Science ), B. Pharm and B.Sc. ( Microbiology ) examinations of statutory Universities in India as regular students will be held eligible for purposes of admission to the M.Sc. ( Bio-chemistry ) degree course of the Faculty of Science as they study Biological Chemistry as one of the subjects in their under-graduate course and the same made effective from June, 1979. Their actual admission to the M.Sc. ( Bio-chemistry ) degree course will be regulated through the entrance test conducted by the Department as at present.
- ( vi ) Recommended that the proposed details of special papers of ( i ) Plant Physiology and ( ii ) Economic Botany and Phytochemistry for the M.Sc. ( Botany ) examination be approved and the same be made effective from June, 1979.
- ( vii ) Recommended that the proposed details be added after Algae in Paper I for M.Sc. ( Final ) examination in Botany.
- ( viii ) Recommended that the existing syllabi for S.Y.B.Sc. ( Subs. ) and T.Y.B.Sc. in the subject of Geography be revised and approved as proposed.
- ( ix ) Recommended that the existing syllabi for B.Sc., M.Sc. and M.Sc. ( Applied Geology ) courses in Geology be revised and approved as proposed and the same be made effective from June, 1979.

- ( x ) Recommended that 30% internal periodical test evaluation be introduced at the M.Sc. ( Previous ) and M.Sc. ( Final ) in the subject of Mathematics theory papers and the same be made effective progressively from the academic year 1979-80.
- ( xi ) Recommended that the course outlines as proposed by Dr. M.R.S. Iyenger for the one year Post-graduate Diploma course in Microbial Technology after B.Sc. be generally approved.
- ( xii ) Recommended that the existing syllabi for the F.Y.B.Sc., S.Y.B.Sc. and T.Y.B.Sc. in Physics be revised and approved as proposed and the same be made effective progressively from the academic year 1979-80.
- ( xiii ) Recommended that the existing syllabi for T.Y.B.Sc. ( Principal ) Statistics be revised and approved as proposed and the same be made effective from the academic year 1979-80.
- ( xiv ) Recommended that the exiting syllabi for M.Sc. ( Final ) Statistics be revised and approved as proposed and the same be made effective from the academic year 1979-80.
- ( xv ) Recommended that the book entitled " An Introduction to Statistical Methods " by C. B. Gupta, New Delhi, be not recommended as a text-book for B.Com. examination as it is not the practice to do so.
- ( xvi ) Recommended that the existing syllabus of the Second Paper ( Physiological Chemistry ) at the M.Sc. ( Previous ) Zoology be modified and approved as proposed and the same be made effective from June, 1979.
- ( xvii ) Recommended that the suggestions made by the Head, Department of Bio-chemistry in the matter of New Examination pattern for Diploma course in Laboratory Technique be accepted and approved except the matter regarding appointment of examiners as stated in the last para of this proposal.
- ( 3 ) *Faculty of Commerce :*
  - ( i ) Recommended that the old practice of having no sections at M.Com. Part-I and II be continued with effect from April, 1979 with double assesment system and no internal options.
  - ( ii ) Recommended that the subject ' Physical Distribution Management ' be dropped from M.Com. Part-I from June, 79 as it is proposed to be taught from June, 1979 by the Department of Business Economics as a separate paper entitled as ' Economic of Transportation ' and being included under the group of subjects with the Department of Business Economics.

- (iii) Recommended that the revised scheme and syllabi as recommended for P. G. Diploma in Banking be approved with effect from June, 1979.
- (iv) Recommended that the existing syllabus of the paper No. 3 entitled "Managerial Economics" prescribed for the M.Com. Part-I be revised and approved as proposed and the same be made effective from the academic year 1979-80.
- (v) Recommended that the new optional paper entitled "Economics of Transportation" which was previously taught by the Department of Commerce including Business Administration be introduced for the M.Com. Part-I course and the syllabi be approved as proposed with effect from the academic year 1979-80.
- (vi) Recommended that the introduction of new proposed optional papers entitled (i) Economics of Public Enterprise (ii) Labour Economics and Industrial Relations and (iii) Economics of Human Resources and Man power planning for M.Com. Part-II course be approved in principle.
- (vii) Recommended that O.Com. 8 of Governing the provision for admission requirements for the F. Y. B. Com. course be amended as proposed by the Faculty of Commerce.
- (viii) Recommended that the recommendations made by the Committee appointed by the Faculty of Commerce in the matter of the problem of the objectives, the weightage and the extent of teaching of 'English' at B. Com. level be accepted in principle.
- (4) *Faculty of Law :*
- (i) Recommended that the Faculty of Law agrees with Part-I of the Resolution No. 84/1978 of the Bar Council of India made with reference to the proposed new pattern of Legal education which is shown below :
- "Where 10 + 2 exists or comes into existence, then the Law course shall be of the duration of Four Years. As regards its part (2), the Faculty is of the opinion that as graduates would be comparatively more mature persons by virtue of their having put in three years of higher education programmes in colleges/universities, it would be proper if they are entitled to a degree in Law for professional purposes within a period of only two years after their first graduation instead of three years as proposed in their resolution.

- (ii) Recommended that the Faculty of Law has to make its recommendations as under on each of the recommendations contained in the communication No. F. 5-8/77 (HR) dated 8th September, 1978 from the University Grants Commission, New Delhi :

<i>Recommendation No. of the Panal on Law of University Grants Commission</i>	<i>Recommendation of the Faculty of Law</i>
1	2
1(a)	1 (a) Be modified and approved as under : "Only those persons shall be appointed as full time Law Teachers who have obtained a Master's degree in Law as far as possible as regular full time students or a Doctor's degree in Law of an Indian University or an equivalent qualification of a foreign University."
1(b) Regarding appointment of Part-time Law Teachers	1 (b) Be approved.
2. Regarding Eligibility condition for admission to LL.B. course.	2. Persons obtaining not less than 40% marks at the qualifying or higher examination be held eligible for admission to LL.B. course as recommended by the Bar Council of India.
3(a) Regarding facilities, Library buildings etc. for determining the number of students to be admitted in the entering law classes.	3 (a) It is not applicable to this University as it pertains to affiliated Law Colleges.
3 (b)	3 (b) Be modified and approved as under : "Subject to the aforesaid a Law department, school or college may not except in consultation

1	2
3(c) Regarding additional enrolment, if necessary, should be accommodated in another independent Unit.	3 (c) It is not applicable to this University as it pertains to affiliated Law Colleges.
4 Regarding number of students for forming a division.	4 The figures '60' and '80' be respectively replaced by '80' and '120' as the normal strength in a Division is 120 in this University.

( iii ) Recommended that the present method of conducting the Faculty examinations of 1st, 2nd, 3rd and 5th Semesters of the LL. B. degree studies, the Faculty will continue to hold the examinations subject to certain changes duly approved by the Faculty.

( 5 ) *Faculty of Education and Psychology :*

( i ) Recommended that as there is no English in Shiksha Shastri course and medium of Instruction is Hindi in the Sampurnanand Sanskrit Vishva Vidyalaya, Varanasi, status quo be maintained in the matter and the Shiksha Shastri course of that Vishvavidyalaya be not recognised as equivalent to the B.Ed. degree examination of this University on the basis of reciprocity.

( ii ) Recommended that the proposal of introduction of ( i ) Diploma course for school practitioners of one year duration and ( ii ) M.Phil. ( school management and Educational Management ) course of two years be accepted in principle.

( 6 ) *Faculty of Medicine :*

( i ) Recommended that the reports of examiners for the D.EH. examination and ( ii ) M.D.VI examination in the subject of Pediatrics be noted.

( ii ) Recommended that Dr. D. N. Shah and Dr. D. B. Vyas be not permitted to appear in the Post-graduate Diploma in Industrial

Health Examination of this University without keeping the required terms in view of the directive of the Post-graduate Committee of the Medical Council of India Communicated to this University.

- ( iii ) Recommended that the existing O.M.79 and O.M.81 governing the provision regarding the admission requirements for F.Y.B. Physiology course as well as provision regarding admission to the F.Y.B. Physiology examination be amended as proposed by the Faculty.
- ( iv ) Recommended that the proposed provision to extend the benefit of the F.Y.B. Physiology course to F.Y.B.Sc. passed students be not approved.
- ( v ) Recommended that the provision of undergoing six months Compulsory Internship be introduced for B. Physio degree course and the degree of B. Physio shall be awarded to candidates concerned, after successfully completing the Internship if they are otherwise eligible for the said degree as per rules of this University. The students concerned be paid stipend during the Internship period on par with the M.B.B.S. students.
- ( vi ) Recommended that the proposal of the Hon. Secretary, Blind Physiotherapist Association, Rajkot to remodel the existing syllabus for B.Physio be not accepted in view of the contents of the letter of the Director, School of Physiotherapy, S.S.G. Hospital, Medical College, Baroda, addressed to him which is self-explanatory.
- ( vii ) Recommended that the increase in the number of admissions from 12 to 20 students in the F.Y.B. Physiology course of this University be recommended in view of the adequate increase in the existing teaching staff of the School of Physiotherapy, S.S.G. Hospital, Medical College, Baroda.
- ( viii ) Recommended that the decision taken by the Syndicate of this University in the matter of reservation of seats for the benefit of Scheduled Castes, Scheduled Tribes and students belonging to various Communities as covered under the report of Bakshi Commission on the basis of relevant G. R. received from the State Government be adopted for reservation of seats for the benefit of students belonging to the above categories for purposes of admission to F. Y. B. ( Physio ) course.
- ( ix ) Recommended that the simultaneous registrations for the post-graduate degree and diploma in the same subject be dropped as intimated by the Medical Council of India and the existing Rule No. 2

of the rules regarding Post-graduate studies in the Faculty of Medicine be amended as proposed.

(x) Recommended that the report of the Committee appointed by the Faculty of Medicine as per S. R. No. 34 (4) dated 25-2-1978 in the matter of the revised recommendations of Medical Council of India on Under-graduate Medical Education ( Under-graduate Medical Curriculum ) as adopted by the Council at its meeting held on 15th and 16th April, 1977 be accepted in principle.

(xi) Recommended that the proposed M. D. Psychiatry degree course under the Faculty of Medicine be started. The proposed draft ordinances and draft syllabus for the proposed M. D. Psychiatry degree course be approved.

(7) *Faculty of Technology and Engineering :*

(i) Recommended that the report of the Committee appointed to revise the scheme, details of syllabi, etc. for the first year diploma in CME and to workout the scheme of examinations, details of syllabi for second and Third year Diploma in C. M. E. be approved and the same be made effective from June, 1979.

(ii) Recommended that the students who pass B. E. ( Chemical Engineering ) degree with 55% marks in the aggregate be also considered eligible for admission to M. E. course in Environmental Engineering, Civil Engineering Department and make up the deficiency, if any, as per the proposed scheme in the matter and the said provision be approved in principle.

(iii) Recommended that the National Building code be accepted. A copy of the same be purchased by students concerned. However, for the information of students necessary instruction to this effect be stated in the question papers concerned.

(iv) Recommended that the proposed revised scheme of working and examination and syllabi for P. G. Course in Geotechnical Engineering be approved in principle.

(v) Recommended revised syllabus of M. E. ( Environmental Engineering ) Part-II for being made effective from June, 1979.

(vi) Recommended that the proposed change in the scheme of examination and teaching for the final year of Part-time degree course in Civil Engineering be approved and the same be made effective from November, 1978.

(vii) Recommended revised scheme of teaching and examination and syllabi for M. E. ( Thermal Science ) and M. E. ( Production Engineering ) courses.

(viii) Recommended that the proposed scheme of teaching and examination and syllabi for F. Y., S. Y. and Final Year of Diploma courses in Mechanical Engineering be approved and the same be made progressively effective from June, 1979.

(ix) Recommended that the proposed Syllabi of Elective Paper I and II of Alternative energy sources be approved with effect from June, 1979.

(x) Recommended that the scheme of teaching and examination and syllabi of Final year Part-time Degree Course in Mechanical Engineering be modified and approved as proposed.

(xi) Recommended that the introduction of Sandwich course viz. B.Tech. in Metallurgical Engineering in the Department of Metallurgical Engineering for the benefit of those students who are in the III year Metallurgical Engineering and the proposed scheme of working and Examination for the same be approved.

(xii) Recommended that the scheme of working and examination of the B. E. III ( Metallurgical Engineering ) for Ist and 2nd Semester be modified and approved as proposed for being made effective from June, 1979.

(xiii) Recommended that the proposed change in the B. Text. ( Tech. and Engg. ) curriculum be approved and the same be made effective from June, 1979.

(xiv) Recommended introduction of additional course in English in the S. Text. ( Tech. and Engg. ) curriculum for being made effective from June, 1979.

(xv) Recommended that the proposed syllabus for Factory Management for D. T. T. II ( New Course ) be approved with effect from June, 1979.

(xvi) Recommended that the proposed re-revised course of structures and syllabus for the one year Post-graduate Diploma course in Housing be academically approved.

(xvii) Recommended that the proposal to eliminate the subject of Term work in History of Architecture ( Indian and European ) both from

the Syllabus and examinations of the B. Arch. course in view of the introduction of the system of assignments already in force be approved and the same be made effective for the 2nd year B. Arch. course from the academic year 1979-80.

- (xviii) Recommended that the scheme of teaching and examination and Syllabi etc. for the First Year, Second Year and Final Year Diploma Courses in Electrical Engineering as recommended by the Committee be approved.
- (xix) Recommended that the proposed syllabus and teaching scheme for the subject of "Electrical Engineering and Electronics" at the First Semester of modified B. E. III Civil and Metallurgy for the students admitted to the 4th Year Engineering degree programme be approved and the same be made applicable to new 2nd year students of the 4th year course from June, 1979.
- (xx) Recommended that the proposed syllabus and teaching Scheme for the subject of "Electrical Technology" for the Second Year of Diploma in Textile Technology-III Semester be approved.
- (xxi) Recommended that the existing scheme of examination for IInd year D. T. T. course be revised and approved as proposed.
- (xxii) Recommended that the proposed revised Scheme of working and examination for M. E. (Electrical) (Industrial Electronics) course be approved and the same be made effective from June, 1979.
- (xxiii) Recommended that the proposal for revision of B. E. (Electrical) and B. E. (Electronics) and Part-time Degree (Electrical) courses be approved in principle. It is further recommended that for the time being the same degree as it is given to B. E. (Electrical) passed students be given but Faculty may decide to give different degrees for the students undergoing part-time degree courses.
- (xxiv) Recommended that the proposed change in the scheme of examination and teaching for the final year of part-time degree course in Electrical Engineering be approved and the same be made effective from December, 1979.
- (xxv) Recommended that the proposed change in the scheme of Examination and Teaching for the B. Tech, V (Electrical) Engineering examination be approved and the same be made effective from the year 1979-80.

- (xxvi) Recommended that students passing B. E. (Chem. Engg.) with required percentage of marks be considered eligible for admission to M. Sc. (Applied Chemistry) course and the same be made effective from June, 1979.
- (xxvii) Recommended that the details of syllabi, etc. in the subject of Mathematics for First, Second Third and Fourth Semesters of Diploma courses in CME as suggested by the Department of Technical Education, Gujarat State be slightly modified and be approved as proposed.
- (xxviii) Recommended that the proposed syllabi for the subjects of (i) Applied Microbiology I and (ii) Applied Microbiology II for B. Pharm course be dropped.
- (xxix) Recommended that the proposed Syllabi in the subject of Hospital Pharmacy for the B. Pharm IV be approved.
- (xxx) Recommended that the proposed provision for practical training for the B. Pharm students be approved.
- (xxxi) Recommended that the proposed syllabi for the M. Pharm degree course be approved and that the same be made effective from June, 1979.
- (xxxii) Recommended that the 50% internal weightage be continued in all degree classes except for Pre-final and Final Years where 30% weightage is given. Similarly, it is recommended that 50% internal weightage be given to 1st and IInd year classes and 20% for Final Year of all Diploma courses at Faculty of Technology and Engineering and Polytechnic.
- (xxxiii) 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 degrees 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) and the same be made effective from the pre-final year batch due to join in pre-final year from admissions of June, 1979.
- (xxxiv) Recommended requirements for eligibility for admission to 4 years, 5 years degree courses in Technology, Engineering as well as Post-B.Sc. degree courses like B.E. (Electronics) and B.Sc. Tech. (Textile Chemistry).

- (xxxv) Recommended revised syllabii for the paper entitled "Engineering Economics" prescribed for the Second Semester of B. E. IV (CME. Ch. Met. Electronics Courses) for being made effective from April, 1978 examination.
- (xxxvi) Recommended deletion of the provision of Term-work load including viva of the subject of Material Science prescribed for M.E. (Electrical)—Part I and M. Text. (Engg.) Part—I for being made effective from first half of the examinations of the year 1979 and onwards
- (xxxvii) Recommended revised schemes of Teaching and Examinations for B.E. IV (Mechanical), B.E. II/IV (Electronics) and B.E. IV (Chemical) for being made effective from June, 1979.
- (xxxviii) Recommended that the present separate heads of Term work and practicals for a subject whenever they exist in the scheme of Examinations under the Faculty of Technology and Engineering including Polytechnic except for Post-graduate courses be revised to one common Head "Term work including practical and/or oral (viva) with the marks of the two separate heads added together and carried under one common head. The standard of passing will be 40% for all examinations of the Faculty and Polytechnic.
- (xxxvix) Recommended that the existing ordinances governing provision for standard of passing, award of classes etc. etc. as prescribed for the existing Diploma in CME be followed for the D.T.T. and D.T.C. courses also with a view to maintain uniformity in one and the same Faculty in the matter.

8. *Faculty of Fine Arts :*

- (i) Recommended that the details prescribed for (a) 121—Basic Design course of First Year Applied Arts, (b) 122—Basic Drawing (for Foundations Art) and (c) course 121—three-dimensional aspect of design be revised/eliminated as proposed.
- (ii) Recommended that the proposal of the Dean of the Faculty of Fine Arts in the matter of preparing the curriculum more precisely and in detail on the basis of specific objectives for each of the Studio courses of specialization and subsidiary levels as well as theory courses (Arts History, Aesthetics and languages) as proposed be approved in principle.

- (iii) Recommended that the subjects of Humanities in Degree Classes in Music, Dance and Dramatics be rearranged as per proposed 3-year degree course and the same be approved.
- (iv) Recommended that a student who has passed the Higher Secondary XII Std. examination conducted by the Higher Secondary Education Board of the Gujarat State as a regular student with English as one of the subjects or its equivalent examination recognised by this University with English as one of the subjects or the Preparatory examination in Arts/Science/Commerce of this University with English as one of the subjects and who has also passed IInd Year Diploma Examination in Dramatics of the M. S. University with 60% marks in the aggregate or its equivalent examination in Dramatics recognised by this University will be granted direct admission to the II year degree course in Dramatics under the new course.
- (v) Recommended that a student who has passed the Higher Secondary XII Std. Examination conducted by the Higher Secondary Education Board of the Gujarat State with English as one of the subjects or its equivalent examination recognised by this University with English as one of the subjects or Preparatory examinations in Arts/Science/Commerce of this University with English as one of the subjects and who has also passed 3rd Year Diploma examination in Music or Dance of the M. S. University with 60% marks or its equivalent examination in Music/Dance recognised by this University will be granted direct admission to IInd year course in Music or Dance under the new course.
- (vi) Recommended that the students who are admitted directly to the IInd Year degree course under the new course in the respective branch viz. Dramatics or Music or Dance, shall have to clear the allied subjects which they have not cleared before Final Year and the same be made effective from June, 1979.
- (vii) Recommended that a student who has passed F.Y. or Higher examination of any Faculty/College of this University or its equivalent examination recognised by this University with English as one of the subjects and who has cleared the prescribed allied subjects in Humanities for Degree students in Music, Dance and Dramatics and after passing the prescribed Aptitude Test as prescribed by the respective Departments and is found eligible for admission will be granted exemption in the subjects of Humanities etc. other than subjects of specialization.

(viii) Recommended that in view of the new three year degree ( in Dance ) the topic of Art of Production be deleted from I Year and will be taught in IInd year and the same be made effective from June, 1979.

(ix) Recommended the scheme of examination for M.A. ( Fine ) Museology as proposed.

9. *Faculty of Home Science :*

( i ) Recommended that the three year degree course under the new scheme of 10 + 2 + 3 for students specializing in Child Development be revised and approved as proposed and the same be made effective from June, 1979.

( ii ) Recommended that new courses planned for the students of Child Development under the new pattern be modified and approved as proposed and the same be made effective from June, 1979.

( iii ) Recommended that the proposed details of comprehensive examination for the M.Sc. students of Child Development be approved and the same be made effective from June, 1979.

( iv ) Recommended that the proposed course numbers assigned to P.G. Diploma in Pre-school Education and revision of some of the courses for the said Diploma be approved and the same be made effective from June, 1979.

( v ) Recommended that the proposal for admitting students from Science stream to the Foods and Nutrition specialization course be approved with an intake of 30 students with effect from June, 1979.

( vi ) Recommended the proposed outlines for the different courses in Foods and Nutrition planned for the three Year B.Sc. ( Home ) degree course be revised and approved as proposed.

( vii ) Recommended that the existing course entitled " lighting in the House " of 2 credits prescribed for B.Sc. ( Home ) course be deleted and 2 Credits be added for the course entitled " community Nutrition " of 3 credits with a view to make it upto 5 credits.

( viii ) Recommended that the existing course entitled " Guiding Child Behaviour and Development " of 3 credits prescribed for B.Sc. ( Home ) degree course be deleted and the course entitled " Selection and use of audio-visual aids " of 3 credits be approved for being offered in lieu of the earlier courses.

( ix ) Recommended that the proposed M.Sc. courses of 60 credits in Foods and Nutrition be approved and the same be made effective from June, 1979.

( x ) Recommended that the proposal to upgrade the existing Post-graduate Diploma course in Dietetics to the proposed M.Sc. degree course in Institution Management and Dietetics having 60 credits be approved and the same be made effective from June, 1979.

( xi ) Recommended that the course " Rural Life and Problems " be added in the statement of courses both in the General Home Science and specialization programme.

( xii ) Recommended that the course in Physiology and Anatomy be included in the core curriculum of Home Science Education and Extension and General Home Science, without increasing the total number of credits.

( xiii ) Recommended that the proposed change in the overall programme for 3 year degree course with specialization in Home Management be approved as proposed.

( xiv ) Recommended that the proposed course outlines for various courses in Home Management for 3 years degree course with Specialization in Home Management be revised and approved.

( xv ) Recommended that the new structure for M.Sc. ( Home ) degree course as recommended by the Boards of Studies concerned be accepted and for M.Sc. ( Home ) Clothing and Textiles, the structure given the existing O. H.S. 19 of the Hand-book Part III-1976 be continued.

( xvi ) Recommended that the seven letter grades as recommended by U.G.C. be accepted for B.Sc. ( Home ) and M.Sc. ( Home ) examinations and O. H.S. 10 be amended as proposed.

( xvii ) Recommended that detailed programme for the General B.Sc. ( Home ) degree course and the detailed outline of each course be approved as proposed.

10. *Faculty of Social Work :*

( i ) Recommended that the M.S.W. course be reorganised and approved with the modifications as proposed by the Faculty of Social Work.

- (ii) Recommended that option for labour Welfare and Industrial Relations v/s. Medical and Psychiatric Social Work prescribed for M.S.W. course be deemed as withdrawn.
- (iii) Recommended that two credits point new course on Social legislation be introduced as a part of the M. S. W. curriculum.
- (iv) Recommended that the existing Diploma in Industrial Relations and Personnel Management be revised and approved as proposed with effect from the academic year 1979-80.

### 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.	Sanskrit, Pali and Prakrit Languages and Literature	11-9-1978
2.	Persian, Urdu and other Asian Languages and Literature	12-9-1978
3.	Hindi Language and Literature	18-9-1978
4.	Gujarati Language and Literature	12-9-1978
5.	Marathi Language and Literature	13-9-1978
6.	English Language and Literature	11-9-1978
7.	Modern and Ancient European Languages and Literature	19-9-1978
8.	Sociology	20-9-1978
9.	History, Archaeology and Ancient Indian Culture	3-10-1978
10.	Philosophy	15-9-1978
11.	Linguistics	16-9-1978
12.	Library Science	16-9-1978
13.	Political Science	23-9-1978
14.	Economics	27-9-1978
15.	Physics and Meteorology	26-9-1978
16.	Chemistry	26-9-1978
17.	Botany	28-9-1978
18.	Zoology	30- 9-1978
19.	Bio-Chemistry	4-10-1978
20.	Microbiology	5-10-1978
21.	Geology	5-10-1978
22.	Mathematics	10-10-1978
23.	Statistics and Actuarial Science	4-10-1978
24.	Geography	3-10-1978
25.	Education and Educational Administration	27-9-1978

Sr.No.	Name of the Board	Date of the meeting
1	2	3
26.	Psychology	18-10-1978
27.	Banking and Business Finance	9-10-1978
28.	Accounts	22-9-1978
29.	Commerce including Business Administration	22-9-1978
30.	Co-operation	7-10-1978
31.	Business Economics	9-10-1978
32.	Anatomy and Physiology	10-10-1978
33.	Pathological Science, Pharmacology and Forensic Medicine	14-10-1978
34.	Medicine, Surgery, Mid-wifery etc.	13-10-1978
35.	Physiotherapy	17-10-1978
36.	Technology ( Textile )	13-10-1978
37.	Civil Engineering and Applied Mechanics	6-10-1978
38.	Mechanical Engineering	16-10-1978
39.	Metallurgical Engineering	6-10-1978
40.	Electrical Engineering and Electronics	16-10-1978
41.	Chemical Engineering	12-10-1978
42.	Architecture	10-10-1978
43.	Applied Chemistry	12-10-1978
44.	Applied Physics	28-9-1978
45.	Applied Mathematics	12-10-1978
46.	Pharmacy	13-10-1978
47.	Law	( i ) 7-10-1978 ( ii ) 30-12-1978
48.	Painting, Sculpture, Applied Arts, Art History and Graphic Arts	30-9-1978
49.	Music, Dance and Dramatics	25- 9-1978
50.	Museology	30- 9-1978
51.	Child Development	17-10-1978
52.	Foods and Nutrition	14-10-1978
53.	Home Science Education and Extension	18-10-1978
54.	Clothing and Textiles	19-10-1978
55.	Home Management	19-10-1978
56.	Social Work	25- 9-1978

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

## CHAPTER V—BOARDS AND COMMITTEES

### 1. University Board of Sports

Three meetings of the Board of Sports were held during the year. The Board recommended that (i) the University team should participate in various Inter University Tournaments after selection of the teams by the Selection Committee, (ii) The Inter-University West-Zone Hockey (men) tournament be conducted and (iii) the Coach for Cricket (women) team be appointed on an honorarium of Rs. 500/- per annum.

### 2. Publication 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 1978-79, (ii) the book 'Pathways in Linguistics', (iii) the book 'Freedom of Speech and Expression', (iv) the book 'The study of International Relations in India 1947-70 : A Research Survey Report'. It also recommended the Publication of the following works in the Gaekwad Oriental Series :

- (i) Reprint of Istasiddhi
- (ii) Reprint of Siddhantabindu
- (iii) Srikantha Tippanaka
- (iv) Kavacintamani
- (v) Reprint of Natyasastra Vol-I

### 3. Library Committee

Two meetings of the committee were held during the year on 29th April, 1978 and on 3rd June, 1978. It recommended allocation of funds to various departments, appointment of vendors, etc.

### 4. Standing Committee on Equivalence of Examinations

The Committee met on 9th May, 1978. It considered a number of items regarding equivalence of various examinations. The decisions taken in its above meeting are as under :-

- (i) The Intermediate Science examination (two Year Course) conducted by the Sambalpur University Burla (Orissa) be recognised as equivalent to the F.Y. B.Sc. Examinations of this University on reciprocal basis for purposes of admission to available higher courses of Studies in this University.

(ii) The B.Sc. Part I- Examination conducted by the University of Jammu, Jammu-Tawi be recognised as equivalent to the F.Y.B.Sc. Examination of this University for purposes of admission to available higher courses of studies in this University.

(iii) The Diploma examination in Home Science Examination conducted by (i) the Technical examination Board, Gujarat State, Ahmedabad, and (ii) the Sardar Patel University respectively be recognised as equivalent to the Higher Secondary School Certificate Examination (XII Std.) of the Board of Secondary Education, Gujarat State for purposes of admission to F.Y. (Home) Class of the three year degree programme of Study at the Faculty of Home Science of this University provided it is passed with "English" as one of the subjects.

(iv) The B.Ed. degree examination of the Tribhuvan University, Kathmandu, Nepal be recognised as equivalent to the B.Ed. Examination of this University on reciprocal basis for purposes of admission to available higher courses of studies in this University.

(v) The Pre-University examinations in Arts and Science (Two Year Courses) of the North-Eastern Hill University, Shillong (Meghalaya) be recognised as equivalent to the Preparatory Examinations in Arts and Science of this University respectively on reciprocal basis for purposes of admission to F.Y. B.A. and F.Y.B.Sc. Courses respectively.

(vi) The B.Com. Part I Examination of Kurukshetra University be recognised as equivalent to F.Y.B.Com. Examination of this University on reciprocal basis for purposes of admission to available higher courses of studies in this University.

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

The Committee met on 18th April, 1978 and considered the following :

- (i) The recommendation of N.C.C. Evaluation Committee of the Government of India.
- (ii) The policy for enrolment of students in N.C.C./N.S.S. and Physical Education and granting Exemption.
- (iii) Several Important items relating to higher education discussed at the 53rd Annual Conference of the Association of Indian Universities.

### 6. Finance and Establishment Standing Committee

Ten meetings of the Committee were held during the year. The Committee considered several items concerning requests for additional grants, purchase of

equipment, approval of Plans, Estimates and Tenders for construction work, contracts for various items and requests from the staff members regarding Study leave etc. The recommendations of the Committee were placed before the Syndicate.

The Committee met as the Budget Committee on 1st February, 1979. After scrutinizing various proposals received from Faculties, Institutions and Offices of the University, it submitted to the Syndicate the revised estimates for the year 1978-79 and the estimates for the year 1979-80.

#### 7 Investment Committee

The Committee held seven 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

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

#### 9 Wardens' Committee

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

#### 10 National Service Scheme

One meeting of the Advisory Committee for National Service Scheme was held during the year. It approved the reports of (i) National Service Scheme activities and (ii) Special camping Programme. The Committee recommended that (iii) Proportionate privilege leave be granted to the Teachers who organise camps during vacation and they be considered on duty while on the camp during the term period and (ii) Student volunteer leaders, be appointed at the rate of one volunteer leader for every group of 50 students on pocket allowance in the form of work scholarship, for doing N.S.S. work.

#### 11. Selection Committees

During the period from 1-4-1978 to 31-3-1979 there were 21 meetings of the Selection Committee appointed under section 48 (2) of the Act and they recommended candidates for appointment to the posts of Professors and Readers in various Faculties and Institutions in the University. There were 40 meetings

of the Standing Selection Committee for Junior posts and 18 meetings of the Standing Selection Committee for class III posts and recommended candidates for appointment to various posts in the University.

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

The Committee met on 25th November, 1978 and 1st March, 1979. The total amount of help given to students by way of tuition fees, examination fees, drawing materials, musical equipment, loan etc. during the year 1978-79 was Rs. 53,448/-.

#### 13 Board of Extra Mural Studies

The Board met on 28th August, 1978 and recommended a programme of extension lectures by the University teachers and outside experts. An amount of Rs. 10,500/- was sanctioned for the purpose.

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

The Committee met on 9th June, 1978 and 28th November, 1978 for recommending the purchase of medicines and other related matters.

#### 15 Advisory Committee for N.C.C.

One meeting of the Advisory Committee for N.C.C. was held on 4th April, 1978. The Committee recommended (i) to provide part-time Lady Officer for Girls Bn. (ii) to increase the honorarium to the part-time N.C.C. Officers (iii) to provide necessary accommodation to the N.C.C. Units attached to this University (iv) to mark as present those cadets who participate in various camps/courses of N.C.C and also to arrange substitute internal tests for them after their return.

## CHAPTER VI—RESEARCH IN THE UNIVERSITY

1. During the year under report 111 new students (30 in Faculty of Arts, 23 in Faculty of Science, 2 in Faculty of Commerce, 29 in Faculty of Education and Psychology, 7 in Faculty of Home Science, 6 in Faculty of Medicine, 8 in Faculty of Technology and Engineering, 2 in Faculty of Law and 4 in Faculty of Fine Arts (including Music College) were registered for the Ph.D. Degree.

During the year 1978-79 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	107
2	Faculty of Science	80
3	Faculty of Commerce	8
4	Faculty of Education and Psychology	135
5	Faculty of Home Science	12
6	Faculty of Medicine	20
7	Faculty of Technology and Engineering	36
8	Faculty of Law	9
9	Faculty of Fine Arts (including Music College)	17
10	Faculty of Social Work	5
	<b>Total</b>	<b>429</b>

### 2. Research Scheme Financed by the University

Sr. No.	Name of the Teacher/s	Research Scheme
<b>Faculty of Arts</b>		
(1)	Dr. C. K. Seshadri	Preparing a work-book in English for First Year B.A. Students
(2)	Shri Shah Bhupendra Naginlal	Theodore Roethke and the Whitmen Tradition
(3)	Dr. Madan Gopal Gupta	Samkranti Yogin Hindi Kavita—1300 A.D. to 1450A.D.

Sr. No.	Name of the Teacher/s	Research Scheme
(4)	Dr. (Kum.) Premalata R. Bafna	An Aesthetic study of Modern Hindi Poetry
(5)	Shri Bansidhar Sharma	Swatantryottar Hindi Upanyas On Mai Abhivasta Samasic Culture—Ek-Adhyayan
(6)	Shri D. D. Mahulkar	Ancient and Medieval Indian studies in Linguistics and their implications for modern studies.
(7)	Dr. (Mrs.) M. N. Shah	(i) An Analysis of Socio-Economic Factors Underlying The Disparity in Literacy Rates (ii) An Analysis of Enrolment of Children below the Age of 14 years in India.
<b>Faculty of Science</b>		
(1)	Dr. Amrish Shah	Transformations of Xanthates and related compounds.
(2)	Dr. R. P. Bhatt	Structure and behaviour of Chromosomes as an aid to the study of Phylogeny and Affinities of selected Angiospermic Taxa.
(3)	Dr. A. V. Ramchandran	Certain Physiological and Endocrino Aspects of tail regeneration in Lizards.
(4)	(i) Dr. S. J. Desai (ii) Dr. P. P. Patel	Petrological studies of the Metamorphic rocks around Sihori, Rajasthan.
(5)	Dr. N. M. Vashi	Geological Studies on the Main Central thrust in Central Nepal, Himalayas.
(6)	Shri S. D. Desai	Geohydrological investigations on Mahi and Sabarmati River basins within the State of Gujarat.
(7)	Dr. Ram Lakhani	Keto Nitriles in Organic Synthesis.
(8)	Dr. H. S. Desai	Scattering of slow electrons by Molecules.
(9)	Dr. Y. M. Naik	Histophysiological study of Diaphragm of Rat during Pre-Natal, Neo-Natal, and Post-Natal stages of Development.
(10)	Dr. S. J. Bedi	Ecology of the Plants growing in the Vicinity of the Mineralized Zones (Copper-Zinc-Lead deposits) Near Ambaji (North-Gujarat) with a view to fix their indicator values for mineral prospecting.

Sr. No.	Name of the Teacher/s	Research Scheme
<b>Faculty of Education and Psychology</b>		
(1)	Dr. D. B. Desai	A small Scale study for a large scale effect.
(2)	(i) Dr. N. S. Pathak (ii) Mr. J. B. Patel	A Study of achievement motive among University students.
(3)	(i) Dr. (Miss) Manjuli Gon (ii) Mr. Nirranjan B. Vora	Thing—person orientation and alienation.
(4)	Dr. (Mrs.) Neela Arvind Shelat	A try out of Supervisory inputs for developing a better school climate.
<b>Faculty of Commerce</b>		
(1)	Dr. C. S. Rathod	An enquiry into Management of District Central Co-operative Banks in Gujarat.
<b>Faculty of Medicine</b>		
(1)	Dr. H. C. Srivastava	Mechanism of Palato Closure in rat.
(2)	Dr. (Miss) Sangeeta Chandwani	Effect of oral contraceptives on liver functions peripheral blood picture and coagulations.
<b>Faculty of Technology and Engineering</b>		
(1)	Dr. Y. K. Agrwal	Analysis of some Medicinal Plants.
(2)	(i) Dr. V. S. Thattey (ii) Shri R. H. Shah	Behaviour of Reinforced Cement Concrete Single-Bay Single storey Linged Portal Frame.
(3)	Dr. J. R. Pandya	Optical study of Plastic Deformation of Ionic Crystals.
(4)	Dr. Arvind V. Shroff	Rheological and strength behaviour of Newtonian grouts.
(5)	Shri Krishna-kumar Ram-bihari Biyani	Mode of failure of Concrete with study of Rock inclusions.

Sr. No.	Name of the Teacher/s	Research Scheme	
(6)	Dr. J. M. Lohar	Synthesis of New Mesogems and study of their characterisation.	
(7)	Shri R. Balaraman	Pharmacological investigations of Medicinal Plants.	
<b>Faculty of Home Science</b>			
(1)	Mrs. Prerana D. Mohite	Survey of Learning Disabilities of Primary School Children.	
(2)	Dr. (Mrs.) Veena R. Mistry	Assessment and Development of Tests and Scales for Primary Schools.	
(3)	Dr. (Miss) Sundar Gujral	Lipid Proteino and glucose status Experimentally induced and treated Liver Amoebiasis in Hemosters.	
(4)	Dr. (Smt.) Yogini Pathak	Anthroponetric measurements of children in Gujarat of the age group birth to 18 years.	
<b>The M. K. Amin Arts &amp; Science College &amp; College of Commerce, Padra</b>			
(1)	Shri Sharma R. G.	Nirgun Evam Sagun Bhakti Ke Srot Swarup Aur Siddhanataun Ka Tulanatmak Adhyayan	
<b>College of Indian Music, Dance and Dramatics</b>			
(1)	Prof. C. C. Mehta	Bibliography of Drama.	
(2)	Shri Markand J. Bhatt	A Study of Costumes and Ornaments of Saurashtra related to the tribes and Community alongwith their origin and History.	
<b>3. Research Schemes Sponsored by Outside Agencies</b>			
The following Schemes in progress have been sponsored by the University Grants Commission, Ministries of Central Government, Departments of Government of Gujarat and Other Agencies :			
Sr. No.	Name of the Teacher/s	Title	Name of the Financing Agencies
<b>Faculty of Arts</b>			
(1)	M. B. Desai and S. K. Verma	Research Project "Bonded Labour Gujarat	on Government of Gujarat, in Dept. of Labour Social Welfare and Tribal Development.

Sr. No.	Name of the Teacher/s	Title	Name of the Financing agencies
(2)	Prof. Smt. V. A. Janki	( i ) Historical Geography of Cambay ( ii ) Principles of Economic Geography	U.G.C. U.G.C.
(3)	Dr. Jayshree De	Cummulative Development of Petrochemical Complex and its Impact on Regional Development.	U.G.C.
(4)	Prof. K. C. Panchanandikar and Dr. Mrs. J. Panchanandikar	The Levels of Development of Social Welfare Services in the State of Gujarat	Dept. of Social Welfare in the Ministry of Education and Social Welfare Govt. of India.
(5)	Dr. S. C. Misra	1. Urban History, Surat. 2. Documentation, Publication	ICHR ICHR
(6)	Dr. V. K. Chavda	Renaissant Gujarat	ICHR
(7)	Dr. K. S. Mathew	Portuguese Trade with India 1530-1600.	U.G.C.
(8)	Dr. G. D. Sharma	Agrarian Relations and economy of Western India during the eighteenth Century.	U.G.C.
(9)	Dr. S. K. Desai	Medieval Society in Gujarat.	
<b>Faculty of Science</b>			
(10)	Prof. C. V. Ramakrishnan	( i ) Research Project No. UR-A7-(240), Grant No.FG-In-491 " Study of Indian Fermented foods from legumes and the production of Similar fermented foods from U.S. Soyabeans "	Am PL 480 USDA

Sr. No.	Name of the Teacher/s	Title	Name of the Financing Agencies
		( ii ) Research Project No. UR-A7-(240)-261 Grant No. FG-In-529 " Nutritional and Physiological studies on haemoglutimins, to provide information basic to increasing the utilisation of soyabeans in food and feed products "	Am PL 480 USDA
		( iii ) Studies on kwas-shiorker and marasmus children in Madurai and Tri-vandrum.	U.G.C.
(11)	Dr. S. K. Srivastava	( i ) Regulatory relationship between arginine and nucleic acid metabolism in plant tumour tissues ( ii ) Studies on polyamine metabolism during development, maturation and germination of seeds. ( iii ) Studies on polyamines and phytate in relation to their role in seed physiology.	U.G.C. U.G.C. U.G.C.
(12)	Prof. A. R. Mehta	Physiological and Bio-chemical Studies during Differentiation.	U.G.C.

Sr. No.	Name of the Teacher/s	Title	Name of the Financing Agencies
(13)	Prof. C. H. Pathak	Correlation between the photosynthetic efficiency of C <sub>3</sub> and C <sub>4</sub> plants under adverse conditions.	U.G.C.
(14)	Dr. J. S. Dave	Synthesis of low melting liquid crystals and their potential applications.	U.G.C.
(15)	Dr. R. H. Mehta	Synthesis of Mannich Bases from coumerin derivatives.	U.G.C.
(16)	Dr. N. V. Mani	Studies in Certain Medicinal plants	U.G.C.
(17)	Dr. R. N. Kapadia	Prolysis of co-ordination polymers	U.G.C.
(18)	Dr. H. S. Rama	Studies in Ion-exchange Resins.	U.G.C.
(19)	Dr. D. R. Gadekar	Geomorphic evolution of the lower Mahi river valley Gujarat with Special Reference to Quaternary Period.	U.G.C.
(20)	Prof. S. S. Merh	( i ) Geological investigation of the quaternary terrains of Gujarat with Special Reference to their Geomorphology and Geochronology. ( ii ) Geoenvironmental controls of industrial pollution around Baroda.	U.G.C. Department of Science and Technology, Govt. of India.
(21)	Prof. V. V. Modi	( i ) Biological Nitrogen Fixation ( ii ) Studies on Post harvest physiology of Mangoes	ICAR. Department of Science and Technology, Govt. of India.

Sr. No.	Name of the Teacher/s	Title	Name of the Financing Agencies
		(iii) Studies on Curotenosis by <i>B. tri-spora</i> .	Department of Science and Technology, Govt. of India
		(iv) Microbial degradation of Petrochemicals by <i>P. aeruginosa</i> .	I.P.C.I.
(22)	Dr. A. B. Darji	A study of the spectra of some diatomic molecules.	U.G.C.
(23)	Dr. G. R. Pandya	Electrical Properties of solids	U.G.C.
(24)	Department of Statistics	Population Research Centre	Govt. of India, Ministry of Health and Kutumb Kalyan Kendra, New Delhi.
(25)	Mr. M. M. Gandotra and Mr. Narayan Das	Inter-relationship of Infant and Child Mortality with Fertility	Ford Foundation, Rockefeller Foundation Project PRL 430
(26)	Miss D. M. Vyas	A histophysiological study of preputial gland and sebacecus.	I.C.M.R.
(27)	Shri Thomas Varughese	Histology, Histochemistry and Physiology of certain vertebrate tissue.	U.G.C.
(28)	Miss Charumitra D. Patel	Histo-physiology and Histochemistry of certain vertebrates.	U.G.C.
(29)	Shri N. D. Patel	Effect of pollution and some pesticides on the fresh water fishes of river Vishwamitri and some lakes.	U.G.C.
<b>Faculty of Technology and Engineering</b>			
(30)	Dr. G. C. Kothari	Power system Protection using micro-processors	Hindustan Brown Boveri, Baroda.
(31)	Prof. P. V. Parikh	Study of Chemical Grouts.	U.G.C.



Sr. No.	Name of the Teacher/s	Title	Name of the Financing Agencies
(32)	Dr. K. K. Rao	Regulatory Mechanism in ergot alkaloid biosynthesis.	U.G.C.
		<b>Faculty of Home Science</b>	
(33)	Dr. T. S. Saraswathi	Perceived maternal disciplinary practices and their relation to the development of moral judgement in children aged 10-15 years.	ICSSR.
(34)	Dr. (Mrs.) Veena Mistry and Mrs. Prerna Mohite	Development of Diagnostic and Prescriptive program activities for children with learning disabilities.	U.G.C.
		<b>Faculty of Commerce</b>	
(35)	Dr. K. R. Shah	"An Inquiry into Equity Issues Involved in the Govt. Financing of Higher Education in India—A study of M. S. University of Baroda."	ICSSR.
		<b>Faculty of Medicine</b>	
(36)	Dr. O. D. Gulati	Synthesis and Pharmacology of fusaric acid analogues.	C.S.I.R.
(37)	Dr. M. N. Hazra	(i) Short Term Sequale of Female sterilization. (ii) Follow up of Intra uterine device.	I.C.M.R. I.C.M.R.

## CHAPTER VII—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 Lectureships :

Sr. No.	Name of the Lecturer	Date/s	Subject/s
<b>Faculty of Arts</b>			
(1)	Prof. G. S. Bhalla	6-2-1979	(i) Political Economy of Development in India (ii) Labour Absorption in Indian Agriculture (iii) Regional Pattern of Agricultural Development
(2)	Prof. J. C. Sandesara	17-2-1979	Monopolies and Restrictive Trade-Practices Act in Action
(3)	Prof. S. B. Gupta	19-2-1979 and 20-2-1979	Monetary Planning in India
(4)	Prof. Charan Wadhva	7-3-1979	Indian's Export Policy
(5)	Prof. K. P. Karunakaran	18-12-1978 19-12-1978 20-12-1978	(i) "The Phenomenon of Nehru" (ii) "Nehru and Nation Building" (iii) "Nehru and India's Foreign Policy."
<b>Faculty of Science</b>			
(1)	Prof. B. M. Udgaonkar	27-1-1979	Some lessons from the story of spin in Quantum Mechanic
(2)	Prof. R. S. Krishnan	12-2-1979	Raman Scattering and Brillouin scattering
(3)	Prof. K. L. Mukherjee	12-3-1979 23-3-1979	Immunology (10 lectures)
(4)	Prof. C. G. Khatri	18-2-1978 to 20-12-1978	Multivariate Analysis

Sr. No.	Name of the Lecturer	Date/s	Subject/s
(5)	Prof. B. T. Dave	5-3-1979	Liver Function Tests
		6-3-1979	Hormones and Diseases of adrenal gland
		7-3-1979	Diabetes Mellitus Recent advances
		8-3-1979	Some diseases of kidney
		9-3-1979	Tuberculosis

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

(1)	Shri Abdul Halim Zafer Khan	3 months from 10-7-1978	Training the talented students in Sitar to acquire higher skill in playing Sitar
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**Faculty of Home Science**

(1)	Dr. T. V. Rao	16-3-1979	Organization Development in Education Institutions
(2)	Prof. T. P. Rama Rao	31-3-1979	Information system in Education Systems

**(B) Lectures under Extra Mural Grant or Other Schemes :**

**Faculty of Arts**

(1)	Prof. H. N. Pathak	24-1-1979	Industrial Policy for The Development of Backward Region
(2)	Shri M. S. Trivedi	30-1-1979	Reappraisal of Keynesian Economics
(3)	Prof. K. R. Dikshit	3-10-1978	Geomorphology of The West Coast of India
(4)	Dr. S. R. Bhatt	16-9-1978	"The Concept of Prama"
(5)	Dr. K. K. Khatau	14-10-1978	Elite and Empathy

**Faculty of Science**

(1)	Prof. P. N. Joshi	5-10-1978	Role of Vitamins in Embryogenesis
(2)	Prof. K. L. Mukherjee	23-3-1979	Studies on the development of human fetus
(3)	Prof. G. D. Shah	2-1-1979	"Cannabinoids, some Hashish Constituents"
(4)	Prof. S. M. Khopkar	6-3-1979	Solvent Extraction Techniques
(5)	Dr. K. R. Dikshit	3-10-1978	Geomorphology of the West Coast of India

Sr. No.	Name of the Lecturer	Date/s	Subject/s
(6)	Prof. S. B. Bhatia	6-10-1978	Trace Fossils
(7)	Professor M. Dutta	28-7-1978	Mathematics in relation to other Sciences
(8)	Dr. P. Dasgupta	27-2-1979	Evolution of Computer Languages
(9)	Dr. A. V. Gajjar	13-10-1978	Parametric Estimation undre Censoring
(10)	Dr. R. K. Malhotra	8-1-1979	The role of nuclei in normal and debervation muscle

**Faculty of Technology and Engineering**

(1)	Prof. Lewis Lubka	17-7-1978	(i) Housing and Planning in Europe (ii) Housing and Planning in U.S.A.
		18-7-1978	(i) Planning Laws and Procedures in Europe (ii) Planning Laws and Procedures in U.S.A.
(2)	Prof. P. Khanna	23-9-1978	(i) Bacteriological Test for drinking Water (ii) A modified Hazen Williams Formula for Water supply designs
(3)	Prof. G. B. Pant	5-1-1979	(i) 21 years of space Era (ii) Communication Satellites
(4)	Prof. Lawrence	22-2-1979 and 23-2-1979	Different aspects of Architecture

**Faculty of Home Science**

(1)	Shri Surti (Modern Tailors)	December : 13, 14, 15, 16, 18, 19, 1979	6 Lectures-cum-demonstrations on the current Men's Fashions in Coats and Jackets
(2)	Shri N. Srinivasan	1-1-1979 and 2-1-1979	(i) Experiences in application of quantitative methods in public systems (Health, Nutrition, Education, Transport etc.) (ii) Systematic Planning in Health and Nutrition Programmes
(3)	Shri T. J. B. Pareira	5-3-1979	(i) Place of Banks in promoting savings for family welfare (ii) Place of Banks in providing facilities of credit to families

Sr. No.	Name of the Lecturer	Date/s	Subject/s
(4)	Prof. B. K. Passi	5-3-1979	Should there be more professionalization or liberalization of Higher Education ?
(5)	Smt. R. Krishnaswamy	17-3-1979	Special Education and learning Disabilities in Young Children
<b>Faculty of Commerce</b>			
(1)	Dr. Om Prakash	9-10-1978	Profit and the Public Sector
(2)	Shri H. P. Gohel	20-2-1979	Some Aspects of Business Logistics
(3)	Shri A. D. Dixit	9-3-1979	Bankers Role in Rehabilitation of Sick Industrial Units
(4)	Prof. Sampat Singh	27-3-1979	New Philosophy and Techniques of Bank Lending to Industry
(5)	Prof. Y. K. Bhushan	24-3-1979	Bank Management in India—Some Issue of Relevance
<b>Faculty of Fine Arts</b>			
(1)	Mr. Mohad Gufran Kidwai	25-10-1978 26-10-1978	Fibre Glass Casting
(2)	Mr. John Irwin	22-12-1978	Pillar and Cross in the Cults of India and Europe
(3)	Mr. Rudy Van Leyden	9-1-1979 10-1-1979	(i) Traditional Indian Ganjeefa Painting (ii) Modern Indian Painting during 1940s and 1950s
(4)	Shri Bapurao Gandevikar	19-2-1979	Lecture-demonstration on Sanji-Ran-goli
<b>Faculty of Medicine</b>			
(1)	Prof. A. K. Niyogi	6-10-1978	Medical Education
(2)	Prof. N. C. Bhattacharya	7-10-1978	Eradication of Vector Born diseases of man in developing countries is still a distant goal
<b>(C) The Maharaja Sayajirao Memorial Lectures for the Year 1978-1979</b>			
(1)	Dr. B. N. Sinha, President, Medical Council of India, New Delhi	(i) 4-12-1978 (ii) 5-12-1978	Medical Education in India Delivery of Health Care and Its Modern Philosophy in our Country

**(D) Tagore Chair in Humanities—Lectures for the Year 1978-1979 :**  
Dr. Shivram Karanth of Karnataka delivered Lectures at Faculty of Arts/ Fine Arts and Music College from 23rd to 25th January, 1979.

## CHAPTER VIII—FACULTY OF ARTS

### 1. Courses of Studies

- (a) The Courses of Studies remained the same as in previous year.
- (b) A new Paper on Group Dynamics was introduced for T.Y.B.A. in the Department of Sociology.
- (c) A new Course on Interaction Process in Small Groups for M.A. Part II students was introduced in the Department of Sociology.
- (d) Field Visits related to special optional courses, were organized by the respective teachers.
- (e) New Experiments by teachers presenting parts of their on going research work in the Staff Seminars on Research Methodology for teachers and research students has begun this year.
- (f) Hindi Department introduced Language bearing courses continuously at First, Second and Third year degree levels.
- (g) The courses of "Prayogik Hindi" started during the year in the Department of Hindi.
- (h) The Department of History introduced group B 2 of Medieval History period at M.A. The Department also initiated a new M.A. course this year.

### 2. Number of Students

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

Class		Men	Women	Total
(1)	Certificate Course in German	38	13	51
(2)	Certificate Course in Russian	15	3	18
(3)	Certificate Course in French	38	9	47
<b>Total</b>		<b>91</b>	<b>25</b>	<b>116</b>
(4)	Diploma in Russian	1	1	2
(5)	Advance Course in Russian	—	—	—
(6)	Diploma in German	27	16	43
(7)	Advance Course in German	—	—	—
<b>Total</b>		<b>28</b>	<b>17</b>	<b>45</b>
(8)	F.Y.B.A.	410	324	734
(9)	S.Y.B.A.	281	232	513
(10)	T.Y.B.A.	531	317	848
(11)	Library Science	9	27	36
<b>Total</b>		<b>1231</b>	<b>900</b>	<b>2131</b>

Class		Men	Women	Total
(12)	M.A. Part I	124	104	228
(13)	M.A. Part II	116	67	183
Total		240	171	411
(14)	Ph.D.	18	12	30
Grand Total		1608	1125	2733

### 3. Staff

#### (a) Present Position :

During the year the staff consisted of 13 Professors, 18 Readers, 63 Lecturers, 7 Assistant Lecturers and 1 Honorary Lecturer, 19 Class III Staff including Technicians and 25 Class IV employees.

#### (b) New Appointments :

- (1) Dr. M. J. Oza, Lecturer in Gujarati
- (2) Shri M. J. Mehta, Reader in History
- (3) Shri Das Gupta, Lecturer in Russian
- (4) Shri Chandan Basu, Lecturer in French
- (5) Dr. R. S. Mishra, Lecturer in Hindi
- (6) Smt. K. M. Chaudhari, Lecturer in Marathi
- (7) Shri Suryaprasad, Lecturer in Sociology
- (8) Dr. G. D. Sharma, Reader in History
- (9) Dr. K. S. Methew, Lecturer in History
- (10) Dr. (Mrs.) Indira Saxena, Lecturer in History
- (11) Shri Ravindra Srivatsava, Lecturer in History
- (12) S. t. Gita Bajpai, Lecturer in History

#### (c) Teachers appointed to higher position :

- (1) Dr. S. R. Hashim, Professor of Economics
- (2) Dr. V. K. Chavda, Professor of History
- (3) Dr. D. S. Shukla, Reader in Hindi
- (4) Shri B. N. Shah, Reader in English

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

- (1) Shri B. S. Kamble, Lecturer in English—Resigned
- (2) Dr. K. N. Reddy, Reader in Economics—Resigned

#### (e) Teachers who Retired :

- (1) Prof. M. B. Desai, Department of Agricultural Economics
- (2) Prof. R. M. Patel ("Anami"), Department of Gujarati
- (3) Shri V. R. Joshi, Lecturer in Pali

### 4 Professional Growth of the Staff

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

Name	Title	Name of the Journal, where in published with month of publication.
<b>Economics</b>		
(1) Professor V. N. Kothari	Employment Dualism and Education Policies in India	<i>Manpower Journal</i> Vol. XIV No. 2 July-September, 1978.
<b>English</b>		
(2) Professor Birje Patil	J. (i) Forster Seminar, Osmania University, Hyderabad (ii) Indian Book Chronicle	(i) <i>The Last Section of A Passage to India</i> January, 1979. (ii) Theme of INITIATION In American Fiction, February, 1979.
(3) Professor R. N. Mehta	Review Article Twentieth Century American Criticism ed. RAJNATH	<i>Indian Journal of American Studies</i> July, 1978.
<b>Hindi</b>		
(4) Dr. M. G. Gupta	(1) प्राचीन साहित्य और अनुसंधान (2) भक्ति काल की युगीन पीठिका का पुनर्मुल्यांकन (3) भारत की सांस्कृतिक धारा (4) राजस्थान की संक्रान्ति युगीन कृति गजसिंह प्रबन्ध	Research paper contributed to the Book entitled हिन्दी अनुसंधान का स्वरूप published by National Publishing House, Delhi. संमेलन पत्रिका Col. 63, No. 1 मंगलदीप भारतीय संस्कृति-विशेषांक सुधाविन्दु Vol. 18, Special No. 2.

Name	Title	Name of the Journal, wherein published with month of publication
(5) Dr. D. S. Shukla	आधुनिक कथा साहित्य में जिन्दगी के बदलते मूल्य	वीणा February, 1979.
(6) Shri P. K. Desai	रामकथा का अपूर्व चरित्र उमिला	मंगलदीप, बम्बई, 1978.
(7) Dr. (Kum.) Bafna P. R.	वर्तमान शिक्षा व्यवस्था कुछ चिन्तन रीतिकाल का भक्तिग्रन्थ-भक्त भावन	Journal of the M. S. University of Baroda, Humanities Number, 1978.

## Linguistics

(8) Shri D. D. Mahulkar	Linguistics Today	Bhasha Vimarsha, July, 1978.
(9) Smt. B. V. Modi	(i) The Concept of Phoneme (ii) Sapir and Bloomfield (iii) 20 years after Bloomfield	Bhasha Vimarsha, April, 1978. Bhasha Vimarsha, July, 1978 Bhasha Vimarsha, October, 1978 and January, 1979.

## Philosophy

(10) Professor A. G. Javadekar	(1) "Asending Scale of the Advaita Vedanta" (2) "The Gita's Approach to Ahinisa" Pathway to God	Diamond Jubilee Volume, July, 1978. Annals of the Bhandarkar Oriental Research Institute, Poona.
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## Political Science

(11) Professor A. P. Rana	(i) "Foreign Policy and National Capability" A Note on the Paradigmatic Dilemma of Contemporary Nonalignment (ii) "Nonalignment and World Peace" in K. Kamalanathan, Ed., Nonalignment	Journal of the Maharaja Sayajirao University of Baroda (Social Sciences) Vol. XXI-2-XXVI (2) 1976-77 (Special Issue on "Social Sciences and Society in India The Issue of Relevance") Tirupati: Centre for Studies in Peace and Non Violence, 1978.
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Name	Title	Name of the Journal, wherein published with month of publication.
(12) Dr. Thomas Pantham	(i) "Review of Society and Change": Essays In Honour of Sachin Chaudhuri, ed. by K. S. Krishnaswamy (Oxford University Press)	The Indian Journal of Political Science Vol. XXXIX (3), July-September, 1978: pp. 467-473.

## Sanskrit

(13) Dr. S. G. Kantawala	(1) Foreward to Professor R. K. Patel's a Sanskrit Poems (2) ऋग्वेद कालीन धर्म (3) ऋग्वेद कालीन संस्कृति (4) बहार्ह धर्मः (5) Review: of "Vedic Concept of Field and Divine Fructification" by S. A. Dange (6) Review of "Dr. Sarvapalli Radhakrishnan commemoration Volume. (Sharadapeeth Pradipa: Vol. XV-2 and XVI-1, August, 1975 February, 1976) Dwarka (7) Review of "Cultural History from the Kurmapurana" by G. K. Pai	Published by R. K. Patel, Navsari. संस्कृत निबंध मंजुषा, संपा-गौतम पटेल अमदावाद. सुरभारती - १९७८ JOI Vol. XXVII, Nos. 3-4 March-June, 1978. Journal of the Gujarat Reserch Society, Vol. 40 No. 4/148 October, 1978. JOI Vol. XVIII-1 September, 1978.
(14) Dr. (Miss) S. A. Nachane	(1) Rangugurubina Koi na Tere (Gujarati) (2) श्रद्धानी पांथे (3) नारेश्वर के संत श्री रंगावधूत (मराठी)	नारेश्वरने नाह सप्टेंबर-७८ नारेश्वरने नाह ऑक्टोबर ७८ Special magazine, published by बृहन्महाराष्ट्र परिषद-मार्च-१९७९.

Name	Title	Name of the Journal, wherein published with month of publication
(15) Shri S. M. Dave	(1) श्रद्धापीठ	नारेश्वरने नाह-अप्रिल-७८
	(2) श्रीहत्तपुराणुं संविधान	" मे-७८
	(3) वासुदेवानंद सरस्वती स्वामी भडाराज	" जुलाई-७८
	(4) श्रीहत्तप्रातः स्मरणम चिंतन	" सप्टेम्बर-७८
	(5) श्री गुरुचरित्रः द्विसाड्दशो ना अंतिम श्लोकः	" नवम्बर-७८
	(6) श्री गुरुचरित्र	" दिसम्बर-७८
(16) Smt. S. S. Deshpande	(1) Rangapanchakam	" " " "
	(2) गीर्वाण भारती (काव्यम्)	सुरभारती
	(3) भडान संतश्री कावरीयाया	नारेश्वरने नाह
(17) Shri J. A. Jani	(1) चक्रपंडित (a short Sanskrit play)	"Samvid" August, 1978.
	(2) आत्मा वै पुत्र नामारित	Abhinava Surabharati Kanpur.
	(3) लघुकाव्य विकार	"Samvid" November, 1978.
	(4) संस्कृत साहित्यना अंकांशु रूपको.	"संस्कृत निबन्ध मंजूषा" सं.पा. डॉ. गौतम पटेल, अमहावाह
<b>Sociology</b>		
(18) Dr. K. C. Panchnadikar & Dr. Mrs. J. Panchnadikar	"Political Inputs for Development: Elective and Bureaucratic"	Journal of M. S. University of Baroda, Social Science No. Vol. XXV-XXVI, No. 2.
(19) Shri P. J. Patel	"India in search of an Image: Social Change in Modernizing India —A Review Article"	Journal of M. S. University of Baroda, Social Science No. Vols. XXV and XXVI, No. 2.
<b>History</b>		
(20) Shri M. J. Mehta	Book Review of "The Marwaris, from Trad ers to Industrialists"	Vikalpa, Vol. 3, No. 4, Oct. 1978
<b>Archaeology and Ancient History</b>		
(21) Prof. R. N. Mehta	(i) Itihasni Bhartiya parampara and Sadhna na Panchang	Vidyapith 1978-May-June.

Name	Title	Name of the Journal wherein published with month of publication
	(ii) Pre-historic remains from Nathkuwa Dist. Panchmahals	Arch. Studies Vol. 3, Mysore unit-1978.
	(iii) Chandravati-Abuna Parmaroni Rajdhani	Gujrat Dipotsavi 1978.
	(iv) Bhoini vat no Shila lekha	Swadhyaya No. 2 1979. February
	(v) Itihasne lokpriya banavava na upayo	Pathik 1979-January.
(22) Prof. K. T. M. Hegde	(i) Sources of Ancient Tin in India	The Search for Ancient Tin (eds) T. Wartime & J. Olin. Smithsonian Institution, Washington-DC-1978.
	(ii) Analysis of Ancient Indian deluxe wares	Archaeologia Physica (ed) 1 scoller Rheinisches Landes museum, Bonn-1979.
	(iii) Technical Studies in Archaeological Research	Yojana Vol- XXIII/3 Feb. 1979.
	(iv) Some important Ancient Indian Materials and their industries	Heritage of India (eds) 4-Thakur and Y. K. Misra Magadh University, Bodh-Gaya 1979.
(23) Dr. V. S. Parikh	(i) A remarkable Sadasiva murti from Dhamatvan	Journal of the Oriental Institute Baroda Vol-XXVIII issue No. 1 Sept 1978.
	(ii) Dakshinamurti Siva (Gujrati)	Swadhyaya Vol-XVI issue no. 1 October, 1978.
(24) Shri V. H. Prof. R. N. Mehta	Pre-historic remains from Sonawane and Nathkuwa Taluka Halol, Dist. Panchmahals	Archaeological studies-Mysore Vol-III, 1978.
(25) Shri V. N. Sonawane	Ardhanarishwar eka matra upashyamurti (Gujrati)	Swadhyaya Baroda Vol-III Book-XV 1978.

## (b) Published books :

Name of the Authors	Titles of the Book	Name of the publisher month of publication
<b>Agricultural Economics</b>		
(1) M. B. Desai and S. K. Verma	Changing farm production organization in Developing Agriculture—A case study of developmental effort in agriculture in a district in Gujarat State	M. S. University Publication, 1978.
<b>Sanskrit</b>		
(2) Dr. S. G. Kantawala and Shri S. M. Dave	Veda Purana—Saurabha	M. S. University, April, 1979.
<b>Sociology</b>		
(3) Mr. P. J. Patel	“Industrial Sociology in India” (with N. R. Sheth)	Rawat Publications, Jaipur, 1979 pp. vii and 134.
<b>Persian</b>		
(4) Dr. M. H. Siddiqui	(i) Siyar-ul-Arifin Az Shaikh Jamali (ii) The memoirs of sufis	Yagma, Tehran (Iran). M. S. University under U. G. C. Scheme February, 1979.
<b>Linguistics</b>		
(5) Shri D. D. Mahulkar	Pathways in Linguistics	M. S. University, January, 1979.
<b>Archaeology and Ancient History</b>		
(6) Dr. R. N. Mehta	(i) Pre-Historic Chapaner (ii) M. S. University copper plates of the time of Toramana. (iii) Megaliths at Machad of Pazhauannus.	M. S. Uni. Arch. S. No. 13 —do— No. 14 —do— No. 15

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

Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the paper presented
<b>Economics</b>		
(1) Professor S. R. Hashim	All-India Seminar on Design of Backward Areas, A. N. Sinha Institute, Patna. January 17 and 18, 1979	“Input and output Structure of Small Scale Industries”
<b>Geography</b>		
(2) Dr. C. M. Gupta	Department of Geography, L. D. Arts College, Ahmedabad from 26th March 1979 to 28th March, 1979.	“Geography—A view point”.
(3) Shri R. S. Gollerkeri	—do—	“The changing concept of Environment”
<b>Hindi</b>		
(4) Dr. M. G. Gupta	(i) S. P. University, Vallabh Vidyanagar on 22nd February, 1979. All India Sur Seminar (ii) University of Bombay All India Seminar on Surdas on 30-3-1979 (iii) All India Seminar organised by Gujarat University, Ahmedabad on Surdas on 31-3-79	भक्ति-आन्दोलन और सुरदास सुरदासके काव्य मे समसामयिक संदर्भ हमारी सांस्कृतिक विरासत और सुर का काव्य
<b>Linguistics</b>		
(5) Shri D. D. Mahulkar	Seminar on Grammer, On Grammer Hyderabad, January, 1979	
(6) Smt. V. B. Modi	(i) Dohad College, October, 1978 (ii) Rajkot College, March, 1979	Modern Trends in Literary Criticism Linguistics Today

Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the Paper presented
<b>Political Science</b>		
(7) Dr. A. P. Rana	(i) National Seminar on "India's Foreign Policy-Continuity and Change" sponsored by the School of International Students, Jawaharlal Nehru University, New Delhi, May 13-16, 1978	"Foreign Policy and National Capability"
	(ii) All India Seminar on "Foreign Policy perspectives. USA and India" sponsored by the United States Educational Foundation in India, Bangalore Jun 26-28, 1979	"India's Foreign Policy: The Frustrated Search for a Global Perspective"
	(iii) All India Item-writing Conference of the National Talent Search Unit, NCERT, Bhopal, October 3-7, 1978	—
	(iv) International Inter-Disciplinary Seminar on "American Studies in Cross-Cultural Perspective", sponsored by the American Studies Research Centre, Hyderabad, January 12-15, 1979.	—
	(v) UGC Seminar on "Indian Foreign Policy. New Challenges and	"A Reappraisal of contemporary Nonalignment

Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the Papers presented
	Opportunities" sponsored by the Department of Political Science, Guru Nanak Dev University, Amritsar, March 1-10, 1979.	
(8) Dr. Thomas Pantham	All-India Political Science Conference, Patiala. December 28-30, 1978.	"Political Culture' Political Structure and Under Development in India".
<b>Sanskrit</b>		
(9) Dr. S. G. Kantawala	All-India Oriental Conference 29th Session, Poona, 1-3 June, 1978	Pani-sirmalegend-a Study in Vedic Puranic Correlates.
(10) Dr. Miss S. A. Nachane	-do-	Interpretation of Bhagavat-gita 4-33.
(11) Shri S. M. Dave	ગુજરાત રાજ્ય સંસ્કૃત અધ્યાપક મંડળ પરિસંવાદ નારેશ્વર ૩૦-૧૨-૭૮ થી ૧-૧-૭૯	શ્રી દત્તપુરાણ.
(12) Smt. S. S. Deshpande	(i) All India Oriental Conference, Poona	Beauty in Kalidasa.
	(ii) ગુજરાત રાજ્ય સંસ્કૃત અધ્યાપક મંડળ-પરિસંવાદ નારેશ્વર. ૩૦-૧૨-૭૮ થી ૧-૧-૭૯	અવધૂતજીવું તત્વચિંતન.
<b>Sociology</b>		
(13) Miss Bharati S. Desai	14th All India Sociological Conference, Jabalpur University, December 28-31, 1978.	Migration and Mobility in a South Gujarat Village with sp. ref. to Dhed, a landless agricultural caste.
<b>English</b>		
(14) Shri B. N. Shah	USIS Seminar, Bombay September, 1978	"Theodore Roethke and the Whitman Tradition"
(15) Shri O. P. Joneja	USIS Seminar on Roots in March, 1978.	"The Past in Black American and African Fiction"

Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the Papers presented
<b>Archaeology and Ancient History</b>		
(16) Prof. K. T. M Hegde	National Seminar on Evidence of a Recently Quaternary Environments formed oxbow lake in the Vadodara, 8.10 Feb. 1979.	Tapi Estuary at Malvan.
<b>History</b>		
(17) Professor S. C. Misra	The Indo-French Seminar, Delhi University, December 16-18, 1978	"Transition from Feudalism to Capitalism".
(18) Professor V. K. Chavda	18th I. I. H. S. Conference at Dibrugarh, October 1978	"Durgaram Mehtaji and his Manav Dharm Sabha, (1844)".
(19) Shri M. J. Mehta and Shri Dwijendra Tripathi	(i) Indian History Congress, Hyderabad, December 28-30, 1978 (ii) Seminar on the Evolution and growth of Social Structure in Western India, with Special reference to Rajasthan (17th to 19th (centuries) Jaipur, October 8-20, 1978	"The Nagarsheth of Ahmedabad," The History of an Urban Institution in Gujarat-City. "Colonialism and Modernisation". The case of early British Intervention in a Traditional Indian Institution.
(d) Talks given at different Universities:		

Name of the Teacher	University/Institution	Subject of the Lecture
<b>Economics</b>		
(1) Professor V. N. Kothari	Nagpur University	(a) Investment in Human Capital. (b) Disguised Unemployment.
(2) Professor S. R. Hashim	Indian Institute of Public Administration, New Delhi	Cost-Benefit Analysis, Industrialization and Employment Strategy

Name of the Teacher	University/Institution	Subject of the Lecture
<b>English</b>		
(3) Professor J. Birje-Patil	(i) Poona University (ii) International Communication Agency, Bombay (iii) All India English Teachers' Conference, Jaipur (iv) Gujarat University, Ahmedabad	Macbeth, September, 1978. (a) The Poetry of Robert Lowell, October, 1978; (b) Sylvia Plath and the Confessional Poets, October, 1978. Shakespeare's Treatment of Time, December, 1978. Shakespeare's Hamlet February, 1979.
(4) Professor R. N. Mehta	(i) Navjivan Arts and Commerce College, Dohad, COHSIP Programme (ii) Department of English Sardar Patel University, Vallabh Vidyanagar under U.G.C. Lectures Scheme	'The Poetry of Pope' January 27, 1979. (a) 'Pope's 'The Rape of the Lock' (b) 'T. S. Eliot's Literary Criticism' 'F. R. Leavis on Shelley March 21, 1979.
(5) Dr. C. K. Sesadri	(i) Navjivan Arts and Commerce College, Dohad, 8th September, 1978 (ii) March, 1979	"New Approches by Learning English" Talk under COHSIP. Was a 'resource person' at a Workshop on "Functional Approach to English Language Testing"
<b>Hindi</b>		
(6) Dr. M. G. Gupta	(i) University Co-ship Lectures under the auspices of Gujarat	आधुनिक कथा-साहित्य में बदलते जीवन-मूल्य

Name of the Teacher	University/Institution	Subject of Lecture
	University. At Gujarat College, Ahmedabad	
	5th October, 1978	
(ii)	Gujarat University College Teacher's Workshop organised by L.D. Arts College Ahmedabad, 6th October, 1978.	आधुनिक हिन्दी काव्य-धारा
(iii)	Faculty Improvement Programme, University of Gujarat Centre L. D. Arts College, Ahmedabad 25-3-1978	हिन्दी साहित्यके इतिहास के अध्ययन-अध्यापन की समस्याएँ
(iv)	Vikram University Extension Lectures 19-3-1978.	साहित्येतिहास का मूल्यांकन
<b>Philosophy</b>		
(7) Professor A. G. Javdekar	(i) S. P. College, Poona University	Professor S. V. Dandekar Memorial Lecture in Marathi : मानव स्वभावतः सञ्जन की इर्जन 9th July, 1978.
	(ii) Gujarat University, Ahmedabad	Two lectures in the UGC Scheme of Exchange of Professors "The Moral Nature of Man" 21st and 22nd February, 1979.
<b>Political Science</b>		
(8) Professor A. P. Rana	Panjab University, Chandigarh	"Indian Foreign Policy : Dilemmas and Opportunities" March 7, 1979.
<b>Sanskrit</b>		
(9) Dr. S. G. Kantawala	(i) बल्लभ रसिकमण्डणी नदीआद	"Shrikrishnashraya grantha of Shri Vallabhacharya"
	(ii) श्री माताजी जन्म शताब्दि निमित्ते संस्कृत संमेलन, अरावली सोसायटी विश्व-विद्यालय-वडोदरा	आजना संदर्भमां संस्कृतुं स्थान

Name of the Teacher	University/Institution	Subject of the Lecture
	(iii) मोडासा आर्ट्स कॉलेज मोडासा	वैदिक अने प्रशिष्ट संस्कृत तुलनात्मक अध्ययन
	(Co. ship programme scheme)	
	(iv) M.T.B. Arts College, Surat	भाषाशास्त्रना अध्ययनमां संस्कृतुं मडुत्व.
	(v) SNTD Women's University, Bombay	Matsya Purana.
<b>Sociology</b>		
(10) Professor K. C. Panchanadikar	Regional College of Educational Training and Research, Bhopal.	"Communication Studies and their Significance".
(11) Miss Bharati S. Desai	Department of Education University of Indore, INDORE	"Educational achievement and Sociocultural determinants in Village India".
<b>Gujarati</b>		
(12) Prof. S. H. Joshi	Open University Forum, Rajkot	Three lectures on Painting, Dance and Linguistics & Literature (28th, 29th and 30th March, 1979).
(13) Dr. S. M. Dave	S.N.D.T. College, Baroda	Talk on "भांध गहरिया" by Prof. C. C. Mehta
<b>Archaeology and Ancient History</b>		
(14) Prof. R. N. Mehta	(i) S.N.D.T. College Gujarat Vidyapith	On culture (two lectures on Archaeology (Four Lectures)
	(ii) M.T.B. College, Surat	Two Lectures
	(iii) Sagar University	Two Lectures
(15) Prof. K.T.M. Hegde	(i) School of Archaeology — Archaeological Survey of	(1) An introduction to Environmental Archaeology

Name of the Teacher	University/Institution	Subject of the Lecture
	India, New Delhi (Four lectures on 20, 21, 22, 23 November, 1978)	(2) Palaeo Environ- ment as inferred from Alluvial Stratigraphy.
		(3) Palaeo Environ- ments as inferred from Aeolian Strati- graphy.
		(4) Thermolumines- cent method of Dating the past.
(ii) University of Gwalior (Two Lec- tures on 1st, 2nd March, 1979)		(1) Our Heritage of ceramic Technology.
		(2) Our Heritage of Metal Technology.

(e) Participation in Inservice Programme :

Name of the Teacher	Programme, Place and Date/s	Capacity in which participant
<b>Economics</b>		
(1) Prof. V. N. Kothari	(i) National Seminar on Employment Expan- sion in Indian Agri- culture, Bangalore 26- 28 February, 1979	Participant
	(ii) Meeting with Econi- mists on Sixth F.Y. Plan Planning Com- mission 17 and 18 December, 1978.	"
(2) Prof. S. R. Hashim	Expert Group Meet- ing on 'Railways in Indian Economy' organised by Rail Tariff Enquiry Com- mittee, New Delhi 22nd February, 1979.	Member of the Expert Group

Name of the Teacher	Programme, Place and Date/s	Capacity in which participant
<b>Political Science</b>		
(3) Prof. A. P. Rana	(i) "Interdisciplinary lecture Series" CASE, M. S. University, 17th February, 1979. Lecture on "Latest Trends in Relation to Life and Education"	Lecturer
	(ii) All-India Political Science Association's 38th Conference, Bangalore, December 28-30, 1978.	Member, Association's Executive Committee and University Representative.
<b>Sanskrit</b>		
(4) Dr. S. G. Kantawala	(i) Orientation Courses for H.S.C. Class XI Sanskrit Teachers, M.S.U. 10-5-78 to 21-5-78.	Convenor
	(ii) Seminar on Grammer and Linguistics, De- partment of Linguis- tics, Faculty of Arts	Chief Initiator,
(5) Dr. (Miss) S. A. Nachane	Orientation Courses for H.S.C. Class XI Sanskrit Teachers, M.S.U. 10-5-78 to 21-5-78.	Resource Personnel
(6) Shri S. M. Dave	—do—	—do—
(7) Smt. S. S. Despande	(i) —do—	—do—
	(ii) All-India Radio, Baroda, Talk cum Dialogue on Kali- dasa and a Play All India Radio-Baroda —A sanskrit play	Director and Participant.
(8) Shri J. A. Jani		
<b>English</b>		
(9) O. P. Joneja	(i) Interdisciplinary Se- minar in May-June, 1978 at the ASRC, Hyderabad,	Participant

Name of the Teacher Programme, Place and Date/s Capacity in which participant

	(ii) USIS Seminar Sept. 1978 at Bombay.	Participant
(10) Shri A. P. Pepalla	USIS Seminar on American Poetry, September, 1978 at Bombay.	--do--
(11) Dr. (Mrs.) R. V. Vanikar	(i) A Paper on "World Literature Written in English" 1978 Texas	Participant.
	(ii) A Seminar on Contemporary American Poetry at the American Cultural Centre, Bombay, September, 1978.	Participant.
<b>History</b>		
(12) Miss U. R. Patel	Completed the Gujarati translation of "Foundation of Muslim rule in India" by A.B.M. Habibullah.	Translator.
<b>Achaeology and Ancient History</b>		
(13) Prof. R. N. Mehta	Training of officers Dept. of Archaeology, Govt. of Gujarat in the Dept	Training Personnel.
Prof. K. T. M. Hegde	6 1-79 to 12-1-79	
Dr. S N Chowdhari		
Dr (M s.)		
D. R. Shah		

#### 5 Special Activities

(1) Shakespeare Society, Department of English, presented Dr. J. Birje Patil's dramatization of T. S. Eliot's *The Waste Land* and *Old Possum's Book of Practical Cats*, and Ionesco's play *The Lesson* in August 1978. The show was also presented at Premabhai Hall, Ahmedabad, in September, and in Surat in November. This annual programme in February included these as also Tennessee Williams's *A Street Car Named Desire* and Ionesco's *The Bald Soprano*.

(2) The IFCL Centre for Studies in Industrial Development was started out of the Donations made by the IFCL towards the Silver Jubilee Funds of the University.

(3) In the Geography Department three teachers contributed for improvement in teaching at the school level due to new pattern of Education (i.e. 10 + 2 + 3) and two teachers for training I.A.S. Personnel for I.A.S. Examination 1978.

(4) A Small Group Laboratory was established in the Sociology Department under 5th Plan Period UGC Grant for Research and Testing.

(5) Prof. M. B. Desai of Agricultural Economics acted as a member of (i) Gujarat Land Commission, Government of Gujarat and (ii) National Committee on Science and Technology, Government of India.

(6) Professor A. P. Rana of Political Science was appointed as a Director of Associated Centre for Gujarat, National Talent Search Scheme SCERT.

(7) Under Indo-French Cultural Exchange Programme, three French Scholars visited the Faculty on 10th and 11th January, 1979.

#### 6 U.G.C. Special Assistance Programme of Department of History

The assistance given to the Department of History to uplift its teaching and research work is a recognition of the work done by the Department over a number of years.

Under the programme, the Department would get additional staff of a Professor, two Readers and four lecturers. It would also have a non-teaching technical and administrative complement. In addition, it would have four Junior Research Fellows, Four Teaching Fellows, Four National Scholarships and a number of foreign and Indian Visiting Fellows. The Department would have a building of its own, a non-recurring block grant for Library, equipment and a vehicle; it is also provided with matching recurring grants providing for books and journals, research and field grant, seminars and contingencies.

The institution of this programme would allow a Centre of national importance to be developed in Gujarat, a Centre which would be able to explore efficiently, the rich history, culture and heritage of Gujarat.

The Department would diversify both its graduate and post-graduate teaching, taking up several specialisations like Medieval Indian History, European History, Asian History and American History. In particular, the emphasis would be on social, economic and intellectual history. The focus of the work will be on Gujarat. Western India as a whole, Rajasthan, Gujarat and Maharashtra would be examined in perspective, both in teaching and research.

The main thrust of research will be on the economy of the agrarian people, generally from 15th century onwards, on urban history, on social history, on trade and nature of trade both internal and foreign, from 15th century onwards, the processes of change, of transition, of renaissance in the 19th century; critical editions and translations of significant medieval and modern works of history and economic and social history in several languages, Gujarati, Persian, Arabic, French, Dutch and Portuguese.

The University Grants Commission has provided 100% Non-Recurring and Recurring grant upto the close of the Sixth Plan i.e. till March 31, 1984. This total investment is expected to be in the neighbourhood of about Rupees thirty to thirty five lakhs. It is expected that the recurring expenses of the Centre on that date would be about Rupees three lakhs. This the Government of Gujarat has assured, it will take over on that date.

The construction work of the building of the Department of History commenced on January 22nd 1979 and the Chairman, U.G.C. laid the Corner Stone of this building on 27th April 1979.

The Centre has now begun work and will take shape in a few months.

#### 7. Visitors

Name and Designation	Dates of Visit
(1) Prof. S. B. Gupta of Delhi School of Economics	19-2-1979 and 20-2-1979
(2) Prof. G. S. Bhalla of JNU, New Delhi	5-2-1979 and 6-2-1979
(3) Prof. J. C. Sandesara of Bombay University	17-2-1979
(4) Prof. B. V. Mehta of South Gujarat University	10-3-1979 to 11-3-1979
(5) Prof. Charan Wadwa of IIM Ahmedabad	7-3-1979
(6) Prof. P. Venkatramaiah of Gokhale Institute, Poona	7-2-1979 to 10-2-1979
(7) Prof. H. N. Pathak of Indian Institute of Management	24-1-1979
(8) Shri N. S. Trivedi of Sardar Patel Institute, Ahmedabad	30-1-1979
(9) Prof. S. P. Chatterjee	8-7-1978
(10) Prof. O. P. Bharadwaj	8-7-1978
(11) Dr. Ramesh Kuntal Megh, Prof. of Hindi Guru Nanak Deo University, Amritsar	28-12-1978
(12) Dr. Kenneth L. Deutsch, Associate Professor of Political Science, State University of New York and Visiting Fulbright Professor, Department of Political Science, MSU	February 10—March 15, 1979

Name and Designation	Dates of Visit
(13) Dr. U. P. Shah, Ex. Dy. Director, Oriental Institute of Baroda	29-12-1978
(14) Prof. S. B. Varnekar, Head, Department of Sanskrit, Nagpur University	4-1-1979
(15) Prof. James Silverberg, Prof. of Anthropology at Chicago University, U.S.A.	4-1-1979
(16) Prof. Joan Griffiths, B.B.C. Education Section Officer, London	17-4-1979
(17) Shri Krishna Nandar Shahai—Retired Principal—Deogadh College	3-4-1978
(18) Shri N. M. Barot—Minister for Law, Urban development & Town Planning.	8-7-1978
(19) Dr. C. R. Sareen—Architect NAI	10-8-1978
(20) Dr. P. C. Chunder—Union Minister of Education, Social Welfare and Culture	16-12-1978
(21) Dr. Yasar—Darwin, N. T. Australia	27-12-1978
(22) Dr. Aymard Maurice—University of Paris	11-1-1979
(23) Dr. Walteg H. Hanger—American Embassy, New Delhi	22-1-1979
(24) Dr. Mahammad Sirajue Islam—Deccan University, Bangladesh	17-2-1979
(25) Prof. Grewal, Amritsar	7, 8 and 9 February, 1979
(26) Mrs. Govind Kelkar, Bombay	15 and 16 February, 1979
(27) Dr. Umashanker Joshi, Ahmedabad	25 and 26 March, 1979.

#### 8. Preparatory Units—Arts and Commerce

The Staff of the Preparatory Arts and Commerce Classes consisted of one Teacher Supervisor, 2 Class III and 2 Class IV employees. The teaching work was shared by the teachers from the Faculty of Arts, Commerce and the Department of General Education. The number of Students enrolled in these units was as under:

Preparatory Arts		Preparatory Commerce	
Boys	308	Boys	76
Girls	82	Girls	12
Total	390	Total	88

CHAPTER IX—FACULTY OF SCIENCE

1. Courses of Studies

- (a) The courses of studies remained the same as in the previous year.
- (b) Continuous internal evaluation for the M.Sc. classes is being practised and comprehensive evaluation tests have been introduced on experimental basis.
- (c) The syllabus of the M.Sc. (Previous) has been revised. Acturial Statistics, Mathematical economics, Multivariate Analysis and Sample surveys are now offered as Optional subjects at the M.Sc. (Previous) increasing the students potential for employment.
- (d) An Additional facility by way of a new optional subject " Fisheries Science " has been introduced at Senior M.Sc. level with a view to offer a course in Applied Zoology.

2. Number of Students

The number of men and women students on roll in the various classes in the year 1978-79 was as under:

Class	Boys	Girls	Total
(1) Diploma in Laboratory Techniques :			
1 year	10	—	10
2 year	7	2	9
Total	17	2	19
(2) F.Y.B.Sc.	593	185	778
(3) S.Y.B.Sc.	341	171	512
(4) T.Y.B.Sc.	222	137	359
Total	1156	493	1649
(5) M.Sc. ( Previous )	121	59	180
(6) M.Sc. ( Final )	113	61	174
(7) M.Sc. ( Applied Geology )	14	—	14
Total	248	120	368
(8) Ph.D.	48	13	61
Total	48	13	61
Grand Total	1469	628	2097

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.) M. Mathai      Research Associate/Lecturer in Bio-chemistry
- (2) Dr. Ram Lakhan          Reader in Chemistry
- (3) Dr. J. R. Patadia        Lecturer in Mathematics
- (4) Shri H. B. Mehta         Lecturer in Microbiology
- (5) Dr. A. K. Shah            Lecturer in Microbiology
- (6) Dr. V. N. Potbhare       Reader in Physics
- (7) Dr. (Smt.) Jayshree De   Lecturer in Geography

( c ) Teachers who left the University:

- (1) Dr. Suresh S. Sail      Lecturer in Biochemistry      Appointed as Reader in Sardar Patel University, Vallabh Vidyanagar.
- (2) Dr. R. M. Naik         Reader in Zoology                Appointed as Professor of Zoology at Rajkot, Saurashtra University.
- (3) Dr. Y. G. Gaekwad     Lecturer in Chemistry         Expired.
- (4) Shri P. S. Bhagwanani   Lecturer in Botany             Retired.
- (5) Dr. A. K. Mattoo        Lecturer in Microbiology       Resigned.
- (6) Dr. A. N. Kachhi        Lecturer in Microbiology       Resigned.
- (7) Dr. K. P. Lulla         Lecturer in Botany             Left.

( d ) Shri Ravishankar T. Dave, Driver in the Department of Geology, expired on 25-5-1978 and Shri Kayasth V. B., Laboratory Assistant in the Department of Bio-chemistry, expired on 19-12-1978.

4. Professional Growth of the Staff

( a ) Published Articles/Papers:

Name	Title	Name of the Journal wherein published with month of publication
<i>Bio-Chemistry</i>		
(1) J. R. Dave	Effects of variation in the severity and duration of neonatal under-nutrition on bone composition	Baroda J. Nutr., 5 (1978).

Name	Title	Name of the Journal wherein published with month of publication
(2) B. I. Naik and S. K. Srivastava	Effect of polyamines on tissue permeability	Phytochemistry, 17, 1885 (1978).
(3) R. Rajalakshmi and C. V. Ramakrishnan	A review on "Studies on carotene and vitamin A with regard to nutritional status utilisation and requirements	World Rev. Nutr. Dist., Vol. 31, Page 162-167, (1978).
<i>Botany</i>		
(4) A. R. Mehta	Growth of free cells on agar plates. Experiments with free cells of <i>Linum</i> and <i>Parthenocissus</i> (crown-gall)	In: Environ. Phys. and Ecol. of Plants 165-172, 1978, Ed. D. N. Sen.
(5) A. R. Mehta and Shailaja Rao	Effect of nitrogen sources on accumulation of phenolic compounds and activity of related enzymes in <i>Arachis hypogaea</i> L. Callus cultures	Abst. IVth Intl. Congr. of Plant Tissue and Cell. Cul. Calgary, Canada, 1978.
(6) R. R. Shah and Mehta A. R.	Development of enzyme activities related to phenolic compounds in <i>Crotalaria Juncea</i> L. seedling	Ind. J. Exp. Biol. 36 (1) 112-114. (1978).
(7) R. R. Shah and Mehta A. R.	Effect of nitrogen nutrition on growth and phenolic accumulation in <i>Crotalaria</i> tissues cultured in vitro	Ind. J. Exp. Biol. 16: 1144-1147 (1978).
(8) R. R. Shah and A. R. Mehta	Growth and Phenolic production in callus cultures of <i>Crotalaria</i>	Curr. Sc. 47 (3), 47 (3), 91-92 (1978).
(9) R. R. Shah and A. R. Mehta	Influence of phenolic compounds in <i>Crotalaria</i> callus cultures	Bangladesh J. of Bot. 7 (1): 51-57 (1978).
(10) R. R. Shah and A. R. Mehta	Degradation of phenylalanine and tyrosine and accumulation of phenolic compounds in <i>Crotalaria</i> callus cultures	Abst. IVth Intl. Congr. of Plant Tissue and Cul., Calgary, Canada. (1978).
(11) R. R. Shah, and K. V. Subbaiah, and A. R. Mehta	Carbohydrate influence of polyphenol accumulation in <i>Cassia</i> and <i>Datura</i> tissues cultured in vitro	Biol. Plant (Praha): 20 (1), 5-13, (1978).

Name	Title	Name of the Journal wherein published with month of publication
(12) S. D. Sabnis and M. Daniel	"Chemical Plant Taxonomy"	Encyclopedia of Bot. Guj. Univ., Publ., 1978.
(13) M. Daniel and S. D. Sabnis	Chromatographic profiles in the classification and identification of the Cyperaceae	J. M. S. Univ. Baroda, 25+26, 3: 19-16, 1978.
(14) M. Daniel, S. D. Sabnis and N. V. Mani	Estimation of tannins in some of the forest resources of Gujarat	Ind. J. of Forestry, 1 (3), 223-225, 1978,
(15) M. Daniel and S. D. Sabnis	Chemotaxonomical studies on Apocynaceae	Ind. J. Exp. Biol 16 (4): 512, 1978.
(16) R. J. Patolia and K. N. Trivedi	A new one step synthesis of Xanthenes	Chemistry and Industry, 235 (1978).
(17) M. Daniel, S. D. Sabnis and N. V. Mani	Estimation of Tannins in some of the Forest Resources of Gujarat	Indian J. of Forestry, Vol. 1, No. 3, p. 223 (1978).
(18) Mrs. K. P. Sanghavi and K. N. Trivedi	Studies in the synthesis of Furochromones Part IV	J. Indian Chem. Soc., 55, 468 (1978).
(19) D. O. Shah and K. N. Trivedi	Studies in the Synthesis of Anti-cancer Agents: Part IV. Nitrogen Mustards of 9-Phenanthroyl Chlorides	J. Indian Chem. Soc., 55, 1079 (1978)
(20) J. S. Dave, N. R. Patel and A. P. Prajapati	Mesomorphic Behaviour of some Schiff Base Erters p (p'-n-Akoxybenzoyloxy) benzylidene-p"—Phenetidine	Current Science, 47, 425 (1978).
(21) Y. G. Gaekwad and Suresh Sethna	Studies in Xanthenes. Part I. Synthesis of Iodo and Cyano Xanthenes and Bixanthone	J. Indian Chem. Soc., 55, 794 (1978).
(22) J. H. Pardanani and Suresh Sethna	Synthesis of some Naphthopyrones from 2, 7-Dihydroxy naphthalene	J. Indian Chem. Soc., 55, 806 (1978).
(23) Prof. S. S. Merh, Toran Sharma and N. M. Vashi	The terraced conglomerates of Pokhara Valley in Central Nepal	Proceedings of Symposium on Morphology and Evolution of land forms, Delhi Uni., pp. 226-240.

- | Name                                                     | Title                                                                                                                   | Name of the Journal<br>wherein published with<br>month of publication                                                          |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| (24) Prof. S. S. Merh,<br>M. P. Patel and<br>S. J. Desai | Polymetamorphites of Balaram-<br>Abu Road area, North Gujarat<br>and South-West Rajasthan                               | Jour. Geol. Soc.,<br>India, Vol. 9, pp.<br>383-394.                                                                            |
| (25) Prof. S. S. Merh,                                   | The Age and Correlation of the<br>Granitic rocks of Gujarat                                                             | Rec. Res. Geology,<br>Vol. 7, pp. 178-182.                                                                                     |
| (26) Shri S. D. Desai<br>and J. M. Shirke                | Geological investigations of the<br>fireclay deposits of Saurashtra,<br>Gujarat State.                                  | Proceeding of the<br>seminar on "Raw<br>materials for Glass,<br>Ceramic and Refrac-<br>tory Industries"<br>Shilong, pp. 57-61. |
| (27) Shri S. D. Desai<br>and M. C. Trivedi               | Engineering resources of the area<br>around Than Surendranagar dist.<br>Gujarat State.                                  | Navnirman, Jour.<br>Eng. Res. Inst.<br>Baroda Vol. XIX<br>No. 1, pp. 55-60.                                                    |
| (28) Shri S. D. Desai<br>and P. K. Patel                 | Determination of mineral formulae<br>and their relationship of ions to<br>crystal structure of bentonics from<br>Kutch. | Jour. Geol. Soc.<br>Ind. Vol. 19 No. 6,<br>pp. 267-269.                                                                        |
| (29) Shri S. D. Desai<br>and S. R. Nayak                 | Bauxite as a refractory material                                                                                        | Jour. M. S. U.<br>Baroda, Science<br>number, Vol. XXV<br>and XXVI No. 3.                                                       |
| (30) Shri S. D. Desai<br>and P. K. Patel                 | Bentonite deposits or Kutch                                                                                             | Museum Bulletin,<br>Department of<br>Museums, Gujarat<br>State, Vol. XXVI,<br>pp. 114-119                                      |
| (31) Dr. M. K.<br>Murthy and<br>R. V. Karanth            | A note on the occurrence of dip-<br>ping rhyolite lava flow near Rajula,<br>Saurashtra.                                 | Bull. Ind. Geol.<br>Assoc. Vol. 11,<br>No. 2, Dec. 1978<br>pp. 199-204.                                                        |
| (32) Dr. D. R.<br>Gadekar                                | Sedimentary structures in Tertiary<br>rocks of South Gujarat and their<br>environmental significance.                   | Jour. Geol. Soc.<br>Ind. Bangalore, 16.<br>p. 554-557.                                                                         |

- | Name                                                              | Title                                                                                                                                                                 | Name of the Journal<br>wherein published with<br>month of publication                                              |
|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| (33) Dr. D. R.<br>Gadekar                                         | Particle size determination of<br>Tertiary rocks from South Gujarat<br>and their significance in the recon-<br>struction of depositional environ-<br>ment.            | Bull. Ind. Geol.<br>Assoc. Chandigarh,<br>10(2). p. 45-46.                                                         |
| (34) Dr. D. R.<br>Gadekar                                         | Some aspects of stratigraphic and<br>sedimentologic investigation of<br>Neogene oligomict conglomerates<br>near Jahgadia, Dist. Broach,<br>Gujarat and their genesis. | Nat. Geog. Jour.<br>Varanas. 24(3 g-4)<br>p. 163-168.                                                              |
| (35) Dr N. M. Vashi<br>and Dr. S. S.<br>Merh                      | The terraced conglomerates of<br>Pokhara Valley in Nepal.                                                                                                             | Proceedings of sym-<br>posium on morpho-<br>logy and evolution<br>of landforms Delhi<br>University pp. 226<br>240. |
| (36) Dr. S. J.<br>Desai, M. P.<br>Patel and Dr. S.<br>S. Merh     | Polymetamorphites of Balaram-<br>Abu Road area North Gujarat<br>and South West Rajasthan.                                                                             | Jour. Geol. Soc.<br>India Vol. 9, pp.<br>383-394.                                                                  |
| (37) Dr. O. K. Shah<br>and S. S. Merh                             | Structural Geology and Strati-<br>graphy of Bhimtal Bhowali area<br>in kumaon Himalaya-A Reinter-<br>pretation.                                                       | Jour. Geol. Soc.<br>India Vol. 19,<br>No. 3 pp. 91-105.                                                            |
| (38) Dr. M. P. Patel,<br>S. J. Desai and<br>S. S. Merh            | Polymetamorphites of Balaram-<br>Abu Road area North Gujarat<br>and South-West, Rajasthan                                                                             | Jour. Geol. Soc.<br>India Vol. 9, pp.<br>383-394.                                                                  |
| (39) Dr. A. N. Shah,<br>and P. P. Patel                           | Granitic gneisses Landsdowne<br>Dist. Pauri Garhwal, U.P.                                                                                                             | Jour. Geol. Soc.<br>India Vol. 19, No. 8.                                                                          |
| (40) Dr. A. N. Shah,<br><br>Ravindrakumar<br>and D. K.<br>Bingham | Positive evidence of a Pre-Cam-<br>brian<br>tectonic phase in Central Nepal<br>Himalaya.                                                                              | Jour. Geol. Soc.<br>India Vol. 19, No.<br>11 pp. 519-522.                                                          |
| (41) Dr. R. V.<br>Karanth and M.<br>K. Murthy                     | A note on the occurrence of dip-<br>ping rhyolite lava flow near<br>Rajula, Saurashtra,                                                                               | Bull. Ind. Geol.<br>Assoc. Vol. 11,<br>No. 2, pp. 199-204.                                                         |

Name	Title	Name of the Journal wherein published with month of publication
<i>Mathematics</i>		
(42) Dr. S. R. Agrawal	On the order of the coefficients and convergence of a Fourier Bessel series of a differentiable Function.	Indian Journal of Pure and Applied Mathematics. 7 (1976), 924-932
(43) Dr. J. R. Patadia	On the absolute convergence of lacunary Fourier series.	Journal of Mathematical Analysis and Applications (U.S.A.) 68(1978) pp. 291-398.
(44) Dr. J. R. Patadia	On the absolute convergence of lacunary Fourier series.	Proceedings of the American Mathematical Society, 71 (1978) pp. 19-25.
<i>Microbiology :</i>		
(45) Dandekar A. M. and Mody V. V.	Interaction between R. japonicum phage M1 and its receptor	Can. J. Microbiol. 24, 685, (1978)
(46) Dandekar A. M. Vasavada H. A. and Modi V. V.	Partial purification of a competence factor from R. japonicum	Arch. Microbiol. 118, 253 (1978)
(47) Majmudar G. A., Abhaya M. Dandekar and Autar K. Mattoo	Phosphate mediated Control of Polyphosphatase in N. Crassa	Neurospora News letter 25, (1978)
(48) A. S. Wali, A. K. Mattoo and V. V. Modi	Stimulation of growth and glucose catabolite enzymes by succinate in some thermophilic fungi	Arch. Microbiol. 118, 49 (1978)
(49) Satya Rao and V. V. Modi	Regulation of Carotenogenesis in <i>B. Trispora</i>	Wld. Rev. Nutr. Diet. Vol. 31, 149 (1978)
<i>Physics :</i>		
(50) Philip Mathew and M. M. Patel	Fine structure analysis of A-XI and B-XI systems of PbF molecules	Ind. J. Phys. 523 22-224, 1978
(51) Philip Mathew and M. M. Patel	Fine structure in C <sub>1</sub> -X and C <sub>2</sub> -X systems of BiF molecules	Curr. Sci. 47, 332-334, 1978

Name	Title	Name of the Journal wherein published with month of publication
(52) K. J. Chakoo and M. M. Patel	Fine structure of B-X system of SbO molecule	Curr. Sci. 47, 2, 758-759, 1978
(53) M. P. Maru and H. S. Desai	Capture of slow electron and Rotational Excitation of polar molecules	Ind. J. Phys. 16, 705, 1978
(54) H. S. Desai and V. M. Chhaya	Variational approach to the rotational excitation of a non-polar molecule by slow electron	Ind. J. Tho. Phys. 26, 157, 1978
(55) S. R. Pandya and H. S. Desai	Estimation of the binding energy of electron in an electric dipole field (E and E)	Mat. Science Report, 191, 1978
(56) V. P. Bhatt and S. B. Trivedi	Growth and cleavage of alloy crystals	J. Cryst. Growth, 44, 262, 1978
(57) V. P. Bhatt and S. B. Trivedi	Growth of hollow Se-Te whisker crystals	Kristall and Technik Dec. 1978
(58) V. P. Bhatt and C. F. Desai	Growth and Etching of In-Bi single crystals	Ind. J. of Phys. Nov. 1978
(59) G. R. Pandya and D. D. Vyas	Growth of Pure and doped TGS crystals	Current Science 20, 749, 1978
(60) V. Potbhare	Shape of spectrum with ensemble of 2 body random Hamiltonian	Pramana 11, 205, 1978
(61) V. Potbhare and V. K. Kota	Eigen value density for ensemble of 2 body random Hamiltonian with men zero Matrix element	Pramana 11, 209, 1978
<i>Statistics :</i>		
(62) Dr. M. Sreehari (jointly with Dr. D. N. Shanthag)	An extension of Goldie's Result and further results in Infinite divisibility	Z. Wahrscheinlichkeitstheorie. 47, 19-25 (1979)
(63) Dr. D. K. Shah and Dr. A. G. Phatak	Graphical Procedure for the Easy Execution of Double Three Class Attributes Sampling Plans : Uncurtailed as well as curtailed	The Quality and Reliability Journal Vol. 5, 111-115, Sept. 78, No. 3
(64) Dr. A. G. Phatak	Difference between BCR of size and BCR of Significance Level from a Teaching Stand point	Gujarat Statistical Review. Vol. V. No. 2, P. 57-62, October, 1978

Name	Title	Name of the Journal wherein published with month of publication
(65) Shri M. M. Gandotra and Shri Narayan Das	Evaluation of Rural Health Service Scheme in Gujarat—A Case Study	An Evaluation Report prepared for the Ministry of Health and Family Welfare, Govt. of India, July, 1978.
<i>Zoology</i>		
(66) Menon G. K., Jani M. B. and Shah R. V.	Feather papillae in the incubation patches of House sparrows	Condor 80: 1 pp. 101, 1978.
(67) Shah R. V., Patel S. T. and Pilo B.	Glucose-6-phosphate dehydrogenase and malic enzyme activities during adaptive hyperlipogenesis in migratory starling (Sturnus roseus) and white wagtails (Hotacillaalba)	Can. J. Zool. 56, pp. 2088, 1978.
(68) Ambadkar P. M. and Kotak V. G.	Histochemical observations on 3x- and 17B hydroxysteroid dehydrogenase in extra gonadal tissues of feral blue rock pigeon Columba livia(G).	Ind. J. Exp. Biol. 16: pp. 298-301, 1978.
(69) Pilo, B. and Patel P. V.	Influence of insulin and acetylcholine on transport of glucose and glycogen deposition in liver slices of pigeon and rat.	Ind. J. Exp. Biol. 16; pp. 929-932, 1978.
(70) Nene, R. V.	Uniformity in cholinesterase distribution in M. Branchialis of different birds.	Acta Physiol. Acad Scien. Hung. 52:1 pp. 59-61, 1978.
(71) Pilo B. and Patel P. V.	Neuroendocrine control of uptake and metabolism of glucose in Avian liver.	PAVO 16:1 and 2, pp. 162-178, 1978.
(72) Desai A. K.	Histological studies of the liver of migratory fish, Hilsa ilisha and non-migratory Hilsa toli.	J. Anim. Morphol. Physiol. 25:1 and 2, 1978.
(73) Desai A. K.	Distribution of cholinesterase in the liver and stomach of the	J. Anim. Morphol. Physiol. 25:1 and

Name	Title	Name of the Journal wherein published with month of publication
	migratory fish, Hilsa, ilisha and non-migratory Hilsa toli.	and 2, 1978.
(74) Kinariwala R. V., Shah R. V. and Ramchandran A. V.	I. Tail regeneration and lipid metabolism: Changes in the content of total hepatic lipids, glycerides and total blood lipids in the scincoid lizards Mabuya carinata.	J. Anim. Morphol. Physiol. 25: 1 and 2, 1978.
(75) Ramchandran, A. V., Kinariwala R. V. and Shah R. V.	II. Tail wound healing and lipid metabolism: changes in the content of total hepatic lipids, glycerides and total blood lipids in the agamid lizard, Calotes versicolor.	J. Anim. Morphol. Physiol. 25:1 and 2, 1978
(76) Patel P. V. and Pilo B.	Effect of glucose infection on the activities of glycogen synthetase, glucose-6-phosphate dehydrogenase, malic enzyme and lactate dehydrogenase in the liver of pigeon.	J. Anim. Morphol. 25:1 and 2, 1978.
(77) Asnani M. V., Khathuria P. D., Kishnani K. T., Pilo B. and Shah R. V.	Wound healing and repair in the skin of alloxan diabetic rats, 4. Quantitative studies of glcogen and histochemical studies on the enzymes, glucose-6-phosphate dehydrogenase and aldolase in the healing wounds of diabetic and non-diabetic and rat skin.	J. Anim. Morphol. Physiol. 25:1 and 2, 1978.
(78) Shah R. V., Kishnani K. T., Kathuria P. D., Ashnani M. V. and Pilo B.	Wound healing and repair in the liver of alloxan diabetic rat, 4. Histo-chemical studies on nucleic acids during wound healing.	J. Anim. Morphol. Physiol. 25: 1 and 2, 1978.
(79) Pilo B., Kishnani K. T., Kathuria P. D., Asnani M. V. and Shah R. V.	Wound healing and repair in the liver of alloxan diabetic rats. 5. Study of glycogen and histochemical study of enzymes such as glucose-6 phosphate dehydrogenase, lactate dehydrogenase and aldolase.	J. Anim. Morphol. Physiol. 25: 1 and 2, 1978.

Name	Title	Name of the Journal wherein published with month of publication
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- (80) Shah R. V., Kothari B. S. and Hiradhar P. K. Changes in certain splenic hydrolases during tail regeneration in the gekkonid lizard *Hemidactylus flaviviridis*. Current Science, 48: 6 pp. 240-241, 1979.

(b) Published Books and Brochures :

Sr. No.	Name of the Author/s	Name of the Book	Name of the Publishers
(1)	Prof. C. H. Pathak and Prof. A. R. Mehta	Initiation of flowering in plants (in Gujarati)	Gujarat University Ahmedabad.

(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)	Prof. C. H. Pathak	Convener of the Committee on Science and its Social Relations-Ind. Sci. Congress, 66th Session, Hyderabad, 5-6 Jan. 1979.	"Harnessing Science and Technology to the task of uplifting rural economy".
(2)	G. A. Ravishankar and A. R. Mehta	Convener of the Committee on Science and its Social Relations Ind. Sci. Congress, 66th Session, Hyderabad 5-6 Jan. 1979.	"Urea induced nicotine biogenesis in callus cultures of <i>N. tabacum</i> L."
(3)	Prof. A. R. Mehta	All India Symp. on "Advancing Frontiers in Plant Sciences", at Banaras Hindu Univ., Dec., 1978.	"Synthesis of Natural products by Plant Tissue and Cell cultures.
(4)	I. Mohammadi, K. A. Bhagwat and C. H. Pathak	ICSA 66th Session, 1979 Abst. No. 298.	Performance of C3 and C4 plants under saline conditions and as affected by gibberellic acid.
(5)	U. T. Acharya, K. A. Bhagwat and C. H. Pathak	ISCA 66th Session, 1979 Abst. No. 254.	Effect of gibberellic acid and cycocel on the germination of rice varieties under saline conditions.

Sr. No.	Name of the Teacher	Name Place and Dates of Conference/Seminar	Title of the Paper presented
(6)	S. N. Patil and S. D. Sabnis	U.G.C. Seminar on "Ecogeography Dept., Andhra University, Waltair, Jan., 8-10, 1979.	"Urban Ecosystem with special reference to changing flora of Baroda."
(7)	K. S. S. Rao and S. D. Sabnis	Symposium on "Floristic studies in Peninsular India", organised by Bot. Surv. of India, Southern Circle, Coimbatore, 28th Nov. to 1st Dec. 1978.	"The Flora of Kutch-Floristic and phytochemistry".
(8)	Daniel M. and S. D. Sabnis	14th Tanner's Get together Organised by Central Leather Research Institute, Madras, Feb. 1-4-1979.	"Substitute tannin sources and their probable role on tribal economy".
(9)	V. Thomas and A. R. Mehta	66th Ind. Sci. Congress, Hyderabad, 5-6, Jan. 1979.	"Studies on the physiology of fruit ripening: Patterns of Sugar accumulation on carot fruits".
(10)	P. H. Bhatt, S. K. Rawal and A. R. Mehta	All India Symposium, 3rd Conference—Plant Tissue culture, held at Baroda, Feb. 7-11, 1978.	Interactions of Phytohormones on the control of growth, morphogenesis and development of peroxidase and IAA oxidase in cells and tissues of Ipomoea and tobacco, grown invitro.
(11)	Rawal S. K. and P. H. Bhatt and A. R. Mehta	All India Symposium, 3rd Conference-Plant Tissue Culture, held at Baroda, Feb. 7-11, 1978.	Peroxidase, IAA oxidase and peroxidase isoenzymes during root differentiation in tissue cultures of Ipomoea and tobacco.
(12)	P. B. Kishore, D. N. Thaker and A. R. Mehta	All India Symposium, 3rd Conference-Plant Tissue Culture, held at Baroda, Feb. 7-11, 1978.	Induced growth and morphogenesis in tissue cultures of Tamarix dioice Roxb.

Sr. No.	Name of the Teacher	Name Place and Date of Conference/Seminar	Title of the Paper presented
(13)	Ravi Shankar, and A. R. Mehta	All India Symposium, 3rd Conference-Plant Tissue Culture, held at Baroda, Feb. 7-11, 1978.	Phytoecdysone production by tissue culture of <i>Trianthema</i> .
(14)	Shailaja Rao and A. R. Mehta	All India Symposium, 3rd Conference-Plant Tissue Culture, held at Baroda, Feb. 7-11, 1978.	Tyrosine acconia-lyase in tissue cultures of <i>Ara-chis hypogaea</i> L.
(15)	R. R. Shah and A. R. Mehta	All India Symposium, 3rd Conference, Plant Tissue Culture held at Baroda, Feb. 7-11 1978.	Growth and production of phenolic compounds in cultured tissues influenced by various nitrogen sources.
(16)	K. V. Subbaiah and A. R. Mehta	All India Symposium, 3rd Conference-Plant Tissue Culture, held at Baroda, Feb., 7-11, 1978.	Hormonal effect on growth and polyphenol production in <i>Datura</i> cell suspension cultures grown in vitro.
(17)	M. K. Kshirsagar and A. R. Mehta	All India Symposium, 3rd Conference, Plant Tissue Culture held at Baroda, Feb., 7-11, 1978.	Experimental Regulation of differentiation in sporophytic callus of a fern.
(18)	Dr. R. Rajalakshmi.	(1) Participated in 4th all Gujarat Conference of pathologists and microbiologists at Surat in October, 1978. (2) Participated in the workshop on planning diet for health held at Women's Christian College, Madras in January, 1979. (3) Symposium on Diabetes organised near Madurai on February 4, 1979.	Protein Calorie Malnutrition.
(19)	Dr. S. D. Telang	Participated in COHSIP Seminar on "Highlights of Recent Trends in Life Sciences", Ahmedabad, 22-25 February, 1979.	Nutrition and the nervous system.

Sr. No.	Name of the Teacher	Name Place and Dates of Conference/Seminar	Title of the paper presented
(20)	Dr. C. M. Gupta	Department of Geography, L. D. Arts College, Ahmedabad from 26th March, 1979 to 28th March, 1979.	"Geography A—View point.
(21)	Shri R. S. Gollerkeri	Department of Geography, L. D. Arts College, Ahmedabad from 26th March, 1979 to 28th March, 1979.	"The changing concept of Environment".
(22)	Dr. P. K. Bhattacharya	Symposium on Metal Organic and Organo metallic compounds, Jaipur, October 1978.	Synthesis of some new unsymmetrical tetradentate Schiff bases through metal complexes.
(23)	Dr. P. V. Bhattacharye	Annual Contention of Chemists, Walter December, 1978	Macrocyclic complexes of oxocations.
(24)	Prof. V. M. Shah	44th Conference of the Indian Mathematical Society held at Hyderabad during 24, 25, 26 December, 1978.	Absolute convergence of Lacunary Fourier series.
(25)	H. B. Mehta and V. V. Modi	19th AMI conference, Baroda 9th to 11th November, 1978.	Some properties of GTP cyclohydrolase from flavinogenic <i>E. ashbyii</i> .
(26)	H. B. Mehta, V. V. Modi and Shilpa Malik	19th AMI conference, Baroda 9th to 11th November, 1978.	Fermentative production of riboflavin by <i>E. ashbyii</i> .
(27)	K. A. Patel and P. J. Dave	19th AMI conference Baroda, 9th to 11th November, 1978.	Studies on Kappa phase inactivating chromoprotein from <i>serratia marcescens</i> Hy strain.
(28)	Leena Vyas and K. K. Rao	19th AMI conference, Baroda 9th to 11th November, 1978.	Purification and fractionation of cellulase complex from <i>Fusarium</i> sp.
(29)	Satya, Dandekar, M. S. Govind, Gagan A. Pandya and V. V. Modi	19th AMI conference, Baroda 9th to 11th November, 1978	CAMP in hormone controlled functions in <i>Blakeslea trispora</i> .

Sr. No.	Name of the Teacher	Name Place and Date of the Conference/Seminar	Title of the paper presented
(30)	Bina Mehta, Satya Dandekar and V. V. Modi	19th AMI conference, Baroda 9th to 11th November, 1978.	Possible mechanism of Penicillin on carotenogenesis in <i>Blakeslea trispora</i> ."
(31)	J. N. Dholakia Nikunj Mehta and H. S. Chhatpar.	19th AMI conference, Baroda 9th to 11th November, 1978.	Microbial biodeterioration of Poster Colors."
(32)	N. N. Rao, M. S. Patole, S. Kapila and V. V. Modi	19th AMI conference, Baroda 9th to 11th November, 1978.	Some biochemical aspects of a psychotropic of <i>P. acuginosa</i> .
(33)	N. N. Rao, A. K. Mattoo and S. R. Shah	19th AMI conference, Baroda 9th to 11th November, 1978.	Comparative studies on the fermentative production of nucleotides by wild type <i>N. crassa</i> and its adenine.
(34)	A. K. Mattoo, N. N. Rao and V. Narayan	19th AMI conference, Baroda 9th to 11th November, 1978.	Studies on the production of nucleotides by <i>N. crassa</i> suitability of using hydrolysates from plant sources
(35)	A. K. Mattoo, A. M. Dandekar Meera Verma, N. M. Joshi and S. K. Kirtane	19th AMI conference, Baroda 9th to 11th November, 1978.	Responses of some enzymes to phosphate levels during different phases of growth of <i>N. crassa</i> .
(36)	A. K. Mattoo, A. S. Wali, S. B. Pattni and J. R. Rao	19th AMI conference, Baroda 9th to 11th November, 1978.	Evidence for a heat labile protein regulating the activity of FDP aldolase in <i>N. crassa</i> .
(37)	A. S. Wali, A. K. Mattoo, Puranam Ram Sharma, C. V. Smart and V. V. Modi.	19th AMI conference, Baroda 9th to 11th November, 1978.	Purification and comparative properties of OC amylases from thermophilic <i>H. lanuginosa</i> and <i>Mucor pucillus</i> .

Sr. No.	Name of the Teacher	Name Place and Date of the Conference/Seminar	Title of the paper presented
(38)	A. R. Gupta and K. K. Rao	19th AMI conference, Baroda 9th to 11th November, 1978.	Effect of ergotamine on ergot alkaloids formation in <i>A. fumigatus</i> .
(39)	J. K. Buch and P. J. Dave	47th conference of Society of Biological Chemists, Oct. 3-5-1978.	Studies on mechanism of detoxification of aflatoxine by treatment with plastics and ammonia.
(40)	H. S. Desai and S. R. Pandya	Matscience, Mysore, August, 1978.	Calculations of the binding energy of an electric dipole field.
(41)	V. P. Bhatt, Meera D. Trivedi S. B. Trivedi C. F. Desai	Tenth National Conference electron in Crystallography held at Varanasi 21, 23, Feb. 1979.	Growth of Tellurium Whisker Crystals from the vapour phase
(42)	A. B. Darji and N. R. Shah	National Seminar in molecular spectroscopy and lasers, Varanasi, Jan., 1979.	New bands of NiCl molecule in red region
(43)	Dr. M. Shreehari	National Seminar on probability and Statistical Inference Sponsored by UGC at Pune, March, 12-14, 1979.	Some characterisations of the bivariate geometric distribution (jointly with Dr. A. G. Pathak)
(44)	Dr. D. K. Shah	National Seminar on probability and Statistical Inference Sponsored by UGC at Pune, March, 12-14, 1979.	Bounds for the Variance at MVUE of the Fraction Defective under Curtailed Single Sampling Plans (Jointly with Dr. A. G. Pathak).
(45)	Dr. H. C. Patel	National Seminar on Probability and Statistical Inference Sponsored by UGC at Pune, March, 1979.	Admissibility of Murthy's and Midzuno's estimator for the population total.
(46)	Dr. M. Shreehari	UGC workshop on Role of Microbiology in Teaching of Life Science, M. S. University, Baroda, Nov. 6-8-1978.	A course content of Statistics at under graduates level for bioscience students.

Sr. No.	Name of the Teacher	Name Place and Date of the Conference/Seminar	Title of the paper presented
(47)	Dr. M. Shreehari	Work shop on Block Level Planning at I.I.E., Ahmedabad, Nov. 23-24, 1978.	—
(48)	Dr. M. Shreehari	Seminar on ICL 2950 Computer and Application National Dairy Development Board, Anand 18-1-1979	—
(49)	Shri Narayan Das	Fourth Annual Conference of Child in India, Organised by Indian Association for the study of Population, New Delhi, March, 22-24, 1979.	The Influence of Development and public Health Programme on the village level Infant Mortality : An Initial Look at some Empirical Data and Measurement Problems.
(50)	Dr. M. M. Gandotra and Mr. Narayan Das	Secondary Date users Conference for the 1931 Census, organised by the Registrar General of India, Delhi, December, 21-23, 1978.	—
(51)	Prof. R. V. Shah, Thomas Varghese and Dr. P. K. Hiradhar	All India Symposium on Biology-Jaipur University, Rajasthan. From 29th Dec. 1978 to 1st January, 1979.	Free amino acids during tail regeneration in the Gokkonid Lizard, <i>Hemidactylus flavivirides</i> .
(52)	Miss Smriti Iyengar and Dr. Bonny Pilo	All iIndia Symposium on Biology-Jaipur University Rajasthan. From 29th Dec. 1978 to 1st January, 1979.	Some Metabolic effects of glucose load in different areas of the Avian Brain.
(53)	Prof. R. V. Shah, Dr. S. T. Patel and Miss C. D. Patel	All India Symposium on Biology-Jaipur University, Rajasthan. From 29th Dec. 1978, to 1st January, 1979.	Effects of Glucose, Insuline and Alsopine administration of Blood glucose Levels, phosphohydrolase and phosphotransferase activities of glucose-6-phosphatase in liver and kidney of Pigeon.

Sr. No.	Name of the Teacher	Name Place and Date of the Conference/Seminar	Title of the paper presented
(54)	Prof. R. V. Shah	All India Symposium on comparative Animal Physiology and endocrinology, Shri Venkateshwar University, Tirupati, 23-12-78 to 25-12-1978.	Invited to plenary session of the Symposium. He also presided over the valedictory function of the symposium.
(55)	Prof. S. S. Merh, Y. K. Agrawal, M. P. Patel, S. G. Patel and S. J. Desai	Spectrophotometric determination of Molybdenum traces in rocks	Participated in the symposium on Chemical analysis of Geogical materials Techniques, Applications and Interpretation at Geological Survey of India, Calcutta.
(56)	Prof. S. S. Merh, B. N. Upreti and D. M. Shringarpure	Stromacolithies from the Kali Gandaki Valley section, CentralWest Nepal: Their age, correlation and palaeo-environmental Interpretations	Participated in the workshop on Stromatolites organised by the Geological Survey of India at Udaipur
(57)	Shri S. D. Desai and N. D. Desai	Engineering properties and uses of Deccan Trap in Gujarat.	Annual Number. Inst. Engineers. Pune.
(58)	Dr. N. M. Vashi, Toran Sharma and B. N. Upreti	Kali Gandaki Gravel deposits of Central West Nepal their Neotectonic significance.	Tectonophysics special volume.
(59)	Dr. S. J. Desai, Y. K. Agrawal, M. P. Patel, S. G. Patel and S. S. Merh	Spectrophotometric determination of molybdenum traces in rock.	Participated in the Symposium on 'Chemical analysis of Geological materials Techniques, Applications and interpretation at G.S.I. Calcutta.
(60)	Dr. G. T. Malpathak	Intriguing problems of Groundwater in Padra Taluka, Vadodara district Gujarat.	Participated in the 1st Nat. Sem. quaternary Environments, M. S. University, Baroda.
(61)	Shri D. M. Shringarpure and Geeta Desai	Indians rotational movement during Jurragic Cretaceous and its coincidence with the	Participated in the Seminar on Problems in Mesozoic and Lower

Sr. No.	Name of the Teacher	Name Place and Date of the Conference/Seminar	Title of the paper presented
		deltaic progradation Shere-line regression, Lateral shifting of river channels of the W. Kutch.	Tertiar Palaeontology, Sedimentation and Palaeo environment held at Lucknow University.
(62)	Shri D. M. Shringarpure and S. R. Nayak	Kutch Bauxite: Evidence from the exotic gibbsitised fossils for synsedimentary deposition near, Naredi, India	Participated in the Sedimentary Geology, Amsterdam.
(63)	Shri D. M. Shringarpure and B. N. Upreti and S. S. Merh	Stromatolites from the Kali Gandaki Valley section, Central West Nepal. Their age correlation and Palaeoenvironmental interpretation	Participated in the workshop on stromatolite, organised by G.S.I. at Udaipur.
(64)	Shri D. M. Shringarpure and S. R. Nayak	Fossil Gibbsite Role of Palaeoenvironments in transforming skeletal coleite of some fragmentary fossil forms found associated with the Naredi bauxite in Kutch	Participated in the VII Indian Colloquium on Micropalaeontology and stratigraphy. University of Madras.
(65)	Dr. M. P. Patel, Y. K. Agrawal, S. J. Desai, S. G. Patel and S. S. Merh	Spectrophotometric determination of Molybdenum traces in rocks	Participated in the Symposium on Chemical analysis of Geological materials Techniques, Applications and Interpretation at G.S.I. Calcutta.
(66)	Dr. S. G. Patel, Y. K. Agrawal, M. P. Patel, S. J. Desai and S. S. Merh	Spectrophotometric determination of Molybdenum traces in rocks	Participated in the Symposium on Chemical Analysis of Geological materials Techniques, Applications and Interpretation, G.S.I. Calcutta.
(67)	Shah R. V., Kothari, J. S. and Hiradhar P. K.	Histomorphological changes in the spleen during tail regeneration in the gekkonid lizard, Hemidactylus flaviviridis	J. Amin. Morphol. Physiol.

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

Name of the Teacher	University/Institution	Subject of the lecture
(1) Dr. R. Rajalakshmi	1. Stanley Medical College, Madras, (Jan. 13) 2. St. Josphe's College, Trichinoppalli (Jan. 16) 3. Medical College, Trivandrum (Jan. 27) (Jan. 30), 1979	Studies on pregnancy and lactation. Pattern, prevalence and prevention of malnutrition in rural areas. (i) Studies on severely malnourished children. (ii) Studies on pregnancy and lactation
	4. K. G. Hospital, Coimbatore (Feb. 7,) 1979	Nutrition and brain function.
	5. P.G. Arts and Science College Coimbatore (Feb. 5),	Pattern, prevalence and nutrition in rural areas
	6. Avinashilingam Home Science College, Coimbatore (Feb. 7, 1979)	Studies on pregnancy and lactation
	7. Medical College, Madurai (Feb. 4, 1979)	Series of lectures on all above topics
(2) Prof. A. R. Mehta	Udaipur, 16th March, 1979 Udaipur, 16th March, 1979	1. Tissue Culture—a tool for plant studies 2. Potential of Tissue culture for New and Improved plants
(3) Prof. A. R. Mehta	South Gujarat University, 15th Feb. 1979	1. Tissue Culture as a Research Method 2. Applications in Industry to Agriculture
(4) Prof. A. R. Mehta	Gujarat Univ., Ahmedabad 22-25, Feb., 1979	Recent successes in Biosynthesis of Natural products by Plant Tissue cultures.
(5) Prof. S. D. Sabnis	Gujarat Univ., Ahmedabad 22-25 Feb., 1979	Angiosperm Taxonomy: Problems and Prospects
(6) Dr. P. K. Bhattacharya	1. Indian Institute of Technology, Bombay	"Macrocyclic Ligand complexes".

Sr. No.	Name of the Teacher	University/Institution	Subject of the lecture
		2. Osmania Univ., Hyderabad	Application of metal complexes in bio-chemical processes.
		3. Vikram Univ., Ujjain	Thermodynamic affects of complex formations.
(7)	Prof. V. V. Modi	University of Poona (Sept. 1978)	Gene and Protein.
(8)	Prof. V. V. Modi	Gujarat University (Feb. 1979)	Microbial Genetics and Applied Microbiology.
(9)	Prof. V. V. Modi	South Gujarat University (7th March, 1979)	Microbial Genetics and Applied Microbiology.
(10)	Prof. V. V. Modi	Jawaharlal Nehru University, Delhi, (1979)	Microbial Genetics and Applied Microbiology
(11)	Prof. V. M. Shah	Jiwaji University, Gwalior (M. P.) March 5th and 6th 1979.	Theory of Distribution.
(12)	Prof. V. M. Shah	15th Annual Conference of the Gujarat Ganit Mandal held at Bardoli during 7-8-9 Nov. 1978.	Dirac delta function.
(13)	Prof. M. M. Patel	S. P. Patel University. Vallabh Vidyanagar.	50 years of Raman effect study.
(14)	Prof. M. M. Patel	South Gujarat University Surat.	Work and life of Sir C. V. Raman.

(e) Participation in Inservice Programme :

Name of the Teacher	Programme, Place and Date	Capacity in which participated
(1) Shri N. V. Patel	Attended Summer Institute in Mathematics for University and College Teachers for all India level held at the University of Poona, Poona from 22-5-1978 to 17-6-1978	Participant
(2) Shri N. F. Patwa	Attended Special Advanced level course on Differential and Integral Equations held at Indian Institute of Science, Bangalore from 15-5-1978 to 17-6-1978.	Participant

Name of the Teacher	University/Institution	Subject of the lecture
(3) Dr. J. R. Patadia	Attended the Inservice Training course in Methodology of Teaching for Fresh and Newly appointed Lecturers of the M. S. University of Baroda held from 12-10-1978 to 26-10-1978 at the Centre of Advanced Study in Education, Baroda.	Participant
(4) Prof. V. M. Shah	Participated in a there weeks orientation courses for Higher Secondary School Teachers at M. S. University of Baroda Sopsnored by Gujarat State Government during 10th May to 30th May, 1978.	Convener
(5) Shri V. M. Kaka	—do—	Resource Person
(6) Shri V. D. Pathak	—do—	—do—
(7) Shri G. B. Patel	—do—	—do—
(8) Shri N. V. Patel	—do—	—do—
(9) Shri R. R. Joshi (Padra)	—do—	—do—

5. Faculty Union Activites

- (1) The Faculty Students' Association arranged Film-shows and Garba-Ras Competition.
- (2) The Students of the Faculty Participated in Cultural items of the 28th University Youth Festival "Season Alive" from 25th January to 4th February, 1979 and won prizes in Dance, Debate and General Knowledge Quiz.
- (3) Prof. N. S. Pandya Trophy Debate was arranged on Friday, 16th February, 1979. The Trophy was won by the Microbiology Department.
- (4) An Inter-School Debate was arranged on Saturday, 24th February, 1979. I.P.C.L. School won the trophy.

6. Faculty Publications :

- (1) Baroda Reporter Narayan Das 'Issue 11' August, 1978. (Annual Publication of the Population Research Centre)

## 7. Visitors

Name and Designation	Date of the Visit
(1) Professor B. M. Johri, Delhi, for "Chavan Memorial Lecture Series" for 1978-79	17th to 18th October 1978
(2) Shri V. D. Jogalekar, Deputy Director, Forensic Laboratory, Bombay	23rd December, 1978
(3) Professor R. Venkart Rice University, Houston, Texas 77001 U.S.A.	1st August, 1978
(4) Dr. Ramnathan, Chief Geologist, O.N.G.C., Baroda	8-10 February, 1979
(5) Dr. M. V. N. Murthy Dy. Director General G.S.I., Jaipur.	8-10 February, 1979
(6) Professor R. C. Misra	8-10 February, 1979
(7) Professor M. S. Sadashivaiah Head, Department of Geology, Karnatak University for "Dr. C. S. Patel Lecture Series" for 1977-78	8-10 February, 1979
(8) Professor S. P. Chatterjee	8th July, 1978
(9) Professor O. P. Bharadwaj	8th July, 1978
(10) Dr. Morris Lieberman Post Harvest Plant Physiology Lab. U.S. Dept. of Agriculture, Beltsville, Maryland, U.S.A.	24th Nov. 1978
(11) Dr. P. K. Bhattacharya Indian Institute of Science, Bangalore.	12th Dec. 1978
(12) Dr. H. R. Cama Deptt. of Biochemistry, Indian Institute of Science, Bangalore.	28th Dec. 1978
(13) Dr. M. V. N. Shirodkar Head, Dept. of Virology, Haffkine Institute, Bombay.	20th Jan., 1979
(14) Dr. G. B. Nadkarni Biochem & Food Tech. Dn. BARC, Bombay.	3rd Feb., 1979
(15) Dr. P. M. Bhargava, Regional Research Lab., Hyderabad, for "Dr. C. S. Patel Lecture Series" for 1978-79.	20th Feb., 1979

Name and Designation	Date of the Visit
(16) Dr. Anand Sarabhai, Biocentre, Shahibaug House, Ahmedabad.	26th Feb., 1979
(17) Dr. D. Srinivasan, Director, Naval Physical Research Laboratory, Chochin.	20th January, 1979
(18) Dr. B. L. S. Prakasa Rao, Professor T.S.T., New Delhi.	30th July, 1978 to 13th Aug., 1978
(19) Dr. P. H. Dave, Development and Planning Officer, Bank of Baroda.	20th Sep., 1978 to 22th Sep., 1978

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

### 1. Courses of Studies

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

### 2. Number of Students

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

	Men	Women	Total
(a) Degree :			
(i) B.Ed.	50	123	178
(ii) S.Y.B.A. (Psy.)	19	62	81
(iii) T.Y.B.A. (Phy.)	30	52	82
Total (a) :	99	237	336
(b) Post-graduate Degree :			
(i) M.Ed. (Full-time)	2	7	9
(ii) Jr.M.Ed. (Part-time)	15	5	20
(iii) Sr.M.Ed. (Part-time)	14	13	27
(iv) M.A.Part I (Psychology)	2	18	20
(v) M.A. Part II (Psychology)	3	10	13
Total (b) :	36	53	89
(c) Doctorate :			
(i) Ph.D. (Education)	15	4	19
(ii) Ph.D. (Psychology)	4	8	12
Total (c) :	19	12	31
Grand Total :	154	302	456

### 3. Staff

#### (a) Present Position :

During the year the staff of the Faculty (including CASE) consisted of 2 Professors, 9 Readers, 24 Lecturers, 2 Teaching Assistants, 17 Class III and 10 Class IV employees.

#### (b) Teachers appointed to higher posts :

(1) Professor D. B. Desai	(i) Head, Department of Education (CASE)	19-6-1978
	(ii) Dean, Faculty of Education and Psychology.	1-10-78

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

(1) Professor D. M. Desai	Head, Department of Educational Administration	Retired
(2) Professor A. S. Patel	Head, Department of Psychology and Dean, Faculty of Education and Psychology.	Retired

(d) Professor D. M. Desai who retired on U.G.C.'S Retired Teachers' Scheme from 1-6-1978, expired on 7-9-1978.

### 4. Professional Growth of the Staff :

#### (a) Published Articles/Papers

Name	Title	Name of the Journal wherein published with month of publication
(1) Professor D. B. Desai	(i) Value Education	Silver Jubilee Volume of AINAC's, New Delhi
	(ii) The Teaching of Don Bosco and Value Education	Silver Jubilee Volume of Don Bosco Schools of India, Bombay.
	(iii) On Conducting Staff Meetings	'Developing School Personality.' Arch Diocese Board of Education Seminar Manual, Goa.
	(iv) On Perception and Roles	—do—
	(v) Communication Behaviour	—do—
(2) Professor M. S. Yadav and Mr. M. B. Menon	(i) Higher Education through correspondence a few considerations	New Frontiers in Education Vol. 8, No. 2, April-June 1978.
	(ii) Correspondence Education in Indian Universities : a few facts	New Frontiers in Edu., Vol. 8, No. 3, July-Sept., 1978.
	(iii) Correspondence Education in the M. S. University of Baroda—A Proposal	M. S. U. Journal, Social Science Number, Vol. 25 and Vol. 26, No. 2.
(3) Professor M. S. Yadav and Dr. S. Roy	(i) Towards a theory of Teaching	National Journal of Education, Vol. 1, No. 1, May 1978.

Name	Title	Name of the Journal wherein published with month of publication
	(ii) The Role of Parents and the education of primary school children	Journal of Indian Education, Vol. 4, No. 2, July 1978.
	(iii) Development of School Science Curricula : an approach	Journal of Indian Education, Vol. 4, No. 3, Sept., 1978.
(4) Dr. P. K. Dongre	Surabharati	M. S. University, Sanskrit Journal, 1978-79.
(5) Dr. G. R. Sudame	Planning and Administration of the Educational broadcasts from All India Radio, Cuttack	EPA Bulletin, Vol. 1, No. 4, January 1979.
(6) Dr. D. C. Joshi	(i) Researches in Higher Education (ii) Role of layman in University Administration	Journal of Higher Edu., UGC, Vol. 3, No. 3, 1978. University Administration, Osmania University Campus, 81 No., 1978.
(7) Dr. D. R. Darji	Curriculum Planning	Gharshala, December, 1978.
(8) Dr. (Smt.) P. M. Buch	(i) Socially useful productive work—a Conceptual framework (ii) Sociological Aspect of Socially useful productive work	Journal of Education, Banaras Hindu University, January 1979. Nutan Shikshan, February, 1979.
(9) Mr. M. B. Menon	(i) Effect of Teachers involvement in the Instructional process (ii) Development of a question bank for a course of Educational evaluation at B.Ed. level	Journal of IER, Jan., 1979. Journal of Higher Edu., University Grants Commission, Spring 1978.
(10) Dr. (Mrs.) Sneha Joshi	(i) Effectiveness of skill based Instructional material synchronised with Micro-teaching approach in the acquisition of the skills of silence and non-verbal cues	Journal of IER, Vol. 2, May 1978.

Name	Title	Name of the Journal wherein published with month of publication
	(ii) Implications of Instructional materials synchronised with Microteaching technique in developing various teaching skills.	Quest in Education, Vol. XV, 4, October 1978
(11) Dr. (Miss) J. A. Christian	(i) A system of Communication process in secondary school administration (ii) A study of Anxiety among University Girl students (iii) System approach (iv) A study of FOF, HOS, N. Ach., Anxiety and concern in the girl students of S.P. University (v) Teaching-Learning model in Geography	Nutan Shikshan, July 1978. Journal of Educational Research, May 1978. Nutan Shikshan, Dec., 1978. Quest in Edu., Jan., 1978. Pratyayan, Feb., 1979.

## (b) Published Books, Brochures :

Name of the Author/s	Title of the Book	Name of the Publisher
(1) Prof. D. B. Desai	(i) An experiment with Population Education (ii) Studies in Achievement Motivation	Federation of Guj. Mills and Industries, Baroda Centre of Advanced Study in Education, Faculty of Education and Psychology M.S.U. Baroda.
(2) Prof. M. S. Yadav	Methods of teaching involving group processes in Developing Instructional Modules for Teacher Education—Selected Exemplar modules	APEID UNESCO Regional Office for Education in Asia and Oceanis, Bangkok, 1978.

Name of the Author/s	Title of the Book	Name of the Publisher
(3) Dr. (Mrs.) N. A. Shelat	(i) Report on Experiment in Population (Curriculum and Tryout) (ii) Report on Researches on School Management and Change.	Federation of Gujarat Mills and Industries, 1979. —
(4) Dr. D. C. Joshi	(i) A study of the purposes of University Education (ii) A Survey of University Teaching Methods (iii) Orientation courses for University Lecturers	Centre of Advanced Study in Education, Faculty of Education and Psychology, M. S. U., Baroda. Centre of Advanced Study in Education, Faculty of Education and Psychology, M. S. U., Baroda. Centre of Advanced Study in Education Faculty of Education and Psychology, M. S. U., Baroda.
(5) Dr. D. R. Darji	Bhugol Shikshan ni Navi Dhari	A. R. Sheth and Co., Feb., 1979.
(6) Dr. (Mrs.) P. M. Buch	Socially Useful Productive work-An innovation in school curriculum	Shweta Publishers, 1979
(7) Dr. (Smt.) P. B. Dekhtawala	School Climate and Educational Change	A. R. Sheth and Co., Ahmedabad.
(8) Mr. M. B. Menon	Modulus on methods of Teaching Involving group processes	APEID Publication, 1978.

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

Sr. No.	Name of the Teacher	Name, Place and Date of the Conference /Seminar	Title of the paper presented
(1)	Prof. D. B. Desai	(i) All India Seminar on Correspondence Education organised by CET. of NCERT at Bombay, 1-12-1978	(i) Correspondence courses for continuing Education

Sr. No.	Name of the Teacher	Place and Date of the Conference/Seminar	Title of the paper presented
21			(ii) Models for Adult Education
22		(ii) Seminar of Teacher Educators organised by Directorate of Collegiate Education, Tamilnadu on 10-12-78 and 11-12-78	(i) CASE Research in Motivation (ii) CASE Research in Organizational Climate (iii) CASE Research in Classroom Climate (iv) CASE Research in Innovation and Change (v) Building Bridges
		(iii) National Seminar on Researches on School Management and Change held from 19 to 22 December, 1978 at CASE M. S. University, Baroda	(i) CASE Research on Organizational Climate (ii) Ripple effect Model for Change/Renewal in School system (iii) Systems Maintenance and systems renewal (iv) Manpower Planning towards Institutional growth and Renewal (v) Communication for change in schools
(2)	Dr. P. K. Dongre	National Seminar on Management and change held at Baroda December 18-22, 1978	System Analysis in Educational Planning

Name of the Teacher	Name, Place and Date of Conference/Seminar	Title of the paper presented
(3) Dr. G. R. Sudame	National Seminar on Educational Technology held in CASE from 28-8-1978 to 31-8-1978	Research Studies in CASE in Educational Broadcasts and Educational Television
(4) Dr. (Miss) T. P. Lulla	NCERT Seminar held from 30th March to 2nd April 1979	Identification of skills
(5) Dr. (Mrs.) N. A. Shelat	National Seminar on School Management and Change held in CASE from 18-12-1978 to 22-12-1978	Concept of organizational climate A gestalt of CASE Researches in organizational climates
(6) Dr. D. C. Joshi	(i) All India Seminar organised in the Indore University, 1978 (ii) National Seminar on School Management and Change held in CASE, 1978	University Teaching Meaning of Innovation- A case of a school for planned change
(7) Dr. D. R. Darji	National Seminar on School Management and Change held at CASE, Dec., 1978	The concept and pattern of leadership Behaviour
(8) Dr. (Miss) M. M. Shah	(i) Central Health Education Bureau, New Delhi from 26-11-1978 to 1-12-1978 (ii) Department of School Education NCERT, New Delhi from 6-2-1979 to 9-2-1979 (iii) Department of School Education NCERT, New Delhi from 30-3-79 to 2-4-79	Health Education in the State of Gujarat Teaching Learning Strategies in Science teaching at primary level Identification of teaching skills at primary level.
(9) Dr. S. Roy	National Seminar on Education Technology held at CASE, M. S. U. in August 1978	(i) Research Perspectives for Educational Technology.

Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the paper presented
(10) Dr. (Smt.) P. M. Buch	All India Conference of Professors and Heads of the Department of Education 18-10-78 to 21-10-78	(ii) Systematisation of Instructional process further studies at school and University level Socially useful productive work-concepts and programmes
(11) Dr. (Miss) M. S. Padama	National Seminar on Educational Technology, CASE, August 1978	Micro-teaching at CASE-Past, Present and Future
(12) Dr. (Smt.) P. B. Dekhtawala	National Seminar on School Management and Change, CASE, Baroda 18th to 22nd December, 1978	Teacher Morale Concept and Research
(13) Mr. M. B. Menon	National Seminar on Educational Technology, CASE, M. S. U. 28-31, August, 1978	Further Research in the systematisation instructions
(d) Talks given at different Universities/Institutions :		
Name of the Teacher	Name of the University/Institution	Subject of the talk
(1) Prof. D. B. Desai	(i) Zonal Conference of Insurance agents, Baroda (ii) Faculty of Social work, N. S. S. Group, Baroda on Inaugural Day of A. E. Programmes, 2-10-78 (iii) State Institute of Education, Ahmedabad on 8-10-78 (iv) Indian Zonal Officers at Railway Staff College, Baroda, 18-1-79	Self Motivation Adult Education Socially useful Productive work Motive Development and Communication

Name of the Teacher	Name of the University/Institution	Subject of the talk
(v) Bulsar District Head-Master's Association, Yearly meeting, Gadat, Bulsar, 27-1-1979, 28-1-79		1 Your Inward Journey 2 Renewal in your School's
(vi) Department of Education, South Gujarat University, Surat, 24-2-1979		Education and Inner Experience
(vii) Gujarat Zone Insurance Agents' yearly meet at Surat on 11-3-1979		Is competition necessary in Insurance Business ?
(viii) Delivered three lectures at Agra on 19-3-1979 to College of Education		(i) Motivation Development, St. John's College, Agra (ii) Classroom climate, R. B. S. College, Agra (iii) Life in Classrooms, and A rose is a Rose is a Rose, Baikunthi Devi, College of Education, Agra
(ix) Valedictory lecture at the Educational Fair of Primary Teachers organised by Baroda Jilla Shikshan Samiti		Education from fairs.
(x) Inaugural talk-Micro-teaching Seminar at Dabhoi College of Education Dabhoi, 15-3-1979.		The Problem of Covert and Overt change through Micro-teaching.
(xi) All India National Association of Catholic Schools at their Silver Jubilee function, at New Delhi, 29-10-1978.		Value Education in Catholic Schools in India.
(xii) Department of Education North Eastern Hill University, Shillong		(i) Concept of Motivation (ii) Motivation Development

Name of the Teacher	Name of the University/Institution	Subject of the talk
(iii) Innovation and change		
(iv) Renewal-self and Institutional		
(v) Classroom climate		
(xiii) Visited various institutions in Shillong (Meghalaya) and gave lectures		(i) Building Bridges, Teachers of Piedmont School (ii) System Renewal, Teachers of St. Mary's College (iii) Role of University towards community, Shillong city Gentry and Educators of Shillong, Department of Continuing Education (iv) Life in Class room, Shillong City Gentry and educators of Shillong Department of Continuing Education : 6-11-1978 to 11-11-1978
(2) Dr. P. K. Dongre	College of Education, Nagpur University, Nov., 1978	Modern Trends in Teacher Education
(3) Dr. (Mrs.) N. A. Shelat	CASE Seminar room, Educational Conference, Theosophical Society	(i) Population Education Experiment—Process and Preparation (ii) Input model of Supervisory behaviour
(4) Dr. D. R. Darji	(i) Central School, Baroda, 13-6-1978 to 22-6-1978	Six talks on Teaching of Social Studies

Name of the Teacher	Name of the University/Institution	Subject of the talk
	(ii) Valsad District Sec. School Principals Association, 27, 28, Jan., 1979	Educational Management and leadership behaviour of school principals
	(iii) Seminar-cum-workshop, organised by A.O., Banas-kantha at Palanpur	Better question paper
(5) Dr. (Miss) M. M. Shah	(i) Gujarat University, Nav-jivan Arts and Commerce College	Measuring tools for evaluating micro-teaching
	(ii) M. N. Contractor College of Education, Dabhoi	(i) Micro-teaching, its perspective (ii) Researches done in the area of micro-teaching
(6) Dr. B. R. Panchal	(i) K. S. High School, Eral	Unit planning and unit testing
	(ii) Primary Schools, Hoda	Preparation of better question papers
(7) Dr. (Miss) S. L. Patel	College of Education, Dabhoi	Assignments and Micro-teaching
(8) Dr. (Smt.) P. M. Buch	Headmasters Association of Panchmahal District	Activities and evaluation of socially useful productive work programme in schools
(9) Dr. (Mrs.) P. B. Dekhtawala	Valsad Dist. Sec. School Principals Association, 27-28 Jan., 1979	How to improve principals' morale
(10) Dr. (Mrs.) Sneha Joshi	College of Education, Dabhoi	(i) Microteaching (ii) Teaching Skills
(11) Dr. (Miss) J. A. Christian	(i) Prakash College of Edu., Ahmedabad	(i) Conceptual thinking of FOF and HOS
	(ii) Secondary Teachers Training College, Kheda	(ii) The conceptual thinking of Self, Selfperception and concern
	(iii) Adult Edu. Orientation Seminar organised by S. P. University	(iii) Local survey of a village

## (e) Participation in Inservice Programme :

Name of the Teacher	Programme, Place and Dates	Capacity in which participated
(1) Professor D. B. Desai	(i) Seminar "Renewal in Education" Jesus and Mary Education Association of India, at Bombay	Director
	(ii) All India Seminar on Correspondence Education organised by C.E.T. of NCERT at Bombay on 1-12-1978	Resource Person
	(iii) Seminar of Teacher Educators organised by Directorate of Collegiate Education, Tamil Nadu, 10-12-1978, 11-12-1978	Director
	(iv) National Seminar on Educational Technology, CASE from 28 to 31 August, 1978	Joint Director and Resource Person
	(v) National Seminar on Researches on School Management and Change, CASE, from 18 to 22 December, 1978	Director
	(vi) One day course with three lecture-cum-demonstrations to Don Bosco's School Order East Zone at their Silver Jubilee Function at Bombay 20-1-1979. The topics were : (i) Self Renewal, (ii) Communication Behaviour, (iii) Classroom life	Director
(2) Dr. P. K. Dongre	(i) Course of Pedagogy for College Teachers	Director/Resource person
	(ii) Orientation course in English for primary teachers, Feb. and March, 1979	Director/Resource person
	(iii) ERIC Conference	Participant

Name of the Teacher	Programme, Place and Dates	Capacity in which participant
(3) Dr. (Mrs.) N. A. Shelat	All India Seminar on School Management and change	Resource person/Participant
(4) Dr. D. C. Joshi	ERIC Conference organised by NCERT	Participant
(5) Dr. D. R. Darji	(i) Attended a seminar on Ishwarbhai Committee report in the M. B. Patel College of Education, at Vallabh-Vidyanagar (ii) Meeting on Educational Management at Alembic Vidyalaya, Baroda (iii) Seminar cum workshop in the Gujarat College, Ahmedabad	Co-ordinator Participant Participant/Subject expert
(6) Dr. (Miss) M. M. Shah	Microteaching Orientation Seminar-cum-workshop held at Dabhoi	Resource person
(7) Dr. S. Roy	Summer Institute on Research in Teaching held at S.N.D.T. University Poona from 15th May to 14th June 1978	Resource person
(8) Dr. J. A. Bhagatwala	Programme of unit teaching and unit planning and evaluation held Panchmahals	Resource Person
(9) Dr. B. R. Panchal	(i) Seminar on school management held from 27-1-1979 to 28-1-1979 at Badat, Dt. Bulsar (ii) Preparation of unit plans and unit tests, 24-2-1979 to 26-2-1979 at Eral (iii) Preparation of better question papers from 9-2-1979 to 10-2-1979 at Hada (iv) Orientation course in Pedagogy for plus two supernumerary College teachers from 13-11-1978 to 18-11-1978, Baroda	Resource person Resource person Resource person Resource person

Name of the Teacher	Programme, Place and Dates	Capacity in which participant
(10) Dr. (Miss) M. S. Padma	Seminar-cum-workshop on Micro-teaching in Teacher Education, Shri R. P. Anand College of Education, Borsad	Resource person
(11) Dr. (Miss) J. A. Christian	(i) Workshop on Assignment Approach in S. Studies in the M. M. D. College of Education on 22 and 23 July, 1978 (ii) Geography in the workshop — Assignment Approach for Std. V organised by the State Textbook Bureau	Resource person Expert Adviser
<b>5. Centre of Advanced Study in Education</b>		
A brief narration of the various academic activities of the Centre of Advanced Study in Education is given below :		
(a) National Seminars : Two national seminars were organized by the Centre during the year :—		
(1) Educational Technology, 28th to 31st August, 1978.		
(2) Researches on School Management and Change, 18th to 22nd December, 1978.		
(b) National Guest Lecture Series : A Series of lectures on topics of relevance and related to educational research was organized by the Centre of Advanced Study in Education, under the National Guest Lecture Series :		
Name	Designation	Subject
1	2	3
(i) Dr. R. H. Dave	Technical Director, IIEP Paris	“Determining Learning Needs in Rural Areas-General Design for Case Studies”
(ii) Professor S. N. Mukerji	—	“Research Methodology”
(iii) Professor O. H. Ayot	Chairman, Dept. of Educational Communication and Technology, Kenyatta University, Nairobi	“Educational Trends in Africa.”

Name	Designation	Subjects
1	2	3
(iv) Professor K. G. Desai	Director, University School of Sociology, Psychology and Education, Ahmedabad	"Problems of Testing" "Bronfenbrenner's Experiment on Moral Dilemma of Children" "How far the Culture Free Tests are really so?"
(v) Professor E. G. Parameswaran	Director, SIET Institute Hyderabad	"Experience, in Extension Training and further researches in the Area".
(vi) Professor G. B. Shah	Head, Dept. of Education South Gujarat University, Surat	"What Evan Illich Says" "Educational Technology, as a Research Media."
(vii) Professor R. S. Trivedi	Vice-Chancellor, Bhavnagar University, Bhavnagar	"Research Priorities in Education", "Humanistic Education—New Dimensions of Research"
(viii) Professor J. L. Azad	Officer on Special Duty, ICSSR, New Delhi	"Planning for Education", "Financing Higher Education—A Research Perspective"
(ix) Professor Induben Dave	Department of Education, Udaipur University, Udaipur	"Guidance and Counselling-Concept and Researches", "Vocational Technology-Concept and Researches"
(x) Professor S. Shukla	Jamia Millia Islmia, New Delhi	"Current Status of History of Education" & "Status of Sociology of Education"
(xi) Professor Tapas Majmudar	Head, Zakir Hussain Centre of Educational Studies, Jawaharlal Nehru University, New Delhi	"Economics of Education"
(xii) Dr. C. L. Kundu	Head, Department of Education, Kurukshetra University, Kurukshetra	"Rorschach Psychodiagnostics"

Name	Designation	Subject
1	2	3
(xiii) Professor H. G. Desai	Head, Dept. of Education, Saurashtra University, Rajkot	"Researches in the Area of self-Concept"
(xiv) Professor R. N. Melhrotra	Central Institute of Education, New Delhi	"Role of a Priori and Empirical Research in Theory Building in Education"
(xv) Professor C. L. Anand	Head, Dept. of Education University of Calicut	"Participant Observation as a Technique in Educational Research", "Studies on Correlates of Achievement Problems and Prospects"
(xvi) Professor A. B. Shah	Head, Indian Institute of Education, Pune	"Education and Indian Tradition"
(xvii) Dr. K. Joseph	Head, School of Education NEHU, Shillong	"Management Approach to Educational Administration", "Emerging Crisis in Educational Administration"
(xviii) Professor V. Natarajan	Director, Examination Research Cell, Association of Indian Universities	"Systems Approach to Education", "Individual Differences in Terms of Learner and Learning"
(c) <i>Inter Disciplinary Lectures</i> : With a view to be abreast of the recent trends in other allied fields, a series of Inter-disciplinary Lectures were organized by the Centre.		
(i) Professor S. M. Sethna, Pro-Vice-Chancellor		
(ii) Professor Birje Patil, Dean, Faculty of Arts, Baroda		
(iii) Shri Markand Bhatt, Principal, Music College, Baroda.		
(iv) Professor S. Sen, Dean, Faculty of Technology and Engineering.		
(v) Professor H. C. Dholakia, Dean, Faculty of Law.		
(vi) Professor S. S. Merh, Dean, Faculty of Science.		
(vii) Professor H. P. Choksi, Dean, Faculty of Commerce.		
(viii) Professor M. B. Achwal, Head, Dept. of Architecture, Faculty of Technology and Engineering.		
(ix) Professor A. G. Javdekar, Head, Dept. of Philosophy, Faculty of Arts.		

- ( x ) Professor A. P. Rana, Head, Dept. of Political Science, Faculty of Arts.
- ( xi ) Professor V. N. Kothari, Head, Dept. of Economics, Faculty of Arts.
- ( d ) *Regular Seminars* : Over 35 seminars were conducted under the bi-weekly seminar series, which is a regular feature of the centre.
- ( e ) A Extra Mural Lecture Series was organized for the benefit of B.Ed. students, wherein ten lectures were delivered by the following persons on various aspects of school education :—

Name	Designation	Subjects
( i ) Shri Navnitbhai Dave	Headmaster, IPCL School, Baroda	“ Human Relations in Schools ”
( ii ) Shri Jayendra Choksi	Principal, Navrachana Higher Secondary School, Baroda	“ How do I make my school Innovative? ”
( iii ) Smt. Mehruben Palkhiwala	Principal, New Era Girls' High School, Baroda	“ Democratic Principalship ”
( iv ) Dr. Jayaben Patel	Principal, Alembic High School, Baroda	“ Daytoday Problems of School Administration ”
( v ) Dr. Saraswati Pandit	—	“ School Administration-Its Relation with Other Subjects ”
( vi ) Dr. S. M. Divekar	—	“ Role of Teacher in School Administration ”
( vii ) Shri C. M. Bhatt	Principal, Bhavan's Public School, Baroda	“ My Experience as a Principal with Special Reference to Public School ”
( viii ) Dr. Anjani Mehta	Principal, Dabhoi College of Education, Dabhoi	“ Changing Role of the Teacher in Modern Times ”
( ix ) Shri S. C. Parikh	—	“ Home School Relationship in School Administration ”
( x ) Shri Bharatbhai Buch	Administrative Officer, Baroda Municipal School Board, Baroda	“ The Role of Administrative Officer in School Administration ”
( f )	A series of five lectures on “ Becoming a Better Teacher ”, was organised for the B.Ed. students by the following :	
( 1 )	Shri J. K. Shukla, Retd. Professor Education.	
( 2 )	Shri Yashwant Shukla, Adviser, H. K. Arts College, Ahmedabad.	
( 3 )	Shri Purshottambhai Patel, Principal, Teachers' College, Gujarat Vidyapeeth, Ahmedabad.	

- ( 4 ) Dr. Dhirubhai Desai, Principal, V. T. Choksi Sarvajanic College of Education, Surat.
- ( 5 ) Dr. B. P. Lulla, Principal, V. T. College, Bombay.
- ( g ) *Publications* :
- The following Monographs were published during the current year :
- ( i ) Purposes of Higher Education—D. C. Joshi.
- ( ii ) Orientation Courses for University Teachers—D. C. Joshi and S. Singh.
- ( iii ) A Study of Organizational Climate, Leadership Behaviour, Staff Morale and Pupil Motivation in the State of Gujarat—A Project report—D. B. Desai and P. B. Dekhtawala.
- ( iv ) Gestalt of Research Findings on Studies in Organizational Climate—S. Sahasrabudhe and N. A. Shelat.
- ( v ) A Summary of University Teaching Methods—D. C. Joshi.
- ( 2 ) The Centre started bringing out a quarterly News letter, this year.
- ( 3 ) A Book, “ *Studies in Achievement Motivation* ”. By Professor D. B. Desai and Dr. Ameeta Govind was published.

#### Visitors :

Name	Designation
( 1 ) Professor Madhuri Shah	Vice-Chancellor, SNDT University, Bombay
( 2 ) Professor L. R. Shah	Joint Director, Ministry of Education, specially deputed for Adult Education
( 3 ) Professor K. Sibley	his team of Teachers from U.S.A.
( 4 ) Mr. A. Broderick	British Council, Bombay
( 5 ) Professor V. Mehta	Professor and Head, Dept. of Education, SNDT, Poona
( 6 ) Mrs. Kiki Munshi	University of Califernea, U.S.A.

#### 6. Department of Extension Services

During the year the Department of Extension Services, organised Seminars, Workshops, Seminar-cum-Workshops, Summer School, Winter School, Orientation courses, Training Courses, Lectures, Talks, and Conferences fulfilling the needs and demands of the schools of the four districts ( Baroda, Panchmahals, Valsad and Surat ) under jurisdiction.

##### I. *Winter School of Education* :

This year “ The Winter School of Education ” was organised in Collaboration with Principals' Association of Bulsar District on “ School Management ” at Gadat, Dist. Bulsar from 27-1-1979 to 28-1-1979. About hundred Principals of Secondary Schools from Bulsar District participated.

##### II. *Seminars, Workshops, Seminar-cum-Workshops, Conferences, Orientation and Training Course* :

Sr. No.	Subject	Date	Place	No. of participants
1	2	3	4	5
(1)	Seminar on Ishwarbhai Committee Report and Committee Report and allied Trend	1- 5-1978	Central Hall, Faculty of Education and Psychology, Baroda	100 Principals
(2)	Seminar-cum-Workshop Preparation and of Assignments in various subjects	1- 6-1978 to 10- 6-1978	Primary Schools, Nagar Prathamik Shikshan Samiti, Baroda City	200 Teachers and Principals
(3)	Orientation Course in Pedagogy for plus two super-numerary College Teachers for Higher Secondary Education	13-11-1978 to 18-11-1978	Extension Hall, Baroda	70 College Teachers
(4)	Seminar for Principals involved in the Assignment Approach for St. VIII	5-12-1978	Extension Hall, Faculty of Education and Psychology, Baroda	8 Principals
(5)	Seminar for Principals involved in Educational Management Project	5-12-1978	—do—	8 Principals
(6)	Seminar cum workshop "Socially Useful Productive Work"	15-12-1978	—do—	40 Principals
(7)	Seminar-cum-Workshop on Preparation of Assignments of Std. VIII	6- 1-1979 to 7- 1-1979	—do—	60 Teachers and Principals
(8)	Seminar on "Socially Useful Productive Work"	21- 1-1979	Godhra, Dist. Panchmahals	175 Principals
(9)	Seminar-cum-Workshop on School Management	27- 1-1979 to 28- 1-1979	Gadat, Dist. Bulsar	50 Principals
(10)	Training Course in English for Primary Teachers for Std. VI	12- 2-1979 to 24- 3-1979	Extension Hall, Faculty of Education and Psychology, Baroda	70 Principals
(11)	Seminar-cum-Workshop on "The Preparation of Unit Plans and Unit Tests for Std. X,	24- 2-1979 to 26- 2-1979	Shri Krupalu Sarvanjanik High School, Eral ( Dist. Panchmahals )	40 Teachers and Principals

## CHAPTER X (B) UNIVERSITY EXPERIMENTAL SCHOOL

### 1. Courses of Study

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

### 2. Number of Students

	Boys	Girls	Total
(1) Primary I to VII	204	131	335
(2) Secondary VIII to X	88	74	162
(3) Higher Secondary XI and XII	213	105	318
<b>Total</b>	<b>505</b>	<b>310</b>	<b>815</b>

### 3. Staff

#### (a) Present Position :

The Staff of the School consisted of 3 Post Graduate untrained Teachers, 13 Graduate Trained Teachers, 1 Graduate untrained Teacher, 5 other teacher's 2 Co-ordinators, 1 Librarian, 1 Senior Clerk, 1 Junior Clerk, 7 Class IV employees.

#### (b) New Appointments :

(1) Smt. Nandiniben S. Mahendra	Librarian	20- 4-1978
(2) Shri A. B. Panchal	Co-ordinator	20-11-1978
(3) Smt. Rakshaben U. Dekhtawala	Teacher	1- 2-1979

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

(1) Smt. Bhaktiben P. Pandya	Resigned
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### 4. Professional Growth of the Staff

#### (a) Participation in workshop/Seminars/Inservice Programme :

Name of the Teacher	Programme	Capacity in which participated
(1) Dr. Mahendra Chokshi	Educational Programmes for Students and Teachers in a Educational Broadcast consultative panel attached to Ahmedabad, Baroda, Rajkot and Bhuj stations of All India Radio	Honorary Advisor
(2) Shri S. R. Patel	United Schools International Seminar on Teaching about UN in Schools from 3-12-1978 to 12-12-1978 organised by USO of India	Guest representing Western India

Name of the Teacher	Programme	Capacity in which participated
(3) Shri M. M. Amin	(i) Workshop-Cum-Seminar of Primary School Teachers of M.S.B. Baroda in Orientation and Preparation for Assignments in class room teaching for Std. V VI and VII,	Resource Person
	(ii) Seminar-Cum-Workshop for teachers of Manav Jivan Vigyan, New Syllabus organised by Baroda District School Association at Chanod on 2nd and 3rd September, 1978	Resource Person
	(iii) Workshop for the preparation of assignments for Std. VIII Science for schools which are selected by the Department of Education for the project from Baroda, Panchmahal and Surat Dist. on 16th and 17th December, 1978	Resource Person
	(iv) Seminar-Cum-Workshop of Secondary School Teachers of Panchmahal Dist. for preparing assignments for Std. X Science and Maths at Eral. Dist. Panchmahal on 24th, 25th and 26th February, 1979	Participant
	(v) Seminar and Workshop for VIII class project of assignment study in selected schools of Gujarat at Ahmedabad on 23rd and 24th September, 1978	Participant
	(vi) Seminar for the review of Text-books for Std. VIII Maths. and Science organised by Guj. State Text-Book Board at Pathikbhuvan, Gandhinagar on 25th and 26th November, 1978	Participant

## (b) Talks given at different organizations :

Name	Organization	Subject
Shri Kantibhai Rana	(i) Vithal Kanya Vidyalaya, Nadiad	To make use of waste material and Clay-work
	(ii) Lion's Club, Makarpura	Creative Ability

## 5. Experiments and Activities

## (a) Projects :

Class	Project	Subject
(1) V	States of India	Social Studies
(2) VI	Mineral Wealth of India	Social Studies
(3) VII	Irrigation in India	Social Studies
(4) VI	Neighbour countries Shrilanka and Nepal	Social Studies
(5) VII	Neighbour countries-Pakistan, Bangladesh and Egypt	Social Studies
(6) VIII	Civilization of Egypt and China	Social Studies
(7) VIII	Detailed study of the text book	Hindi
(8) X	Authors and Poets	Hindi
(b)	Various programme like garba, Fancy Dress Competition, Picnic etc. were arranged in the school to celebrate the International year of the child.	

## 6. Results of Examinations

- (1) The result of the Science Stream of Higher Secondary Exam, held in April, 1978 was 93.5%. Rajiv Shah obtained 75% and Stood first in the School.
- (2) The result of the Arts stream of Higher Secondary Exam, held in April, 1978 was 75%.
- (3) The result of the New S.S.C. Exam. held in March, 1978 was 89%.
- (4) Chirayu Bardoliwala obtained 82.4% of marks, stood second in Baroda Centre and first in Mandvi, Baroda Centre.
- (5) Hina V. Kothari obtained 81.4% of marks and stood third in Sayajinuj, Baroda Centre.
- (6) Sanjay J. Chauhan obtained 80% of marks and stood fifth in Sayajinuj, Baroda Centre.
- (7) The pupils of the school appeared at the following external examinations :—

Examination	appeared	Passed	Percentage of passing
( i ) Sanskrit Pravesh	5	5	100%
( ii ) Sanskrit Prarambha	33	33	100%
( iii ) U.N. Information held by			
U.N.O. Pre. Senior	110	102	92%
" Senior	41	40	97.7%
( iv ) English Exam. held by Bharatiya Vidya Mandal Surat			
(a) Primary	55	55	100%
(b) First Grade	47	47	100%

### 7. Awards and Prizes

#### (1) Awards in Fine Arts :

(a) Name	Prize	Competition
( i ) Purvi R. Pandya (Std. V)	One medal	Drawing competition organised by the All India Women's Conference
( ii ) Naim Malek (Std. IV)	—do—	—do—
( iii ) Rupande H. Patel (Std. IX)	—do—	—do—
( iv ) Tushar N. Jhaveri (Std. V) and Taral D. Shah (Std. VI)	Merit Certificates and medals	Art Competition organised by Soviet Land Nehru Award
( v ) Hetal Dattatraya Desai (Std. IX)	Prize of Rs. 50	Art Competition sponsored by Lalit Kala Academy, Ahmedabad
( vi ) Nitin Surve (Std. V)	First Fourth	All India Carrom contest
( b )	The children of the school presented a drama 'Vansalina Vadhamna' at T.V. studio, Ahmedabad, on 14-11-1978.	
( c )	The children of the School presented a drama ' An Ghen Diwa Ghen ' at T.V. Studio, Ahmedabad, on 20-2-1979.	

#### (2) Awards in Sports :

- ( i ) Bhadresh Jhaveri (Std. X) received seven medals in the Swimming Competition organised by Baroda Municipal Corporation.
- ( ii ) Raksha Joshi Std. XI Common was selected as a Vice-Captain of Baroda School's Hockey team for playing at Rajkot.

- iii) Annual Sports of the school were organised on 7th and 9th February, 1979. Paulomi Patel (Std. VIII) and Rahul S. Patel (Std. X) were declared school champions.
- ( iv ) Number of pupils got merit certificates and medals in various games in the Madhyasth Kreedha Mandal, Baroda District.
- ( v ) Shanti Natarajan Pillai of XI Common participated in the following Hockey Tournaments and obtained merit Certificate :
- (1) National Girls Hockey Championship 1978, organised by Pepsu Women's Hockey Association at Kapurthala.
  - (2) Gujarat State Schools Winter Games Women's Hockey, Tournament, 1978 organised by Gujarat State Women's Hockey Association, Ahmedabad.
- (3) Awards in Debate and Essay Competitions :
- ( i ) Twenty pupils of the school took part in the Elocution competition organised by Udyonagar Debating Society, Baroda and won a running shield.
  - ( ii ) The following pupils won prizes in the Elocution competition held by All India Women's Conference, Baroda.
    - First — Bhamini Upadhyay Std. VIII
    - Second — Shilpa K. Shah Std. VIII
    - Third — Rupal J. Shah Std. VIII
    - Fourth — Bhairavi U. Pandya Std. VI
  - ( iii ) Tejal S. Desai (Std. VIII) and Purna H. Shah (Std. IX) won prizes in the essay competition held by All India Women's Conference, Baroda.
  - ( iv ) Alkesh Amin stood first and Smita Jani stood fourth in the Elocution competition organised by SOCILIEAN.

### 8. Visitors

Name	Subject of the Talk
(1) Shri Ravindrabhai Patel, Principal of a High School in Canada	His experiences and the pupils of his school.
(2) Shri Mahendra Sampat	Discipline
(3) Swami Adhyatmanandji	Aim of life and Yogic way to achieve it.

## CHAPTER XI—FACULTY OF COMMERCE

### 1. Courses of Studies

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

### 2 Number of Students

Class	Men	Women	Total
(1) Diploma in Co-operation (Under -graduate)	11	2	13
(2) F.Y.B.Com.	877	459	1,336
(3) S.Y.B.Com.	542	391	933
(4) T.Y.B.Com.	505	288	793
(5) M.Com. Part I	107	31	138
(6) M.Com. Part II	122	31	153
(7) Ph.D.	1	—	1
(8) Post-graduate Diploma in Banking	81	60	141
(9) Post-graduate Diploma in Co-operation	19	—	19
<b>Total</b>	<b>2,265</b>	<b>1,262</b>	<b>3,527</b>

### 3. Staff

#### (a) Present Position :

The Staff of the Faculty consisted of 3 Professors, 9 Readers, 19 Lecturers, 6 Teaching Assistants, 2 Part-time Lecturers, 11 Class III and 21 Class IV employees. The Department of Law and of Mathematics made arrangements for teaching of the subjects of Mercantile Law and of Mathematics. Some members of the staff of the Faculty had teaching assignments in the Faculty of Technology and Engineering, Faculty of Law and the Polytechnic.

#### (b) New Appointments :

- |                          |                                   |
|--------------------------|-----------------------------------|
| (1) Shri A. S. Bhatt     | Reader in Business Administration |
| (2) Shri S. J. Desai     | Lecturer in Accounts              |
| (3) Shri M. B. Majmudar  | Lecturer in Accounts              |
| (4) Shri A. R. Hingorani | Lecturer in Commerce              |

### 4. Professional Growth of the Staff

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

Sr. No.	Name of the Teacher	Name, Place and Date of the Conference/Seminar	Title of the paper presented
(1)	Shri D. R. Shah	Input-Output Conference 29th, 30th June, 1978 U.G.C. sponsored National Seminar on "Banking Education, Training and Research" January 21-24, 1978 at Baroda All India Input-Output Association	Input-Output relations in Dairy Industries of Gujarat
(2)	Professor H. P. Chokshi	Gujarat University Lecture Series, December, 1978	Strategy of Sixth Five Year Plan

#### (b) Participation in Inservice Programme :

Sr. No.	Name of the Teacher	Programme, Place and Date/s	Capacity in which participant
(1)	Professor K. C. Mehta	Regional Conference of Chartered Accountants held at Poona from 23-2-1979 to 25-2-1979	Participant

### 5. Faculty Union Activities

The Faculty Cricket XI has won the Championship in the University for the year.

## CHAPTER XII—FACULTY OF MEDICINE

## (A) MEDICAL COLLEGE

## 1. Courses of Studies

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

## 2. Number of Students

## (1) Degree :

## (1) M.B.B.S.

	Men	Women	Total
Ist year	172	29	201
2nd year	121	25	146
3rd year	131	24	155
4th year	120	29	149
5th year	134	31	165
<b>Total</b>	<b>678</b>	<b>138</b>	<b>816</b>

## (2) Post-graduate Diplomas :

D.A.	}	44	15	59			
D.C.P.							
D.G.O.							
D.L.O.							
D.M.R.D.							
D.O.							
D.C.H.							
T.D.D.							
D.V.D.	}	44	15	59			
<b>Total</b>					<b>44</b>	<b>15</b>	<b>59</b>

## (3) Post-graduate Degrees :

M.D.	}	65	12	77
M.S.				
M.Sc.				
Ph.D.				
<b>Total</b>	<b>65</b>	<b>12</b>	<b>77</b>	
<b>Grand Total</b>	<b>787</b>	<b>165</b>	<b>952</b>	

## 3. Staff

## (a) Present Position :

The staff of the College consisted of a Dean, 27 Professors, 6 Associate Professors, 45 Assistant Professors, 36 Tutors, 11 other Gazetted Staff, 2 Part-time Tutors, 7 Part-time Assistant Professors, 11 Honorary Professors, 6 Honorary Assistant Professors, 3 Full-time Surgeon/Physician, 108 Class III and 102 Class IV employees.

## (b) New Appointments :

(1) Kum. Jyoti Khristie	Tutor in Anatomy
(2) Dr. K. P. Desai	Tutor in Anatomy
(3) Shri N. C. Sabastain	Assistant Professor in Physiology
(4) Shri S. R. Patel	Tutor in Pharmacology
(5) Dr. A. K. Batham	Assistant Professor in Pharmacology
(6) Dr. S. C. Patel	Assistant Professor in Pathology
(7) Dr. (Kum.) P. S. Dixit	Tutor in Pathology
(8) Dr. U. R. Purandare	Part-time Assistant Professor in Pathology
(9) Dr. Smt. N. S. Nagar	Assistant Professor in Preventive and Social Medicine
(10) Dr. V. N. Potbhare	Assistant Professor in Medicine
(11) Dr. N. D. Swadia	Tutor in Surgery
(12) Dr. (Smt.) V. R. Balumar	Assistant Professor in Obstetrics and Gynaecology
(13) Dr. N. C. Pandya	Tutor in Obstetrics and Gynaecology
(14) Dr. (Smt.) R. M. Shah	Tutor in Biochemistry
(15) Shri K. J. Mathai	Assistant Professor in Biochemistry
(16) Dr. N. H. Patel	Assistant Professor in Ophthalmology
(17) Dr. A. J. Vaishnav	Assistant Professor in Orthopaedic
(18) Dr. M. V. Gandhi	Assistant Professor in Orthopaedic
(19) Dr. R. S. Tiwari	Tutor in E.N.T.
(20) Dr. G. J. Shah	Assistant Professor in Anaesthesia
(21) Dr. N. K. Shah	Tutor in Anaesthesia
(22) Dr. G. N. Makwana	Tutor in Anaesthesia
(23) Dr. N. D. Tilawat	Tutor in Anaesthesia
(24) Dr. (Kum.) P. R. Dakwala	Associate Professor in Anaesthesia
(25) Dr. (Smt.) K. C. Patel	Part-time Assistant Professor in Radiology
(26) Dr. S. D. Shah	Part-time Assistant Professor in Skin V.D.
(27) Dr. M. V. Dhopte	Part-time Assistant Professor in Skin V.D.
(28) Dr. A. C. Munshi	Joined as a Honorary Assistant Professor in Medicine
and Dr. B. R. Shah	As a Honorary Assistant Physician in S.S.G. Hospital

## (c) Teachers Appointed to Higher Position :

(1) Dr. (Smt.) S. Chandwani	Associate Professor in Physiology
(2) Dr. (Smt.) G. K. Hathi	Assistant Professor in Physiology
(3) Dr. S. C. Parikh	Assistant Professor in Bio-Chemistry
(4) Dr. (Kum.) T. V. Joshi	Assistant Professor in Bio-Chemistry
(5) Shri J. D. Bhatt	Assistant Professor in Pharmacology
(6) Dr. (Smt.) S. B. Patra	Associate Professor in Pathology
(7) Dr. R. M. Oza	Assistant Professor in Pathology
(8) Dr. G. N. Shukla	Associate Professor of Surgery

## (d) Teachers who Left :

(1) Dr. D. K. Rathod	Tutor in Physiology	Resigned
(2) Dr. Smt. K. F. Barodawala	Assistant Professor in Pathology	Transferred
(3) Dr. V. P. Vaishnav	Professor of Pathology	Transferred
(4) Dr. V. P. Desai	Tutor in Microbiology	Resigned
(5) Dr. V. N. Potbhare	Assistant Professor in Medicine	Resigned
(6) Dr. (Kum.) D. S. Shah	Assistant Professor in Obstetrics and Gynaecology	Transferred
(7) Dr. P. S. Bhatt	Assistant Professor in Pediatrics	Resigned
(8) Dr. J. M. Chhatrapati	Tutor in Biochemistry	Resigned
(9) Dr. D. R. Patel	Tutor in Forensic Medicine	Resigned
(10) Dr. U. T. Patel and Dr. A. C. Shah	Part-time Assistant Professors in Surgery/C.T. Surgery are appointed as Hon. Assistant Professors of Surgery.	
(11) Dr. C. P. Munshi	Retired as Honorary Physician at S.S.G. Hospital and Hon. Professor of Medicine at Medical College, Baroda and appointed as Emeritus Professor of Medicine at Medical College and S.S.G. Hospital Baroda by Government of Gujarat.	

## 4. Shri Sayaji General Hospital

The Hospital is a teaching institution attached to the Medical College, where Clinical instructions are imparted. It has six medical, six surgical, four Obstetrics and Gynaecology, two Paediatrics, one Dental, One E. N. T., three Orthopaedics, one Anaesthesia unit and one Psychiatric Unit, one Skin V. D., one Plastic Surgery, C. T. Surgery and two Ophthalmology Units. The students are posted under these units for their clinical training. The total bed strength is 944, Average daily in patient attendance and O. P. D. attendance for the year 1978-79 was 1211.43 and 1634.34 respectively.

## 5. Professional Growth of the Staff

## (a) Published Articles/Papers :

Sr. No.	Name of the Teacher	Title of the Article/Paper	Journal in which Published with month of Publication
(1)	Dr. H. C. Shrivastava	(i) Postnatal development of rat soft palate	British Journal of Anatomy, Jan. 1979, Vol. 128; 97-105
		(ii) Movement of palatal shelves during Secondary palate closure in rat	American Journal of Teratology, 1979, Vol. 19:87-104
		(iii) Development of Notochordal sheath in chick embryos	Anatomical Record 1978, Vol. 190, (2) 623
		(iv) Glycogen in the prenatal epithelium of forestomachs of buffalo	Indian Veterinary Journal 1978 55, (8) 631-633
		(v) Cornification in the prenatal forestomachs of buffalo (Babulus bubalis)	Indian Journal of Animal Science, 1978, 48, (6) 473
(2)	Dr. D. C. Vyas	Postnatal development of rat soft palate	British Journal of Anatomy, Jan. 1979 Vol. 128; 97-105
(3)	Dr. O. D. Gulati and Dr. D. I. Panchal	Some observations on the development of adrenergic innervation in rabbit intestine	British Journal of Pharmacology (1978), 64; 247-251
(4)	Dr. S. R. Patel, Dr. R. K. Goyal and Dr. D. S. Shah	Studies on the Pharmacological effects of <i>Tinospora Cordifolia</i>	Journal Res. Ind. Med. Yoga and Homeopathy (1978), 13:2
(5)	Dr. M. N. Joshi, Dr. N. J. Joshi, Dr. D. S. Shah, Dr. K. G. Hemavathi and Dr. O. D. Gulati	Studies on the sympathomimetic effects of guanoxan on smooth muscle of rat	Arzneimittel-Forschung/ Drug Research (1978)

Sr. No.	Name of the Teacher	Title of the Article/Paper	Journal in which published with month of Publication
(6)	Dr. M. P. Patel, Dr. P. K. Trivedi, Dr. K. G. Hemavati and Dr. D. S. Shah	Studies on the sympathomimetic effects of debrisequin on smooth muscle of rat	Indian Journal of Pharmacology (1978) 10, (2) 127-133
(7)	Dr. R. V. Bhatt	(i) Electrolyt studies after I.A. instillation of 20% saline (ii) Estimation of liquor volume in second trimester (iii) Female sterilisation in small camp settings in in Rural India (iv) Psycho-social problems in teenage pregnancies (v) Comparative study of minilap falope ring of laparoscopic falope ring (vi) Our experience with tubal reanastomosis after previous tubeligation	The Indian Journal Medical Research, 67; 989; 1978 The Indian Journal Medical Research, 67; 767; 1978 Studies in Family Planning 9; 39; 1978 The Journal Reproductive Medicine, 1978 October. Int. Journal Federation of Obstertrics and Gynaecology 14; 351; 1978. Journal Obstertrics and Gynaecology India, 29; 210; 1979 (Feb.)
(8)	Dr. M. N. Hazra	(i) Electrolyte studies after Intra-amniotic instillation of 20% sodium chloride (ii) Estimation of the volume of liquer in second trimester	Indian Journal Med. Res. 67. April 1978, p. 589-592 Indian Journal Med. 67. May, 1978, p. 767-770
(9)	Dr. (Mrs.) S. Chandwani Dr. (Mrs.) T. V. Joshi	Normal ankle Jerk-Effect of age	J.I.M.A. Vol. 71, July 1st, 1978, pp. 1-4
(10)	Dr. N. C. Sebastian	Maximum O <sub>2</sub> up take of Indian Agricultural workers in relation to age and Sex	Journal of Madurai University. Vol. 7. No. 2, 1978

Sr. No.	Name of the Teacher	Title of the Article/Paper	Journal in which published with month of Publication
(11)	Dr. D. N. Shah Professor A. K. Niyogi, Professor D. H. Trivedi	Influence of Maternal factions on Pragnancy out come	Indian Association of Preventive and Social Medicine Udaipur, February 11/12/13-1978
(12)	Professor D. H. Trivedi, Dr. D. N. Shah, Dr. D. B. Vyas, Dr. Y. I. Patel	Endemic goitre along the bank of river Karjan and Narmada Gujarat	—do—
(13)	Dr. C. P. Shah Dr. (Mrs.) P. Kaul	Evaluation of C.S.F. Got. levels in CV diseases	Journal A.P.I. (1978), Vol. 26, p. 491
(14)	Dr. R. S.Pande and Dr. (Mrs.) S. K. Amin	(i) Peak Expiratory Flewate in Normal subjects (ii) Lung function in chronic pulmonary Tuberculosis	Indian Journal of Chest Diseases (1978) Vol. 20, No. 2, April, 1978 Indian Journal of Chest Diseases (1978) Vol. 26, No. 3, October
(15)	Dr. V. P. Vaishnav, Dr. R. M. Oza	Ecology of Virus B. Hepatitis in Baroda	The Clinical Reporter : Vol. 11, No. 10, October, 1978
(b) Papers presented at all India Level Seminars, Conferences etc. :			

Sr. No.	Name of the Teacher	Name, Place and Date the Conference/Seminar	Title of the Paper Presented
(1)	Dr. O. D. Gulati	(i) Annual Conference of Indian Pharmacological Society at Delhi-CSIR.-29th December, 1978 (ii) Annual Conference of Ass. of Physiologists and Pharmacologists of India at Udaipur, 27, 28th December, 1978 (iii) National Seminar on Rheumatic disease at Delhi-18th November, 1978	Effect of lithium on responses of rat isolated seminal vesicle to 5-hydroxytryptamine Participated in a seminar on Technology of teaching basic medical Sciences Clinical Trial of Tinasporea cordia in Rheumatic old Arthritis

Sr. No.	Name of the Teacher	Name, Place and Date of the Conference/Seminar	Title of the Paper Presented
		(iv) Seminar on Indian Medicinal Plants at Banaras Hindu University, Varanasi-3rd to 5th March, 1979	Clinical Trial of Tinaspora Cordia in Rheumatic old Arthritis
(2)	Dr. D. S. Shah	Annual Conference of Indian Pharmacological Society at Delhi-28th December, 1978	Studies on the effects of dehydrometine on vas deferens of rat
(3)	Dr. N. C. Sebastian	Indian Science Congress 66th Session held at Hyderabad 1979	(i) Indian Agricultural work Some Ergonomic aspects (ii) Summer heat and Indian Agricultural Workers
(4)	Dr. B. B. L. Mathur	Annual Meetings of Indian Association of Pathologists and Microbiologists at Madras, December, 1978	(i) Mesenchymal hamartoma of Liver (ii) Endodermal sinus tumours of Ovary
(5)	Dr. M. N. Hazra	(i) IVth All Gujarat Obstetrics and Gynaecology Conference at Jamnagar, November 1978	(i) 60 cases of induced septic abortion outside hospital practices. (ii) Outcome of Preg. in grand mult iparae
(6)	Dr. R. V. Bhatt	(i) All India Cong. of Obst and Gynaecology December 1978, Indore (ii) Ist Asian Congress on Fertility and Sterility March, 1979, Bombay	Our Experience of genital tract" Our experience with tubal reanastomosis
(7)	Dr. S. R. Trivedi	Annual Conference of Indian Orthopaedic Association at Allahabad August, 1978	Solitary Osteolytic lesions of bone. A review of 100 cases
(8)	Dr. P. S. Nagpal	Annual Conference of Indian Orthopaedic Association at Allahabad in August 1978	CARNIO VERTEBRAL ANOMALY
(9)	Dr. N. A. Dave Dr. R. A. Bhadelia and Dr. K. C. Patel	The 32nd Annual Congress of Radiology, held in Bombay from 4th to 7th January 1979	Carniovertibral anomaly, a study of 30 cases

Sr. No.	Name of the Teacher	Name, place and Dates of the Conference/Seminar	Title of the paper presented
(10)	Dr. V. B. Kalea and Dr. M. P. Mehta	The 32nd Annual Congress of Radiology, held at Bombay, from 4th to 7th Jan. 1979	Role of radiology in renal artery Stenosis
(11)	Dr. P. S. Nagpal	7th Annual Gujarat State T.B. Conference, held on 21st January 1979	Experiences of Rifampicin in skeletal Tuberculosis
(c) Talks given at different Universities :			
	Name of the Teacher	University/Institution	Subject of the Talk
(1)	Dr. (Mrs.) H. A. Thakkar	(i) All Gujarat Dietetic Conference at Home Science Faculty, M. S. University Baroda (ii) Home Science Faculty, M. S. University, Baroda	Physiological and Biochemical aspects of Diabetes Mellitus Family Planning-Physiological basis of contraception and methods of it
(2)	Dr. O. D. Gulati	Banaras Hindu University, Varanasi, 3rd March, 1979	Cholinergic link hypothesis
(d) Participation in Inservice Programme :			
Sr. No.	Name	Programme, Place and Date	Capacity in which participated
(1)	Dr. M. N. Hazra	(i) Peripheral Antenatal Visit December 1978. Halol Mobile Surgical Camp and Laparoscopy sterilisation camps at various parts of Gujarat State during January to March, 1979.	Consultant
(2)	Dr. (Mrs.) S. K. Amin	(i) International Congress of Advances in Internal Medicine January 8th to 12th, 1979 (ii) Special Course in Cardiology at the above mentioned Congress (iii) Gujarat State Conference of Physicians of Gujarat at Nadiad in Gujarat in February, 1979	Participant —do— —do—

Sr. No.	Name	Programme, Place and Date	Capacity in which participated
		(iv) API Conference at Bhopal, February, 1979	Participant
		(v) Workshop on Clininal Immunology and Respiratory Allergy at New Delhi, from 16th to 30th November, 1978	Participant
(3)	Dr. K. J. Pathak	(i) Two Mobile Hospital Medical and Surgical Camps at Nareshwar Dist. Baroda from 15th to 28th February, 1979, and (ii) At Halol Dist. Panchmahal from 10th to 31st December 1978	In-charge Doctor
(4)	Dr. C. P. Munshi	(i) First Conference of Physicians of Gujarat held at Baroda on 18th February, 1979 (ii) Drugs and Instruments Advisory Committee for all the Hospitals of Gujarat State, appointed by Gujarat Government	President Chairman
(5)	Dr. B. T. Dave	First Conference of Physicians of Gujarat held at Baroda on 18th February, 1979.	Participant
(6)	Dr. C. P. Munshi	—do—	Chairman of the Panel Discussion
(7)	Dr. P. M. Luhar	—do—	Participant
(8)	Dr. C. P. Shah	—do—	Participant
(9)	Dr. D. H. Trivedi	—do—	Participant
(10)	Dr. C. P. Munshi	Seventh Annual Gujarat State T.B. Conference held on 21st January, 1979	Chairman of the Panel Discussion
(11)	Dr. A. G. Patel	—do—	Participant
(12)	Dr. V. C. Patel	—do—	—do—
(13)	Dr. D. H. Trivedi	—do—	—do—
(14)	Dr. P. M. Vaidya	—do—	—do—

## (e) Teachers deputed to various Conferences :

Sr. No.	Name and Designation Teacher	Name, Place and date/s of the Conference
(1)	Dr. O. D. Gulati, Senior Professor and Head of the Department of Pharmacology	(i) Annual Conference of Indian Pharmacological Society at Delhi, 29th December, 1978 (ii) Annual Conference of Assn. of Physiologists and Pharmacologists of India at Udaipur, 27th, 28th December 1978 (iii) National Seminar on Rheumatic disease at Delhi, 18th November, 1978 (iv) Saminar on Indian Medicinal Plants at Banaras Hindu University, Varanasi, 3rd to 5th March, 1979.
(2)	Dr. D. S. Shah, Professor of Pharmacology	Annual Conference of Indian Pharmacological Society at Delhi, 28th December, 1978.

## 6. Library

The details regarding the average daily attendance of students and teachers in the Faculty Library and the reading room, and the number of books issued to them are given in the following statements.

Particulars	Number
1. Average number of students making use of the Library and/or reading room daily.	380
2. Average number of teachers making use of the Library and/or reading room daily	90
3. Total number of books issued to students during the year	60,000
4. Total number of books issued to teachers during the year	4,800

The details regarding the stock expenditure of the Library :

	Nos.	Cost
1. Books (including back numbers of journals as on 1-4-1978)	20176	—
2. Books written off during the year	Nil	—
3. Books added during the year	1619	—
4. Books as on 31-3-1979	21795	—
5. Journals subscribed during the year	178	—
6. Amount spent on binding	355	4,448/-
7. Total amount spend for library and/or reading room during the year	—	1,85,000/-

## 7. Special Events

Dr. N. A. Dave was awarded a Gold Medal at the Annual Convention for Outstanding Services to the Association.

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

1. **Function of the Unit**

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

2. **Staff**

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

3. **Library**

The total number of books in the Library remained the same as in the previous year, which is 2595.

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 specimens jars of fresh herbs preserved in solution and 16 charts and maps. About 300 specimens have been collected for the herbarium and are classified. A relief map of India showing the distribution of important medicinal plants of India is exhibited in the museum.

5. **Work done in the Unit**

(1) *Rasa Shala*

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

(2) *Research Work*

The following Clinical Studies have been carried out during the year.

- (i) Preliminary clinical study of the bronchial sedative effects of *Phyllanthus niruri* (boyamli) and *Emblica officinalis* (Amla). Fifteen Out-patients and some in-patients received treatment. The results have been encouraging. So, the Clinical trial is being continued.

- (ii) Preliminary clinical study of the effect of *Achryranthus asperain* obesity.

Twenty-one patients were included in the study. Because of the lack of encouraging results, the trial was discontinued.

- (iii) Clinical Trial of *Ficus glomerata* in hyperacidity (country fig; Hindi, gular, Gujarati, Umar, Umbro) Six of the seven patients who received the treatment were relieved of their spasmodic pain. Anti-spasmodic action of *Ficus glomerata* in guinea pig isolated ileum was also studied.

- (iv) Clinical Trial of *Azadirachta indica* (Neem) in eczema. Twenty nine patients suffering from dry eczema were selected for the present study.

Ten patients did not continue the treatment. Of the remaining 19 patients, 3 showed good relief from symptoms and 5 showed partial relief.

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

During the year 19044 old cases and 1535 new cases were reistered in the O.P.D. of the Unit.

6. *Professional Growth of the Staff*

(a) **Publication**

Author	Title	Journal/Published
(1) Sh i Pandya D. C.	Kas rog per Amalaki aur Bhumyamlaki ka prayogic Adhyayan	Ayurved Vikas; 1, 37-39, 1978.
(2) Smt. Karmarkar K. B.	"Ek Safala Shivambhu Chi- kitsa".	Ayurveda Patrika, 123, Nov. 15, 1978.

(b) *Papers Presented at all India level Seminar :*

Name	Name Place and date of the Seminar	Title of the paper presented
Dr. O. D. Gulati	U.G.C. Seminar on Drug Potentials of India Medicinal Plants at Institute of Medical Sciences, Banaras Hindu University Varanasi on 4th March, 1979	"Clinical trial of <i>Tinospora Cordifolia</i> in rhoumatoid arthritis".

## CHAPTER XIII—FACULTY OF TECHNOLOGY AND ENGINEERING

### 1. Courses of Study

(1) The courses of studies remained the same as in the previous year.  
 (2) During the year Applied Chemistry Department started a Post-graduate 2 year course leading to the degree of M.Sc. ( Applied Chemistry ) in June, 1978.

(3) The following examination reforms are introduced in the Faculty.  
 All First and Third year Degree/Diploma examinations include (a) 2 periodical tests of 20 marks each (b) 2 Short quizzes/assignments etc. of 5 marks each (c) A final examination of 50 marks.

(4) 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 various classes at the commencement of the year was as under :

	Men	Women	Total
( a ) Diploma	223	—	223
( b ) Degree	2,717	131	2,848
( c ) Post-graduate Diploma	3	—	3
( d ) Post-graduate Degree	121	6	127
( e ) Ph.D.	32	7	39
<b>Grand Total</b>	<b>3,096</b>	<b>144</b>	<b>3,240</b>

### 3. Staff

#### ( a ) Present Position :

During the year the staff of the Faculty consisted of 20 Professors, 1 Director, 40 Readers, 131 Lecturers, 1 Junior Instructor, 1 Pool Officer, 13 Teaching Assistants, 8 Visiting Professors, 10 Visiting Lecturers, 189 Class III and 99 Class IV Servants.

#### ( b ) New Appointments :

- (1) Dr. S. R. Karmakar, Reader in Textile Chemistry
- (2) Shri J. P. Parikh, Lecturer in Applied Mechanics
- (3) Dr. G. I. Prajapati, Lecturer in Applied Mechanics
- (4) Shri M. C. Gandhi, Lecturer in Applied Mechanics

- (5) Dr. S. C. Patodi, Lecturer in Applied Mechanics
- (6) Shri M. C. Shah, Lecturer in Electrical Engineering
- (7) Shri A. I. Trivedi, Lecturer in Electrical Engineering
- (8) Shri S. P. Saxena, Lecturer in Electrical Engineering
- (9) Smt. N. V. Sudhalkar, Lecturer in Electrical Engineering
- (10) Shri S. B. Pathak, Lecturer in Mechanical Engineering
- (11) Shri A. A. Patel, Lecturer in Mechanical Engineering
- (12) Shri H. J. Shukla, Lecturer in Mechanical Engineering
- (13) Shri V. G. Vyas, Lecturer in Business Economics

#### ( c ) Teachers Appointed to Higher posts :

- (1) Dr. G. C. Kothari, Professor of Electrical Engineering
- (2) Shri S. G. Gupte, Reader in Electrical Engineering

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

- |                                                             |          |
|-------------------------------------------------------------|----------|
| (1) Shri S. G. Bhagia, Lecturer in Applied Mechanics        | Resigned |
| (2) Shri H. C. Sikadar, Lecturer in Electrical Engineering  | Resigned |
| (3) Shri D. N. Patel, Lecturer in Mechanical Engineering    | Resigned |
| (4) Shri H. V. Ghotiker, Lecturer in Mechanical Engineering | Resigned |
| (5) Shri M. A. Suthar, Lecturer in Mechanical Engineering   | Resigned |
| (6) Shri D. C. Desai, Lecturer in Textile Engineering       | Resigned |
| (7) Shri K. R. Kirtane, Lecturer in Textile Chemistry       | Resigned |

### 4. Professional Growth of the Staff

#### ( a ) Publication of Articles/Papers :

Sr. No.	Name	Title	Name of the Journal where-in published with month of publication
(1)	Dr. A. V. Shroff and Dr. Piyush Parikh	An appraisal of methods for consolidation co-efficients of clays	Journal of M.S.U. Science Number April, 1978, Vol. XXV and XXVI No. 3
(2)	Dr. G. I. Prajapati, Dr. A. S. Arya and S. K. Thakkar	Earthquake Stresses in gravity dams with light structural system at top	Irrigation and Power Vol. 30, No. 4, October, 1978
(3)	Dr. G. I. Prajapati and Dr. Weingarten	"SAP.6 Problem Verification Manual	SAP users Group University of Southern California 1978

Sr. No.	Name/s	Title	Name of Journal where- in published with month of publication
(4)	Dr. S. C. Patodi and Dr. D. N. Burgohain	Large deflection analysis of skew and Plates by lumped triangular element formula-tion	Computers Structures Journal Vol. 9, 1978
(5)	Shri A. N. Shah and Shri N. S. Patel	Coagulant Aids—A Review	Journal of IWWA Vol. X No. 4, October-December 1978
(6)	Shri R. D. Bhatt, Shri N. B. Parmar and Professor G. B. Sompura	Road Traffic Noise	Indian Highway (I-dian Roads Congress) Publi-cation of October, 1978, pp. 5 to 11.
(7)	Shri N. M. Bhatt	Reduction of Pollution Potent-ial of Distillery Wastes	WHO February, 1977
(8)	Shri S. Misra	"Quantitative Stereology" (in Hindi)	Journal of Engineers (India) 58 (H13) April, 1978—95
(9)	Shri S. Mishra and Shri D. K. Basa	'Aluminium in Human Life'	Nusvaha, (February, 1979)
(10)	Shri A. B. Lele	O.F.H.C. Copper	Metallex 1978 Annual Journal of SMES, Baroda —do—
(11)	Shri D. K. Basa	Some Developments in Moulding and Casting Pra-ctice	
(12)	Dr. K. K. Rao and Shri A. R. Gupta	Characteristics of Tryptophan uptake in Alkaloid Produc-ing Culture of <i>A. fumigatus</i>	Indian Journal Biochemis-try and Biophysics 15, 23, 1978
(13)	Dr. R. V. Joshi, Shri T. R. Joshi and S. Chaudhari	Phosphorescence Decay in Thallium Doped Ammonium Chloride	Z. Naturforsch 1978
(14)	Dr. T. R. Joshi and Dr. C. M. Sunita	Thermoluminescence of Rare-earth ions Doped Lithium Fluoride	B.A.R.C. Report 1978
(15)	Dr. N. H. Shah, Shri N. D. Jadav, and Shri C. B. Upasani	Hydroxy anthracene deriva-tives in aroic dyeing of cotton	The Indian Textile Jour-nal October, 1978

Name	Title	Name of the Journal wherein published with month of publication	
(16) Dr. N. H. Shah and Shri C. B. Upasani	Studies in Reactive Dyes, Part I use of reactive naphthol in azoic dyeing of cotton and wool	Colourage November, 1978	
(17) Dr. N. H. Shah and Shri C. B. Upasani	Studies in Reactive Dyes Part II use of reactive anthralenor in azoic dyeing of cotton and wool	Colourage, 1978	
(18) Dr. N. H. Shah, Shri B. K. Patel and Shri Y. K. Agrawal	Clossypol as a Navimetric reagent for Cu. (II), Co (II), Zi (II) and Zn (II)	Chemical Era March, 1979	
(b) 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 Noor M. Owrya and Prof. S. K. Damle	23rd Congress of Indian So-ciety of Theoretical and Ap-plied Mechanics at Regional Engineering College, Waran-gal, 26 to 29 December, 1978	Ultimate Strength of Deep Reinforced Con-crete, Tee Beams in Shear
(2)	Shri R. D. Bhatt and Prof. O. H. Patel	All India Seminar on New Dimensions in Technical Edu-cation at Hyderabad 16-17 June, 1978	A Case study for evaluat-ing continuing education programme for Engineer-ing College Teachers
(3)	Shri R. D. Bhatt	(i) Seminar on Technology for Agricultural Deve-lopment, April, 1978 (ii) All India Seminar on Stage Construction (in Constructional Manage-ment at Thiagarayar Col-lege of Engineering, Madurai 23-24 March, 1979	Rural Road Construction Technology Stage Construction (in Highway Planning
(4)	Shri H. Y. Geethanath	Aerial Photography applica-tion Seminar in Delhi, Octo-ber 4, 5, 6, 1978	Application of Aerial Sur-veys for C.E. Projects

Sr. No.	Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the Paper presented
(5)	Shri D. T. Shete	8th National Conference on Fluid Mechanics and Fluid Power 1978 PSG College of Technology, Coimbatore, 24th-26th November, 1978	Study of Engineering Losses at Pipe Trifurcations
(6)	Dr. V. L. Gadgeel	At Denver (Col.) U.S.A. 107th Annual Meeting of AIME, March, 1978	Permiation and diffusion of hydrogen in Carbon Steels
(7)	Sarvashri P. J. Roychowdhary, A. B. Lele and Dr. V. Seshadri	32nd ATM of IIM at Bokaro November, 1978	Studies on teaching behaviour of Pre-reduced Shivrajpur Mn-Ore
(8)	Sarvashri P. J. Roychowdhary and Dr. V. Seshadri	International Conference on Advances in Chemical Metallurgy (ICMS-79) at BARC, TROMBAY, January, 1979	Effect of Carbon content on the dissolution characteristics of steel in molten zinc
(9)	Sarvashri P. J. Roychowdhary, and N. S. Sunder Murthi	16th National Metallurgists Day Celebration and Symposium on "Role of Aluminium in Industrial Growth" at Baroda, February, 1979 organised by IIM, Baroda Chapter	Corrossion Behaviour of Aluminium and its Alloys
(10)	Shri N. S. Sundar Murthi and Dr. V. Seshadri	32nd Annual Tech. Meeting of IIM at Bokaro, November, 1978	On Differential Grinding
(11)	Shri N. S. Sundar Murthi and Dr. V. Seshadri	International Conference on Advances in Chemical Metallurgy (ICMS 1979) at BARC, Trombay, January, 1979	Effect of Lime addition on Chromiteore reduction
(12)	Dr. K. K. Rao	19th Annual Conference of Association of Microbiologists of India, Baroda, 9th to 11th November, 1978	(i) Purification and Fractionation of Cellulase Complex from <i>Fusarium</i> sp. (ii) Effect of ergotamine on ergot alkaloids formation in <i>fumigatus</i>

Sr. No.	Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the Paper presented
(13)	Dr. K. K. Rao	U.G.C. Sponsored Conference on "Restructuring of Microbiology Curriculum at undergraduate level", Godhra, 3rd and 4th February, 1979	Syllabus for Microbial Biochemistry and Applied Microbiology
(14)	Dr. R. V. Joshi	National Symposium on "Luminescence and Applied Phenomena", I.I.T., Kharagpur, December, 1978	Thermoluminescence of X-Irradiated NaCl: Sr. Crystals
(15)	Dr. T. R. Joshi	—do—	Thermoluminescence Emission of Pre-Heat-Treated Rate Earth Ions Doped Lithium Chloride
(16)	Dr. T. R. Joshi	Tenth National Conference on Crystallography, Banaras, February, 1979	(i) Kinetics of Chemical Dissolution of Calcite Cleavage (ii) Non-dislocation Dehydration pits on Gypsum Cleavage Faces
(17)	Dr. T. R. Joshi and Dr. R. K. L. Padmini Agrawal	National Seminar on Applications of Acoustics and Ultrasonics, Baroda, December, 1978	(i) Ultrasonics Studies in some Smectic Liquid Crystals (ii) Ultrasonic Velocity Studies in Cholesteric Liquid Crystalline Mixtures
(18)	Dr. R. K. L. Padmini Agrawal	National Seminar on Applications of Acoustics and Ultrasonics, Baroda, from 29-12-1978 to 31-12-1978	(i) Elastic constants of Bi-Polycrystals Containing Sn, Sb, Rb and Te Impurities (ii) Elastic Constants of Lead-Bismuth Alloys (iii) Investigations of Ultrasonic Velocity and related parameters mixtures

Sr. No.	Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the Paper presented
			(iv) Ultrasonic Studies in Cholesteric Liquid Crystals
			(v) Ultrasonic Studies in Liquid Crystalline Mixtures of Cholesteryl myristate of + p-Ethyl Amino Benzoate
(19)	Dr. N. H. Shah	Recent Developments in Applied Analytical Chemistry Institution of Chemists (India), Calcutta, December, 1978	Analytical Techniques for Reactive Dyes

(c) Talks given at different Universities/Institutions :

Sr. No.	Name of the Teacher	University/Institution	Subject of the Lecture
(1)	Prof. S. K. Damle	University of Jodhpur, University Extension Lecture Series	"Finite Element Methods"
(2)	Prof. P. V. Parikh	(i) University of California, U.S.A. (ii) Department of Water and Power, Los Angeles, U.S.A. (iii) Staff Training College, Gandhinagar	(i) "Foundation Problems of Gujarat" (ii) "Recent Development in Experimental Soil Mechanics" (iii) "Few Case Studies on Foundation Engineering"
(3)	Prof. V. S. Thattey	(i) L. D. College of Engineering, Gujarat University, Ahmedabad (ii) Railway Staff College, (Ministry of Railways), Pratapnagar, Baroda	(i) "Mixing Transportation and Placing of concrete" (ii) "Concrete Technology and Mix Design of Concrete"
(4)	Dr. A. V. Shroff	Railway Staff College, Baroda	"Soil Mechanics and Foundation"

Sr. No.	Name of the Teacher	University/Institution	Subject of the Lecture
(5)	Prof. O. H. Patel	All India Institute of Self Governments, Nehru Bhavan, Baroda	"Why Solid Waste Management"
(6)	Prof. P. M. Modi	Staff Training College, Gujarat State, P.W.D. GERI	"Silt Control Works at Head Works"
(7)	Prof. G. B. Sompura	All India Institute of Local-self Government, Baroda	"Construction and Maintenance of Roads"
(8)	Shri N. C. Shah	Staff Training College, P.W.D. Deputy Engineers Batch	(1) "Uniform flow in Open Channels" (2) "Non-Uniform Flow in Open Channels"
(9)	Shri R. D. Bhatt	South Gujarat University, Surat	"Road Safety"
(10)	Shri A. N. Shah	All India Institute of Local Self Government, Nehru Bhavan, Baroda	"Productive Utilization of Solid Waste"
(11)	Shri H. Y. Geethanath	Railway Staff College, Baroda	"Aerial Photo-interpretation—application to Civil Engineering"
(12)	Shri M. M. Ghodke	All India Institute of Local Self Government, Nehru Bhavan, Baroda	"Properties of Solid Waste"
(13)	Shri D. M. Shah	All India Institute of Local Self Government, Nehru Bhavan, Baroda	"Construction and Maintenance of Roads"
(14)	Shri S. G. Shah	I.P.C.L., Baroda	"Computers, Microprocesses"
(15)	Shri A. K. Agrawal	I.P.C.L., Baroda	"Electronics, Microprocesses"
(16)	Shri P. J. Chowdhary	Institution of Engineers (I) Baroda Sub-Centre and Public Health Engineering, February, 1979	"Corrosion Prevention"
(17)	Shri D. K. Basa	Vani Programme of All India Radio, Cuttack, November 28, 1978	"Metallurgical Research in Oriya under Yuva"

Sr. No.	Name of the Teacher	University/Inservice	Subject of the Lecture
(18)	Prof. R. V. Joshi	(i) I.I.T., Kharagpur	"Current understanding of the Luminescence of Thallium Doped Alkali Halides"
		(ii) A.P.S. University, Rewa	"Luminescence in Solids"
		(iii) Indian Physics Association, Baroda Chapter	"Luminescence Mechanism in Phosphorescent Materials"

(d) Participation in Inservice Programme :

Sr. No.	Name of the Teacher	Programme, Place and Date	Capacity in which participated
(1)	Dr. V. L. Gadgeel	(i) Princeton, Newjersey, U.S.A. 15-16 November, 1978	Trainee
		(ii) University of Nebraska, U.S.A. 1-9-1978 to 30-9-1978	Candidate
(2)	Dr. V. N. Misra	Melbourne University, Australia, since June, 1978	Trainee

(e) National Awards :

Name of the Teacher	Description of the Awards :
Shri D. K. Basa, Lecturer in Metallurgical Engineering Department	Awarded Dr. A. K. Basa Memorial Gold Medal by the Indian Institute of Metals Calcutta for his M.E. Thesis entitled "Undirectional Solidification of Binary Eutectic Alloys".

### 5. Training and Placement Activities

(1) Practical Training :

211 students were deputed for practical training during the summer vacation for a period of approximately six weeks to various industrial establishments around Baroda and elsewhere in the country.

From a large number of industries contacted 25 Chemical Industries, 20 Pharmaceutical industries and research/testing laboratories, 12 mechanical engi-

neering industries, 14 Electrical Engineering Industries, 19 Electronics Industries, 17 Metallurgical Engineering based industries and 23 Textile Industries and 5 Civil Engineering establishments offered training facilities.

(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 13 companies visited the Faculty and conducted interviews of 627 students, spread over 28 days.

(b) Advertisements from a large number of companies/organizations/laboratories and educational institutes in respect of their requirements of personnel 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 84 students who qualified and appeared for interview 30 students were considered for recommendation to Services Selection Board.

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

The above courses under the modified pattern continued during the year. This programme has proved successful as far as employment is concerned.

During the year, 3 mechanical and 3 electrical engineering students were admitted to the B.Tech. Degree course under the new modified pattern whereas 2 B.Tech. (Elec.) students entered the final phase of their training.

(4) Guidance :

Students availed themselves of this facility by discussing their employment training and related problems and sought guidance in the matter. Their response has been encouraging.

### 6. Faculty Union Activities

(i) The Faculty secured the highest number of points in the Cultural/Festival—SEASON ALIVE 79 of the M. S. University Union.

(ii) The Faculty won first prizes in Group Song, Classical Dance, Light Vocal Solo, Drama, Group Dance, Light Vocal and Impact.

(iii) Students of the Faculty won prizes in six debate competitions in English, Marathi, Gujarati and Hindi.

(iv) Students also won several prizes in all Fun Competitions like QUIZ, SPIN A YARN, HIJACK and WHAT'S THE GOOD WORD.

(v) The Student's Chapter arranged seminars, lectures, essay/debate competitions, educational film shows and educational cum-sight seeing visits.

(vi) During the year Faculty Screened 52 films on various subjects of educational interest.

#### 7. Library

The reading room of the Library has seating accommodation for 130 readers. Books for references 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 :

Sr.No.	Particulars	Number
(1)	Average No. of students making use of Library and/or reading room daily	980
(2)	Average No. of teachers making use of the Library and/or the reading room daily	300
(3)	Total No. of books issued to students per day	200
(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 :

Sr.No.	Particulars	Number		Cost in Rs.
		Books	Bound Periodicals	
(1)	Books including back numbers of Journals as on 1-4-1978	52,151	7,618	26,92,289
(2)	Books written off during the year	—	—	—
(3)	Books added during the year upto 31-3-1979	2,653	639	5,83,354
(4)	Books as on 31-3-1979	52,151	7,618	32,75,643
(5)	Journals subscribed during the year	200	—	—
(6)	Total amount spent for library and/or reading room during the year	—	—	5,83,354

#### 8. Institute Consultancy Project

The following projects were undertaken as Institute Consultancy Projects :

- (1) System studies for Rajasthan and Punjab State Electricity System. Projects financed by Rajasthan State Electricity Boards and Punjab State Electricity Boards were completed for the Sixth Five Year Plan and were studied for the Seventh Plan.
- (2) The primary short circuit testing for Hindustan Brown Bover, Baroda was carried out as per the requirements of U. P. State Electricity Board.

#### 9. Textile and Allied Industries Research Organisation ( Tairo )

##### (1) Tairo WEB Super Stripper :

Tairo has manufactured 4" diameter Stripper Roller and it is installed in one of the local mills for the last 4 months and the working is found satisfactory.

##### (2) 10" Wide Miniature Card :

Experimental work was carried out with Jute Fibres and its blends for the Jute Technological Research Laboratory, Calcutta, on Tairo 10" Wide Miniature Card and was found satisfactory.

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

Tairo has taken further experimental work with the polyester sliver and other fibres on a single rotor open End Spining Machine. The Scheme was submitted to the Government of India, Ministry of Industry, New Delhi for establishing an experimental station to produce quality yarn on 2 Tairo 20 rotor Open End Spinning Machine and to find out economics for spinning the yarn on Open End Spinning.

##### (4) Amber Charkha :

TAIRO has modified the Amber Charkha; the modified lesson is foot driven instead of hand-driven. The scheme is submitted for improving the Amber Charkha to one of the local industries.

##### (5) Heald Testing Machine :

As per the suggestions of the ISI improvement in the Heald Testing Machine is made.

##### (6) Cone Winding Machine :

TAIRO has designed and developed 4 spindle cone winding machine for winding 100% polyester fibers.

##### (7) Silver Jubilee Research Scheme :

Out of 10 research schemes approved by the Executive Committee the following 3 Schemes are taken on hand and progress is as under :

( i ) TAIRO High Production Ginning Machine with reclaiming attachment. The design and drawing work completed and the scheme is submitted to the ICMF for the financial assistance.

( ii ) Bobbin Stripping Machine : The drawing and design work of the above Scheme is started.

( iii ) Automatic Tension Compensator :—Design and drawing work is started.

( 8 ) *Silver Jubilee Commemoration Volume :*

TAIRO is publishing Silver Jubilee Commemoration Volume "World Textile Machinery Developments". About 2000 machines are included from all over the world in four sections of the book containing 1000 pages.

During the year TAIRO tested various textile materials and gave assistance to the Gujarat Government, G. S. F. C. and other local parties.

( 9 ) *Nylone-6 :*

TAIRO has submitted a Marketing report to the G. S. F. C. for the use of Nylone-6 as Components in Various Textile Machinery.

10. **Visitors**

Name and Designation	Date of Visit
( 1 ) Prof. Lewis Lubka, Associate Professor of Architecture and Planning, North Dakota State University, U. S. A.	17-7-1978 and 18-7-1978
( 2 ) Prof. Lawrence B. Anderson, Dean of M. I. T., U. S. A.	22-2-1979 and 23-2-1979

CHAPTER XIV—FACULTY OF FINE ARTS

1. **Courses of Studies**

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

2. **Number of Students**

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

Year/Class	Men	Women	Total
<b>( a ) Diploma :</b>			
1st Year	30	15	45
2nd Year	19	1	20
3rd Year	24	—	24
4th Year	20	5	25
5th Year	23	—	23
	116	21	137
<b>( b ) Post-Diploma :</b>			
Junior	12	2	14
Senior	12	—	12
	24	2	26
<b>( c ) Degree :</b>			
1st Year	21	11	32
2nd Year	16	8	24
3rd Year	10	8	18
4th Year	7	16	23
5th Year	8	13	21
	62	56	118
<b>( d ) Post-graduate Degree :</b>			
Junior	14	10	24
Senior	24	11	35
	38	21	59
<b>( e ) Ph.D.</b>			
	6	2	8
	44	23	67
<b>Grand Total</b>	<b>246</b>	<b>102</b>	<b>348</b>

In addition to the above there were 6 non-collegiate students, Government scholars, Common-Wealth Scholars and Students from overseas.

### 3. Staff

#### (a) Present Position :

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

(b) Prof. Somnath Hore was appointed as U.G.C. Fellow to teach in the Department of Graphic, Arts, Baroda for a period three months from 11-1-78 to 10-4-78.

### 4. Professional Growth of Staff

#### (a) Published Articles/Books/Brochures :

Name	Title	Journal/Published
(1) Prof. V. H. Bedekar	(1) Training of Security Personnel	Museum Association of India New Delhi.
	(2) Real Objects : their status as message carriers	Studies in Museology Vol. XII-XIII MSU. Baroda.
	(3) Museum Training in India	YOJNA, Special Museum No. March 79 Govt. of India.
(2) Shri G. M. Shaikh	(1) Two decades of Indian Paintings	LINK, 15th Aug. 1978, New Delhi.
	(2) New Contemporaries	MARG, Vol. XXXI No. 2, Bombay.
	(3) Review of "Printed Folklore and Folklore Painters of India, by O. P. Joshi	Times of India, 3rd Sept. 1978, Bombay.
	(4) Personal Interview with Yashodhara Dalmia	Ties of India, Oct. 1, 1978, Bombay.
	(5) K. G. Subramanyan Catalogue of Exhibition	ART HERITAGE Gallery, New Delhi.
(3) Prof. K. G. Subramanyan	(1) Moving Focus (Collection of Essay)	Lalit Kala Academy, New Delhi 1978.
(4) Prof. V. H. Bedekar	"Stylistic approach to Indian Miniature Paintings". (Ph.D. Thesis)	M. S. U. March, 1979

#### (b) Papers presented at All India level Seminars and Conference :

(1) Prof. Ratan Parimoo was invited to participate in the world Congress of International Society for Education through Art (INSEA) held in Adelaide Australia, from 12th Aug. to 19th Aug. 1978. He presented a paper on "Indigenous Culture and the Function of Art Education." and also participated in the Symposium on "Teaching Art Theory and History".

(2) Prof. V. H. Bedekar was invited to participate in the First International Conference on "Automatic Processing of Art Historical data and Documents held in PISA, Italy from 4th to 7th Aug. 1978.

(3) Prof. V. H. Bedekar, Prof. Ratan Parimoo and Shri G. M. Shaikh were invited to read papers at the U.G.C. Seminar on "Ancient Indian Sculptural Studies" held at the Jiyaji University, Gwalior, during Sept. 1978.

(4) Prof. V. H. Bedekar, Prof. Ratan Parimoo and Shri G. M. Shaikh were invited to read papers at the UGC Seminar on "Coomaraswamy and after" held in the Department of Fine Arts, Punjab University in Chandigarh, Nov. 1978.

(5) Prof. V. H. Bedekar was invited to work as Seminar Co-ordinator at the Seminar organised by Museum Association of India, held in New Delhi from 12th to 15th Feb, 1979, on the subject "Museums and Rural community". Dr. R. T. Parikh also participated in the same as a panel speaker.

(6) Shri R. P. Shah was invited to participate in the seminar on "Conservation" organised by Indian Association for the Study of Conservation of Cultural Property, New Delhi.

(7) Shri D. K. Gill was deputed to study the Exhibition Workshop practices at Pilani.

(8) Shri Jyoti Bhatt visited West Germany to receive the Photographic prize at Photokina, World Photo Contest, at Cologne, on the invitation of West German Government and also traveled to Scandinavia and France, during Sept. 1978, along with Smt. Jyotsna Bhatt; Shri Jyoti Bhatt was also invited for photographic documentation of Art works at Kalabhavan, Vishavabharati (Santiniketan.)

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

Teacher	University/Institution	Subject
1. Prof. K. G. Subramanyan	Punjab University Chandigarh	1. Modern Indian Arts in retrospect. 2. State of Arts in Modern India.

Teacher	University/Institution	Subjects
2. Shri V. K. Bhatt	1. Aurobindo Society Baroda	Shri Arbindo's views on Indian Art.
	2. Seminar and Workshop on Art, Culture and Natural History, Baroda Museum and Picture Gallery, Baroda	(i) Appreciation of Indian Music. (ii) Art Historical interpretation of Museum Exhibits.
	3. Dr. Goetz Memorial Symposium, Baroda Museum and Picture Gallery, Baroda.	Dr. Goetz and Art Historical Studies in India.
3. Prof. Ratan Parimoo	1. Dr. Goetz Memorial Symposium, Baroda Museum and Picture Gallery, Baroda	Dr. Goetz and his contribution to studies in Indian Painting.
	2. Symposium on Surdas, 5th centenary, Bharat Kalabhavan Banaras, March, 1978	Kaliya Daman in Indian Painting.
	3. College of Fine Arts, Goa	(i) Two lectures on Indian Paintings. (ii) One lecture on "Renaissance Painting". (iii) One lecture on "Modern Indian Art".
4. Miss Kumud Patel	1. Department of Continuing Adult Education, MSU, Baroda	Director of the course on "Batik on Textiles, June 1978.
	2. Workshop for Art Teachers, Gujarat State Lalit Kala Akademi, Baroda, July, 1978.	Demonstration on Pottery.

## (d) Participation in in-Service Programmes:

- (1) Shri G. M. Sheikh participated in All India Artist's camp, organized by Kerala State Lalit Kala Akademi, at Kasargod, in December, 1978.
  - (2) Shri G. M. Sheikh organised large exhibition of young artists at Jehangir Art Gallery, Bombay called "New Contemporaries," from 8 to 18 September, 1978 for 'MARG' and Indian Society for Art appreciation.
  - (3) Dr. R. T. Parikh was invited to work as a member on the Purchase Committee and Advisory Committee for the Department of Museums, Government of Gujarat. He was also invited by the University Museum Vallabh Vidyanagar to help in its reorganisation.
  - (4) Miss Kumud G. Patel led a group of 11 Artists (Painters) as the Director, organised by Lalit Kala Akademi, Gujarat State, at Mandu for 10 days in October, 1978.
- (e) Exhibitions by Staff Members:
- (1) Prof. K. G. Subramanyan held an exhibition of Terracotta Reliefs, organised by Art Heritage Gallery, New Delhi December, 1978, He also participated in the *Tokyo Biennale of Prints*, March, 1979.
  - (2) Shri Jyoti Bhatt arranged one man show of his *Graphic Prints At Alte. Fabric Zoest, West Germany* and at Contemporary Art Gallery, Ahmedabad.
  - (3) Shri Jyoti Bhatt was awarded prize for photography at *Photokina World Photo-contest, Cologne, W. Germany*, and at the Exhibition of Photographs of Indian Children, DAVP Government of India, New Delhi.
  - (4) Shri Raghav Kaneria was awarded a Prize in Photography at the Exhibition on "Childhood" by Camera Pictorialists of Baroda.
  - (5) Shri V. C. Shah was awarded First Prize for by Painting Gujarat State Lalit Kala Akademi—Ahmedabad.
  - (6) Miss Kumud Patel held an individual show of Paintings, Batik, Potteries, Ceramics and Mural in Terra Cotta, in Baroda October, 1978.
  - (7) Miss Nasreen Mohammedi, Shri Girish Bhatt, Shri V. G. Chitte participated in the National Exhibition, Lalit Kala Akademi, New Delhi.
  - (8) Prof. Ratan Parimoo arranged one man show of his paintings and drawings at the invitation of the contemporary Art Gallery, Ahmedabad.

- (9) Smt. Nilima Sheikh participated in "New Contemporaries" exhibition sponsored by MARG at Bombay.
- (10) Shri Vinay Trivedi executed 20 drawings based a "Krishna Charitra" for marble in Sheshashayji Vishnu Temple. Birlagram, Nagada.
- (11) Shri Mahendra Pandya designed the fountain for the Fateh Gunj University Road crossing which was created by M/s Hindustan Brown Bowary Ltd.

#### 5. Faculty Union Activities

- (1) The Annual Fine Arts Fair was arranged on January, 20th and 21st 1979, after a break of two years. It was dedicated to the International year of the Child.
- (2) The following students won the prizes at the Annual Exhibition arranged by Lalit Kala Akademi, Gujarat State, Ahmedabad.
1. Shri Shailesh Patel (Photography)
  2. Kum. Jayshree Chakravarty (Painting)
  3. Shri Viresh Desai (Painting)
  4. Shri K. S. Patel (Painting)
  5. Shri Dhruv Mistry (Sculpture)
  6. Shri S. V. Deshpande (Sculpture)
  7. Shri Prithpal Ladi (Sculpture)
  8. Kum. Alka Sathe (Sculpture)
- (3) Shri Ranjan Sen Gupta won prize for Sculpture and Kum. Jayshree Charkravarty won the "best entry" medal at the Bombay Art Society Annual Art Exhibition.
- (4) The following exhibitions and Film shows were organised in the Faculty of Fine Arts:
- (a) An exhibition of original Art works done by the old students of the Sir J. J. School of Arts, Bombay, from 1880 to 1930 was held from 29th January 1979 to 1st February 1979 under the joint auspices of the Faculty of Fine Arts, MSU, Baroda and the Directorate of Art, Maharashtra State, Bombay.
- (b) An exhibition of Public Information Graphics in Britain, entitled "Social Communication" representing the works of the well-known designer Mr. Collin Banks, was held on 12th to 14th February 1979, arranged by the British Council, Bombay.

#### 6. Library

##### (a) Books:

The following statement gives the details of the acquisitions of the Library during the year 1978-79:

	Books	Total Value in Rs.
Number at the Beginning of the year	6202	1,28,791-38
Number added during the year	524	47,624-65
Number at the end of the year	6726	1,76,416-03

##### (b) Periodicals:

The total number of periodicals and journals subscribed now stands at 13 and the amount spent for this purpose was Rs. 4041-44.

##### (c) Circulation of Books:

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

(1) Average number of students making use of the Library per day	125
(2) Average number of staff making use of the Library per day	15
(3) Average number of books issued for Home Reading per day	16
(4) Average number of books issued for Reading on premises per day	469
(5) Average number of periodicals issued for reading on premises, per day	167

#### 7. Distinguished Visitors

- (1) Smt. Sarda Mukherji, Honorable Governor of Gujarat.
- (2) Dr. P. C. Chunder, Honourable, Education Minister, Government of India.
- (3) Representatives of Honourable Aga Khan.
- (4) Dr. Stella Kramrisch, Distinguished Art Historian from U.S.A.
- (5) Dr. James Swagenr, Assistant Director, Senior Scientist, Carnegie Museum of Science, Pittsburg U.S.A.
- (6) Dr. (Mrs.) Grace Morley, Permanent Expert, ICOM Regional Agency, New Delhi.
- (7) Shri O. P. Agrawal, Head, National Research Laboratory for the Conservation of Cultural Property, Lucknow.

## CHAPTER XV—FACULTY OF HOME SCIENCE

### 1. Courses of Studies

- (a) The courses of studies remained the same as in the previous year.
- (b) The Home Science Programme is changed to three years from the Four Year Programme. The specialisation in one area of Home Science was introduced from the Second Year extending one year of specialisation to two years.
- (c) The courses of both the B.Sc. and the M.Sc. programs were revised and oriented for laying the foundation for technical and professional courses.
- (d) The Scheme of Evaluation also has been reformed to conform to the recommendations of the U.G.C.
- (e) Many new courses were added in different departments. In Foods and Nutrition, for example following Courses were added :
- (1) M.Sc. in Institution Management and Dietetics.
  - (2) A six months internship and courses in Personnel Management, Community Health, Food Microbiology and Consumer Food Research.
  - (3) At the B.Sc. level 3 new Courses :  
“Nutrition during Growth and Development”, “Community Nutrition” and “Food Analysis” were introduced.
  - (f) Some of the existing courses in the Home Management department were modified and changed.
  - (g) Electives from other departments were included as part of the specialization requirements.
  - (h) The Post-graduate Diploma in Dietetics and the course in Home Science Education and Extension on “Orientation to College Life” were dropped.

### 2. Number of Students

Class	Men	Women	Total
(1) B.Sc. (Home) First Year	—	99	99
Second Year	—	140	140
Third Year	—	185	185
Fourth Year	—	184	184
(2) Junior M.Sc.	—	59	59
(3) Senior M.Sc.	—	51	51
(4) P.G. Diploma in Dietetics	—	23	23
(5) P.G. Diploma in Pre-School Edu.	—	20	20
(6) Ph.D.	1	19	20
Total	1	780	781

### 3. Staff

#### (a) Present Position :

The Staff of the Faculty including Chetan Balwadi consisted of —4 Professors, 7 Readers, 38 Lecturers, 2 Teachers, 18 Class III and 33 Class IV employees.

#### (b) New appointments :

- (1) Prof. (Mrs.) Tara Gopaldas Professor of Foods and Nutrition
- (2) Mrs. Kalindi Nanavaty Lecturer in Foods and Nutrition
- (3) Mrs. Pallavi Mehta Lecturer in Foods and Nutrition
- (4) Miss Shibani Mukherjee Lecturer in Home Management
- (5) Miss Asha Nagwekar Lecturer, Field Supervisor in Education and Extension

#### (c) Teachers appointed to higher posts :

Dr. (Smt.) Veena Mistry Reader in Child Development

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

Mrs. Rajalaxmi Sriram Lecturer in Child Development Resigned

### 4. Professional Growth of the Staff

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

Name	Title	Name of the Journal where- in published with month of Publication
(1) Dr. (Mrs.) Tara Gopaldas	Programme Information and Health Nutrition Education for Supplementary Feeding Programmes	FAO Quaterly Foods and Nutrition : 4 : 1 (1978)
(2) N. Srinivasan, S. Rajgopalan, A. C. Kansara and Tara Gopaldas	Evaluation of the efficiency of the delivery of different levels of health and nutrition services to the young child	Indian Pediatrics XV, pp. 537, July, 1978
(3) Dr. (Miss) S. Gujral, Miss H. Bhumra and M. Swroop	Effects of ginger oleoresin on serum and hepatic cholesterol levels in cholesterol fed rats	Nutrition Reports International 17, 183, 1978

Name	Title	Name of the Journal where- in Published with month of Publication
(4) Dr. (Miss) S. Gujral, M. Puar and N. Ranka	Effectiveness of N-N-Nis-P-Chlorophenyl-3P tolyl glutaric acid diamide (SRC 3605) as a hypocholesterolaemic compound in hypercholesterolaemic female weanling and adult rats	Indian Journal Physiology Pharmacology 22 : 279-284, 1978
(5) Mrs. Parlikar K. R.	Use of special methods of teaching Home Science by Rajasthan Higher Secondary School Teachers	Journal of Education and Psychology June, 1978, Ahmedabad
(6) Miss Chandra Arora and Dr. Veena Mistry	Young Children and their perception of sex linked roles	Vadodara Guidance Association Publication, 1978
(7) Miss Geeta Dhawan and Dr. Veena Mistry	Development of Activities for concepts of size and shape for young children	Quest in Education XV (2), 1978
(8) Miss Meena Mathur and Dr. Veena Mistry	Evaluation of selected picture study books published in India for the age group 4 to 6 years	Indian Educational Review, XII (3), 1978
(9) Dr. (Miss) Jyoti Parikh	(1) Parent participation in the play center for the developmentally handicapped children (2) Play Center for Exceptional Children	News letter, Federation for Welfare of the mentally Retarded Vol. 4, No. 8, August, 1978 —do—
(10) Mrs. Nirmala Misra	Early Childhood Education, Approaches and programs and cognitive Abilities of Children	Balak, IAPE Publication, 1978
(11) Mrs. Purna Mohite	Role of a child Development worker in a clinical set-up	Child Psychiatry Quarterly XII, I, January-March, 1979
(12) Miss Indira Mallya and Miss Jaya Amin	Experiment for Education in Rural participation	Social Welfare, November, 1978. Reprinted in National Labour Institute Bulletin 1978

Name	Title	Name of the Journal where- in Published with month of Publication
(13) Miss Indira Mallya and Miss Jaya Amin	Special play sessions : A Playway method for children with special needs—A case study	Child Psychiatry Quarterly XII, I, January-March, 1979
(14) Miss Indira Mallya and Miss Jaya Amin	Special play sessions : A Play way method for children with special needs—A summary	Haryana Children News Bulletin ICCWI VI, 3, September, 1978

## (b) Published Books :

Author	Title	Name of the Publisher
(1) Dr. (Mrs.) A. Chandra	Introduction to Home Science	Metropolitan Books Co., New Delhi

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

Name of the Teacher	Name, Place and Dates of Conference and Seminars	Title of the paper presented
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## Clothing and Textiles :

- (1) Dr. (Miss) J. A. Singh  
The 14th Biennial Conference of the Home Science Association of India, Nov. 22-25, 1978, Baroda  
Clothing and Textiles Researches conducted according to the needs of the community
- (2) Dr. B. N. Chaulkar  
The 14th Biennial Conference of the Home Science Association of India, November 22-25, 1978, Baroda  
Clothing and Textiles Education geared to the needs of community

## Education and Extension :

- (3) Prof. (Miss) P. S. Chari  
The 14th Biennial Conference of the Home Science Association of India, November 22-25, 1978, Baroda  
Some Critical Factors of Educational Strategies in Home Science Education for the child and the Rural Family

Name of the Teacher	Name, Place and Dates of the Conferences/Seminars	Title of the paper presented
(4) Dr. (Mrs.) A. Chandra	The Workshop on Population Education and Family Welfare in Home Science, November 20, 21, 1978. Faculty of Home Science, Baroda	Home Scientist and Population Education
(5) Mrs. K. R. Parlikar	66th Indian Science Congress held at Hyderabad from 3rd to 7th January, 1979	Use of Science and Technology in Home Science Education

*Foods and Nutrition :*

(6) Dr. (Mrs.) Tara Gopaldas	12th Annual Meeting of the Nutrition Society of India, Chandigarh, 3-4 March, 1979	Nutrition and Health Education (NHE) for our Group Feeding Programmes (GFP) at the Symposium
(7) Dr. (Mrs.) Tara Gopaldas	All India Workshop on the ICDS organised by NIPCCD, New Delhi, April, 1978	The Logistical Delivery and Administration of the Nutrition Component in the ICDS Programme
(8) Dr. (Miss) S. Gujral and J. Rajkumari	Asian Congress of Parasitology, Bombay, June, 1978	Impaired protein biosynthesis and hypoglycemia in liver amoebiasis
(9) Dr. (Miss) S. Gujral, M. Puar and S. Dixit	12th Annual Meeting of the Nutrition Society of India, Chandigarh, 3-4 March, 1979	Lipid profile of hamsters infected with <i>enthomoeba-histolytica</i>

*Child Development :*

(10) Dr. (Miss) T. S. Saraswathi	International Association of Child Psychiatry and Allied Professions—9th International Congress, Melbourne, Australia, August, 1978	Age, Sex and Social Class differences in the Development of moral judgement in Indian Children between 10-15 years
(11) Dr. (Mrs.) Yogini Pathak	Xth international Congress of Anthropological and Ethnological Science, Vigyan Bhavan, New Delhi, December 10-16th 1978	(1) Norms of Physical Growth of Children from 2 to 6 years of age from Urban and rural areas of Gujarat

Name of the Teacher	Name, Place and Dates of the Conferences/Seminars	Title of the paper presented
(2)		An efficient and Economical Device to take some of the Anthropometric measurements
(12) Dr. (Mrs.) Atula Derasari	Xth International Congress of Anthropology and Ethnological Science, Vigyan Bhavan, New Delhi, December 10-16th, 1978	Selected Developmental Anthropometry of Gujarat Infants : A question of Norms
(13) Prof. (Mrs.) Amita Verma	The 14th Biennial Conference of the Home Science Association of India, November 22-25, 1978, Baroda	IYC—Home Science College and HSAI's role. Presidential address on Child Development curriculum for Rural Development
(14) Prof. (Mrs.) Amita Verma	Director, Seminar on Population Education and Family Welfare in Home Science Colleges, Baroda, November 20-21, 1978	Key note address
(15) Prof. (Mrs.) Amita Verma	I.A.P.E. Conference, Kurukshetra, September 24th-26th, 1978	Pre-School Education in Australia
(16) Dr. (Miss) T. S. Saraswathi	Socialization of the Indian Child, University of Allahabad, March, 27-28, 1979	Techniques for the study of child socialization
(17) Mrs. Prerna Mohite	Emotionally Disturbed Children, Faculty of Social Work, Baroda, February 26, 1979	Concept of a Normal Child
(18) Miss Indira Mallya	Home Science Forum of the Indian Science Congress Association, Osmania University, Hyderabad, January 3-7, 1979	(1) Field Work Training : A Practical Approach to Child Health and Nutrition (2) Involvement of Youth for Community Development

Name of the Teacher	Name, Place and Dates of the Conferences/Seminars	Title of the paper presented
(19) Dr. (Mrs.) Yogini Pathak	Home Science Forum of the Indian Science Congress Association, Osmania University, Hyderabad, January 3-7, 1979	The Role of Home Science (including Nutrition) in guiding rural communities to make the best of the available resources
(20) Miss Jaya Amin and Miss Indira Mallya	The 14th Biennial Conference of the Home Science Association of India, Nov. 22-25, 1978 Baroda,	Village participation in the training program of pre-school teachers: A strategy for the upliftment of the rural child and family

*Home Management :*

(21) Dr. (Miss) Nalini Ogale	The 14th Biennial Conference of the Home Science Association of India, Baroda 22nd-25th November, 1978	Trends in Research in Home Management
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*(d) Talks given at different Universities/Institutions :*

Name of the Teacher	University/Institution	Subject of the Lecture
<i>Child Development :</i>		
(1) Prof. (Mrs.) Amita Verma	(1) Leadership Training Camp for Volunteer Workers B.C.C.	International Year of the Child
	(2) The Maharashtra Vigyan Parishad	Problems of Preschool Education
	(3) The Navrachana School Parent Education Program	How to handle problems of Early Childhood
(2) Dr. T. S. Saraswathi	Allahabad University U.G.C. Visiting Professor Scheme, March 29, 1979	Methodological Problems in the Study of moral Socialization
(3) Dr. Jyoti Parikh	S.N.D.T. University, Bombay, March, 1979	Management of Child in the Classroom
(4) Mrs. Purna Mohite	I.P.C.L. School, December, 1978	Playway Method of Pre-school Education

Name of the Teacher	University/Institution	Subject of the Lecture
(5) Dr. (Mrs.) Yogini Pathak	Gujarat Agricultural University, February 24, 1979	Story-telling and Puppet-making
(6) Mrs. Aruna Dave	Gujarat Agricultural University, February 24, 1979	Story-telling and Puppet making

*(e) Participation in Inservice Programme :*

Name of the Teacher	Programme, Place and Date	Capacity in which participated
<i>Foods and Nutrition :</i>		
(1) Dr. (Mrs.) Tara Gopaldas	Training of Supervisors for the All India ICDS, at V.T.K. Institute	Expert lecturer in Nutrition throughout the year (1978-79)
(2) Mrs. Kalindi Nanavaty	Inservice course in Methodology of Teaching for fresh and newly appointed lecturers at CASE, 12th to 26th October, 1978	Participated as a newly appointed lecturer in the training programme
(3) Miss Harjinder Bhumra	Certificate course in Hotel Management and Catering, Faculty of Home Science, Ist October to 14th January, 1979	Participated as a guest lecturer
(4) Miss Surekha Mallya	—do—	—do—
(5) Mrs. Ninaz Ankleshwaria	—do—	—do—

*Child Development :*

(6) Prof. (Mrs.) Amita Verma	World Council Meeting of L' OMEP ( World Organization for Pre-school Education—Melbourne, International Seminar on "Realities of the Declaration of Rights of the Child".)	Representative of India
(7) Dr. (Mrs.) Atula Derasari	Post-plenary session on Technological factors and Cultural Dynamics, Ahmedabad, 19-26 December, 1978	Delegate

Name of the Teacher	Programme, Place and Date	Capacity in which participated
(8) Prof. (Mrs.) Amita Verma	(a) Annual Conference of the All India Association for Pre-school Education, Kurukshetra, Haryana, September, 24-28, 1978	Invitee/Delegate
	(b) Women Partners in Progress, Ahmedabad, February 25th, 1979	Invitee
	(c) S.I.E., Ahmedabad, September 18th, 22nd, 23rd, 1978	Invitee
	(d) I.Y.C. Marathi Vigyan Parishad, Baroda	Panel Member
	(e) Theosophical Society Seminar	Invitee
(9) Dr. (Miss) T. S. Saraswathi	(a) 66th Session of the Indian Science Congress, Hyderabad (A.P.), January 3-7, 1979	Observer
	(b) The Child in India, India International Center, New Delhi, March 22-24, 1979	Invitee
(10) Miss Kiran Parekh	(a) S.I.E., Ahmedabad, September 18th, 22nd, 23rd, 1978	Invitee
	(b) Lalitkala Academy Seminar, Baroda, July 7th, 1978	Invitee
(11) Mrs. Parul Dave	(a) Seminar/Workshop on Population Education Family Welfare and Quality of Life Concepts in Home Science College Curricula, November, 21-22, 1978	Recorder
	(b) Socialization of the Indian Child, Allahabad, March 27-28, 1979	Observer

Name of the Teacher	Programme, Place and Date	Capacity in which participated
(12) Dr. Jyoti Parikh	(a) National Plans and Programs for the Mentally Retarded, B.M. Institute, Ahmedabad, August 13, 1978	Delegate
	(b) Seminar/Workshop on Population Education, Family Welfare and Quality of Life Concepts in Home Science College Curricula, November 21-22, 1978	Committee Member
	(c) All India Women's Conference, Gujarat State, Godhra, November, 1978	Resource Person
(13) Mrs. Nirmala Misra	(a) S.I.E., Ahmedabad, September 18th, 22nd, 23rd, 1978	Invitee
	(b) Seminar/Workshop on Population Education Family Welfare and Quality of Family Life Concepts in Home Science College Curricula, November 21-22, 1978	Recorder
(14) Mrs. Prerna Mohite	Seminar/Workshop on Population Education Family Welfare and Quality of Family Life Concepts in Home Science College Curricula, November 21-22, 1978	Recorder
(15) Miss Indira Mallya	(a) Seminar/Workshop on Population Education, Family Welfare and Quality of Life Concepts in Home Science College Curricula, November 21-22, 1978	Committee Member

Name of the Teacher	Programme, Place and Date	Capacity in which participated
	(b) Our Young Children and their Learning Tools, Sophia College, Bombay, March 30-31, April 1st, 1979	Participant
(16) Dr. (Mrs.) Yogini Pathak	(a) Seminar/Workshop on Population Education, and Family Welfare and Quality of Life Concepts in Home Science College Curricula, November 21-22, 1978	Participant
	(b) XIVth Biennial Conference of the Home Science Association of India, Baroda, 22-25 November, 1978	Delegate
(17) Miss Jaya Amin	Seminar/Workshop on Population Education, Family Welfare and Quality of Life Concepts in Home Science College Curricula November 21-22, 1978	Delegate
(18) Mrs. Aruna Dave	(a) S.I.E., Ahmedabad, September 18th, 22nd, 23rd, 1978	Resource Person
	(b) National Workshop on low cost simple play materials and games for children, NCERT, New Delhi, October 3-7, 1978	Delegate
(19) Mrs. Kshama Safaya	Munich Functional Diagnostics, Bombay, J. J. Group of Hospitals, December, 1978	Delegate
(20) Mrs. Veena Gandotra	Adult Education Programme of Employees' Wives of Jyoti Ltd.	Lecture on "Management of Family Resources"

Name of the Teacher	Programme, Place and Dates	Capacity in which participated
(21) Miss Shibani Mukherjee	Safety Week of Gujarat Safety Council/Akhil Hind Mahila Parishad Hall, Rajmahal Road, Baroda, 1st March, 1979	Lecture on "Safety in the Homes"
(22) Mrs. Asha Dass and Mr. B. Barbhैया	Akhil Hind Mahila Parishad Hall, Rajmahal Road, 1st March, 1979	Arranged Exhibition on "Safety Measures in Homes"

### 5. Faculty Union Activities

- (1) The students participated in various debates and bagged quite a few prizes.
- (2) The Fun Fair was held on the 10th and 11th February, 1979 and the Faculty Cultural Programme on the 10th and 11th March, 1979.
- (3) The students participated in the University's Cultural Programme and won several prizes.
- (4) The farewell function of the Faculty was on the 24th March, 1979.

### Faculty Publications

Dioptric	Miss Anita Mahajan Miss Sadhana Adhikary	1978-79
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### 7. Visitors

Name and Designation	Dates of the Visit
(1) Dr. (Miss) Pushpita John, Professor and Head of Education Department, Kerala under U.G.C. Scheme	September, 1978
(2) Dr. Silverberger, Anthropologist from the University of Medison, Wisconsin, U.S.A.	September 1978
(3) Dr. Madhuriben Shah, Vice-Chancellor, S.N.D.T. University	9-2-1979
(4) Dr. Corriune Hutt from the University of Keele, Department of Psychology	September 14-22, 1978

## CHAPTER XVI—FACULTY OF SOCIAL WORK

### 1. Courses of Studies

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

### 2. Number of Students

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

Sr.No.	Class	Men	Women	Total
(1)	Master of Social Work—Junior	28	13	41
(2)	Master of Social Work—Senior	29	17	46
(3)	Post-graduate Diploma in Industrial Relations and Personnel Management	12	2	14
	Total	69	32	101

### 3. Staff

#### (a) Present Position:

The staff of the Faculty consisted of 1 Professor, 2 Readers, 6 Lecturers, 2 Temporary Teaching Assistants, 1 Part-time Teacher, 9 Class III and 7 Class IV employees.

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

Name	Designation	Reason
(1) Miss Rekha Mukherjee	Reader	Resigned

### 4. Professional Growth of the Staff

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

Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the paper presented
(1) Dr. S. R. Yardi	All India Conference on 'New Horizons in correction and Science of creative intelligence' at Sagar on March -3, 4, 1979	"Yoga and Transcendental Meditation in correction".

Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the Paper presented
(2) Shri I. P. Shelat	Seminar on "Youth and Development organised by Association of School of Social Work in India at Institute of Social Work, Kalamerry from 12 to 15 September, 1978	"NSS and School of Social Work".
(3) Smt. V. N. Anjaria	(i) Regional Conference on "Safety" organised by Inspectorate of Government of Gujarat and National Safety Council on 3-4-1978 (ii) Seminar of Mahila Mandal Executive of Baroda organised by Gujarat Safety Council on 1-3-1979 (iii) Training Camp on Co-operation and Development at Kosindra organised by Vadodara Jilla Samaj Kalyan Mandal on 29-3-1979	"Home Safety". "Safety in reference to women and children." "Preventive and Rules of Women."
(4) Shri A. S. Navale	(i) Seminar on "Youth and Development organised by Association of School of Social Work in India at Institute of Social Work, Kalamerry from 12 to 15 September, 1978 (ii) Seminar on problem of children organised by Marathi Vignan Parishad Baroda at Medical College on 18-3-1979	"NSS Programme at M. S. University of Baroda". "Child Labour Problem".

## (b) Participation in Inservice Programme:

Sr. No.	Name of the Teacher	Programme, Place and Date	Capacity in which participated
(1)	Dr. S. R. Yardi	(i) Creative writers workshop at the Department of Family and Child Welfare, Tata Institute of Social Science, Bombay from 10 to 14th April, 1978	Participant.
		(ii) Seminar on "Rural Development Factors on the Weakest" of the people Action for Development, Ministry of Education and Irrigation, Delhi from 26th to 30th April, 1978	Participant.
		(iii) Seminar on "Youth and Development organised by Association of Schools of Social Work in India at Institute of Social Work, Kalam-serry from 12 to 15 Sept., 1978	Sectional Head of the Session.
		(iv) Seminar on Field Work of the Association of School of Social Work in India at Institute of Social Work, Madurai from 23 to 28 October, 1978	Participant.
		(v) National Seminar on Integrated Rural Development and Social Work Education sponsored by Association of School of Social Work at the Faculty of Social work from 16 to 19 December, 1978	Co-Director.
		(vi) Workshop on Block Development Planning organised by Government of Gujarat on 24-1-1979	Participant
(2)	Shri S. B. Saxena	(i) A Talk given to UCD Project Officers on "Supervisor" on 15-7-1978 at UCD Project Surat	Participant
		(ii) Seminar on "Importance of Urban Community Development Program" on 21-9-1978 in Dabhoi Urban Community Project and	Participant.

Sr. No.	Name of the Teacher	Programme, Place and Date	Capacity in which participated
		Dabhoi Municipality. The topic of the talk was 'concept and historical background of U.C.D.'	
		(iii) Seminar on "Field Work" organised by Association of School of Social Work in India, Institute of Social Work, Madurai from 23 to 28 October, 1978	Chairman for Workshop No. 3.
		(iv) National Seminar on "Integrated Rural Development and Social Work Education organised by Association of School of Social Work in India at Faculty of Social Work, Baroda from 16th to 19th December, 1978	Participant.
		(3) Shri A. S. Navale	(i) Seminar on "Role of Youth in National Development" organised by NIRD, Hyderabad from 20 to 26 June, 1978
		(ii) Seminar on NSS Program in Gujarat organised by Gujarat University at Visvamanglam, Anera, Himatnagar on 9-8-1978	Participant.
		(iii) Seminar on Integrated Rural Development and Social Work Education organised by Association of School of Social Work in India at the Faculty of Social Work from 16 to 19 December, 1978	Participant.
		(iv) Workshop on Role of Business Community in Rural Development organised by Federation of Indian Chamber of Commerce, New Delhi and Federation of Gujarat Mills and Industries, Baroda on 24-3-1979	Participant.
		(v) Workshop on Block Level Planning organised by Government of Gujarat on 24-1-1979	Participant.

**5. Library**

An amount of Rs. 20,000/- allocated to this Library from the U.G.C. Grant for the purchase of Books for Vth Year Plan period is fully utilized.

The University has sanctioned a grant of Rs. 2,000/- for subscription of periodicals. The amount is fully utilized.

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

	Books includ- ing bound periodicals	Pamphlets	Total value in Rs.
(1) Number at the beginning of the year	9277	2525	114646-09
(2) Number added during the year	359	—	22436-67
Total	9636	2525	1,37,082-76

**Periodicals:**

The total number of periodicals subscribed by the Library was 27.

**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 Saturdays.

The following figures show the statistics of the Library:

(1) Daily average number of readers visiting the library	90
(2) Average number of Books issued for Home reading	125
(3) Average number of teachers visiting the library	12
(4) Average number of Books issued per day for reference	115

**6. Visitors**

Sr.No.	Name of the Visitor	Date of Visit
(1)	Dr. Corriune Hutt, British specialist in Child Development and Early Childhood Education	20- 9-1978
(2)	Smt. Rhoda Mistry, Minister for Tourism, Public Libraries, Women and Child Welfare, Hyderabad	23- 9-1978
(3)	Shri Natwarlal Thakkar, Director, Gandhi Ashram, Nagaland	6-10-1978
(4)	Shri Dinesh Shah, Minister of Finance, Gujarat State, Gandhinager	16-12-1978

Sr. No.	Name of the Visitor	Date of Visit
(5)	Shri Ramanbhai Patel, Mayor, Baroda Municipal Corporation	16-12-1978
(6)	Sanyasini (Pari Vrajika), Atma Prana of Sharda Math Calcutta	5- 1-1979
(7)	Dada Dharmadhikari, Sarvodaya Worker	12- 1-1979
(8)	Swami Adhyatmanandji of Shivanand Ashram of Divine Life Society	12- 2-1979
(9)	Prof. Hrushekesh Maru, Indian Institute of Management, Ahmedabad	14- 2-1979
(10)	Mr. S. M. Mathur, I.R.T.S., Bombay	21- 2-1979
(11)	Dr. Arthur Robbins, Prof. of Psychiatry, University of Missoure, Columbia, U.S.A.	26- 2-1979

**7. Important Events**

(1) Urban Community Development 6th Training Course for Urban Community Organizers was organised from 15th June to 26th July, 1978 sponsored and financed by Directorate of Municipality, Government of Gujarat, Ahmedabad. Basic concepts, problems, and various methods of Urban Community Development were covered for 28 Trainees.

(2) Study on the "Impact of Prohibition" in Chhani, Karachia and Chhotaudepur area of Baroda District: The objective of the study was to find out the impact of prohibition on an individual and on the community as a whole. The final report is recently submitted to the Government of Gujarat.

(3) Block Development Project: Dr. S. R. Yardi and Mr. Anil Navale have been appointed as members in Block Development Planning Committee for Jabugam Taluka.

(4) The Seminar on Integrated Rural Development and Social Work Education was held from December 16th to 19th, 1978 in the Faculty premises. Seventeen schools were represented by forty-four social work Teachers in the three day workshop sessions. Case studies on social work curricula, field work pattenen and methods of training were discussed. The workshop was a joint ventur by The Association of School of Social Work in India and the Faculty of Social Work, M. S. University of Baroda.

(5) A Seminar on "Emotional Problems of Children" was organised by this Faculty on 26th February, 1979. Talks on (i) "Concept of a Normal

Child", (ii) "Emotional Problems-Psychological aspects, (iii) "Treatment of Psychiatric illness in Children" and (iv) Preventive programmes were given.

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

#### 1. Courses of Studies and Number of Students:

The Institute conducted two types of Inservice Training Programme—Social Welfare and Panchayati Raj.

Type of Course	Duration	Admitted Women	Completed Women
(1) Orientation course for Instructor's of Training (Aujanwadi) Centre	10 days (from 1-4-1978 to 10-4-1978)	2	2
(2) Ist ICDS Orientation course for Supervisors	13 weeks (from 17-7-1978 to 14-10-1978)	27	27
(3) Orientation course for Instructors for A. wadi Training Centre	3 days (from 26-7-1978 to 28-7-1978)	1	1
(4) IInd ICDS Orientation course for Supervisors	13 weeks (from 6-11-1978 to 3-2-1979)	8	8
(5) IIIrd ICDS Orientation course for Supervisors	13 weeks (from 19-2-1979 to 19-5-1979)	6	6
		<u>44</u>	<u>44</u>

#### Panchayati Raj Training

Type of Course	Duration	Admitted Men	Completed Men
(1) Orientation course for V. P. Secretaries	21 days (4 groups)	158	158
(2) Institutional course for Non-Officers of village Panchayat (Adiwasi)	7 days (1 group)	24	24
(3) Institutional course for Non-Officers of Vilage Panchayat (Harijans)	7 days (1 group)	22	22
(4) Basic Course for Secretaries	6 months	40	40
		<u>244</u>	<u>244</u>

### 2. Training:

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

### 3. Activities:

- (1) Teachers attended Field work to 8 villages Gram Panchayats viz. Ranoli, Padmala, Por, Varnama, Itola, Kashipura, Sakarda and Dashratak.
- (2) All teachers for PRTC visited Karnali Camp with V. P. Secretaries in Basic Course from 24-10-1978 to 26-0-1978. Pandya and Mr. A. M. Gheewala and Mr. A. H. Pandya attended the National Conference for Adult Education at Coimbatore.
- (3) Creativity workshop was organised at V.T.K. Institute.
- (4) Functional Literacy Workshop was organised. 30 persons Participated in both the Workshops.

### 4. Visitors:

Name	Designation	Date
(i) Shri Bhukhari	District Development Officer	16-12-1978
(ii) Dr. Gore	Dean, School of Social Work, Madras	—
(iii) Mr. Chopra	Secretary, Central Social Welfare Board, New Delhi	—

### 9. Child Guidance Clinic

Faculty of Social Work and Indian Council of Social Welfare established a Child Guidance Clinic in 1973 with a view to provide field work training to students and services to emotionally disturbed children. The help of a team of experts including psychiatrist, clinical psychologist and social worker, so far 250 children have been treated.

CHAPTER XVII—FACULTY OF LAW

1. Courses of Studies

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

2. Number of Students

Class	Men	Women	Total
<b>(1) Degree Courses :</b>			
(a) 1st Semester of LL.B. Course	516	57	573
(b) 3rd Semester of LL.B. Course	271	27	298
(c) 5th Semester of LL.B. Course	115	10	125
<b>Total :</b>	<b>902</b>	<b>94</b>	<b>996</b>
<b>(2) Post-Graduate Diploma :</b>			
(a) D.T.P.	128	25	153
(b) D.L.P.	123	11	134
<b>Total :</b>	<b>251</b>	<b>36</b>	<b>287</b>
<b>(3) Post-graduate Degree :</b>			
(a) LL.M. Part I	52	5	57
(b) LL.M. Part II	7	2	9
<b>Total :</b>	<b>59</b>	<b>7</b>	<b>66</b>
<b>(4) Ph.D.</b>			
	1	—	1
<b>Grand Total :</b>	<b>1213</b>	<b>137</b>	<b>1350</b>

3. Staff

During the year, the staff consisted of 1 Professor, 1 Reader, 7 Lecturers, 11 Part-time Professors, 2 Visiting Professors, 1 Teaching Assistant, 5 Class III and 4 Class IV employees.

4. Professional Growth of the Staff

(a) Published Articles/Papers :

Name	Title	Journal wherein published with month of publication
(1) Professor H. C. Dholakia	(i) Constitutional Amendments : Continuous Process	Journal of the Bar Council of India, October, 1978
	(ii) Freedom of the Press : Emergency and Thereafter	Indian Journal of Legal Studies, February, 1979

Name	Title	Journal wherein published with month of publication
	(iii) Rethinking on Emergency Provisions	Journal of the Constitutional and Parliamentary Studies, June, 1978
	(iv) Habeas Corpus Case : A Critique	Indian Law Review, March, 1979
	(v) Legal Aid Clinic	Kurukshetra Law Journal December, 1978
	(vi) Laws, Delays	Gujarat Law Reporter, November, 1978

(b) 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
	Professor H. C. Dholakia	(i) All India Seminar at Gujarat University, May, 1978	Laws' Delays
		(ii) All India Seminar on Personal Liberty under the Constitution, at Kurukshetra University	Personal Liberty during Emergency
		(iii) All India Seminar on Law and Social Change at Lucknow University March, 1979	Protective Discrimination

(c) Participation in Inservice Programme :

Name of the Teacher	Programme, Place and Date	Capacity in which participated
Professor H. C. Dholakia	(i) The U.G.C. Workshop on Research Methodology in Law for the Western India Region, May, 1978, Ahmedabad	Expert
	(ii) All India Seminar at Gujarat University, May, 1978	Chairman of Session on Laws' Delays
	(iii) All India Seminar on Indian Judicial System at Udaipur University—October 1978	Participant
	(iv) The International Indo-Soviet Seminar on International Law at New Delhi, December, 1978	Member of the Indian Delegation
	(v) All India Seminar on Legal Aid at New Delhi, February, 1979	Participant

### 5. The Visitors who also delivered lectures at the Faculty of Law

Sr. No.	Name	Subject
(1)	Mr. Justice S. Rangarajan, Chairman of the Monopolies Commission, Government of India	Role of Law in the Modern Society
(2)	Professor B. M. Shukla, Director, School of Law, Gujarat University, Ahmedabad	Pure Theory of Law
(3)	Principal P. R. Desai, Dean, Faculty of Law, Gujarat University, Ahmedabad	Standard Form Contracts
(4)	Principal D. B. Naik, Navyug Law College, Surat	Jurisprudence
(5)	Shri Navinchandra Barot, Minister for Law, Government of Gujarat	Study of Law

### CHAPTER XVIII—ORIENTAL INSTITUTE

1. The main work of the Institute is research and publication of important unpublished works on all subjects related to Indology. In the year 1949, when the Institution was taken over by the University, it had 109 volumes in the Gaekwad's Oriental Series and 516 other books. At the close of the year of report the number of publications stood at 166 in the Gaekwad's Oriental Series and 616 other books. Two works were reprinted in the Gaekwad's Oriental Series during the year.

The publications are under the following Series :

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

Moreover the following two Quarterly 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 M. A. students in Sanskrit.

#### 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) Publication of Books :

Sr. No.	Author's name	Title	Published by
1	2	3	4
(1)	Shri N. N. Shah	(1) Index to Journal of the Oriental Institute, Vols. I-XXV (1951-76) (M. S. University Oriental Series No. 13)	Oriental Institute, M. S. University, Baroda, December, 1948

## (b) Published Articles P. pers :

Sr. No.	Name	Title	Name of the Journal wherein published with month of Publication
1	2	3	4
(1)	Professor A. N. Jani	(i) भगवती त्रिपुरा (ii) गुलाबराव महाराज (iii) गरवानी व्युत्पत्ति अने रहस्य (iv) मेघदूतने यक्ष	नारेखरनो नाद May, 1978 नारेखरनो नाद July, 1978 'Svadyaya' Vol. 16 No. 1, Dinotsavi issue, November, 1978 नवभारती दीपोत्सवी अंक November, 1978
(2)	Shri J. P. Thaker	(i) The Gunamandaramanjari-An Akyayika by Ranganatha (ii) Review on : षडदर्शन (प्रथम खण्ड) सांख्ययोग (iii) षडदर्शन (खण्ड २) न्याय वैशेषिक (iv) Sad-darsana (first-khanda) Sankya-Yoga	'Journal of the Oriental Institute' Vol, 28. No. 1, September, 1978. 'Svadyaya' Vol. 16 No 1 Dipotsavi issue, November, 1978. 'Svadyaya' Vol. 16, No. 2 Vasant-Panchami issue, February, 1979. 'Journal of the Oriental Institute' Vol. 28, No. 1, September, 1978.
(3)	Dr. B. N. Bhatt	Axioms : How far they have won lasting value for the Valmiki Ramayana	'Journal of the Oriental Institute', Vol. 28, No. 1, September, 1978.
(4)	Shri P. H. Joshi	(i) Select Contents of Oriental Journals (ii) -do-	'Journal of the Oriental Institute', Vol. 7 Nos. 3-4 March-June, 1978 issue 'Journal of the Oriental Institute' Vol. 28, Nos 1-2, September December, 1978.
(5)	Shri B. P. Pandhya	Some Remarks on the Title Nandi-Purana	'Journal of the Oriental Institute' Vol 28, No 1, September, 1978 issue

Sr. No.	Name	Title	Name of the Journal wherein published with month of publication
1	2	3	4
(6)	Shri S. Y. Wakankar	(i) Kautilyacharya Art-hasastratila Nyaya (ii) Sanskrit Sahityatila Nititattve-Bhartrhari-che Satakatraya	'Dharmabhaskara' July, 1978 issue 'Jnanaduta' Divali 1978 issue
(7)	Dr. M. M. Pathak	(i) वसिष्ठ-अरुन्धती-एक सांस्कृतिक अध्यायन (ii) अहल्या प्रसंग-एक विवरणात्मक नवीन दृष्टिकोण (iii) वात्स्यायन अने तेमनुं कामसूत्र-एक अध्यायन (iv) षष्ठीदेवी-एक उपासनात्मक अने तत्त्वविषयक अध्यायन (v) Daksa yajna Vidhvasa episode in Puranas—A comparative study	'Svadyaya' Vol. 16 No. 2, Vasant-Panchami issue, February, 1979 'Svadyaya' Vol. 15, No. 3 Akshyatritiya issue, May, 1978 'Svadyaya' Vol. 16 No. 1, Dipotsavi issue. November, 1978 फाबिस समा त्रैमासिक Vol. 43, No. 3, July-September, 1978 'Purana' Vol. XX, No. 2, Banaras, July, 1978
(8)	Shri N. N. Shah	(i) Index to Journal of the Oriental Institute; Vols. I-XXV : Review Miscellaneous and Illustration Index' (ii) विनय समुद्र वाचक-कृत आराम शोभा यथार्थ (iii) do (iv) श्रीमद् राजचंद्रजीनु गद्य	'Journal of the Oriental Institute', Vol, 27, Nos. 3-4, March-June, 1978 issue 'Svadyaya' Vol. 15, No. 3 Akshyatritiya issue. May, 1978 'Svadyaya' Vol. 15 No. 4 Janmastami issue, August, 1978 'Svadyaya' Vol. 16 No. 2, Vasant-Panchami issue February, 1979

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

Sr. No.	Name of the Teacher	University Institution	Subject of the Talk
(1)	Dr. A. N. Jani	(1) Max Mueller Bhavan, Bombay-12-9-1978	'Yantras in Tantric Art in the light of the theory of Archetypes, by C. J. Jong'
		(2) Max Mueller Bhavan, Bombay-14-9-1978	'Shri Yantram: Its arrangement and significance'
		(3) Max Mueller Bhavan, Poona-15-9-1978	'Yantras in Tantric Art in the light of the theory of Archetypes, by C. J. Jong'
		(4) Relayed from AIR, Baroda-20-11-1978	A Radio Play on 'Vivah' in Sanskrit
		(5) S.N.D.T. University, Bombay-10-1-1979 and 11-1-1979	(i) Siva Purana (ii) Srimad Bhagavata
		(6) Bharatiya Vidya Bhavan, Bombay 21-2-1979	The Bhagvata
		(7) Bharatiya Vidya Bhavan, Bombay 22-2-1979	The Syamantakamani: A Critical and Comparative Study (Dr. A.D. Pusalkar Memorial Lecture)

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

Sr. No	Name	Name, Place and Dates of the Conference	Title of the paper presented
(1)	Professor A. N. Jani	All India Oriental Conference held at Poona from June, 1,2,3, 1978	Garvoktis of Jagannatha
(2)	Shri J. P. Thaker	-do-	Gunamandaramanjari of Ranganatha
(3)	Shri B.P. Pandya	-do-	Some Ramarks on the title-Nandi Purana

## (c) Participation in Inservice Programme :

Sr. No.	Name	Programme, Place and Date	Capacity in which Participated
(1)	Professor A. N. Jani	(1) Conference on Veda and Science organised by Maharshi Mahesh Yogi Institute, Hrishikesh	Participant
		(2) Sanskrit Sammelan organised by Arya Kanya Gurukul, Porbandar, on 2-12-1978	President
		(3) Classical Sanskrit Section and Philosophy Section of the 6th Session of the Gujarat State, University and College Sanskrit Teachers Association at Nareshwar, on 31-12-1978	President
		(4) Bhasa as a Dramatist in the Bhasa Seminar, organised by St. Xavier's College, Ahmedabad, on 20-1-1979	Participant
		(5) One Session in the Seminar on the Vallabha Panchasatabdi organised by Lunavada Arts College, Lunavada on 4-2-1979	President
		(6) (1) "The Social Life depicted in the Dasakumaracarita ( Chaps. 6 to 8 )" and (2) "The process of relishing Rasa according to the Dasarupaka" in the post-graduate Sanskrit Department of Sardar Patel University, Vallabh Vidyanagar, on 26th and 27th February, 1979	Visiting Professor
		(7) Attended the All India Seminar on Theories of meaning organised by the Department of Sanskrit and Centre of Advanced Study in Sanskrit of the University of Poona, Poona from 17-3-1979 to 20-3-1979 and delivered a talk on the meaning of the Mahavakya Tattvamasi according to Vedanta.	

### 5. Manuscripts Section

The Section has a collection of 26,168 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 78 were added during the year out of which one was purchased and 77 were received as gift from (1) Govardhandas Ranchhodaji Modi, Baroda (2) Ramakrishna Vivekananda Kendra, Baroda (3) Shri K. M. Shukla, Shehera, Dist. Panchamahals, and (4) Ullasarama Dalsukharam Pandya, Baroda.

During the year, 6 manuscripts were lent out to other Institutions, 18 to local scholars and 190 were issued for work on the premises of the Institute, while 2 manuscripts were borrowed from outside.

### 6. Printed Books Section

The Institute has a well-equipped library having a collection of 38,692 books.

#### (A) Books :

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

The University Grants Commission has sanctioned a grant of Rs. 15,000/- for purchase of books to be spent within 3 years (1976 to 1979). An additional amount of Rs. 20,000 for purchasing books was sanctioned by U.G.C. for the current year. All the grants were fully utilized.

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	37,600	3,91,810 = 19
Number added during the year	1,092	27,501 = 83
Total	38,692	4,19,312 = 02

Out of the total number of books added during the year, 754 were purchased at the cost of Rs. 27,501 = 83 P. and 338 books were received as gift and/or on exchange basis.

#### (B) Periodicals :

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

A special grant of Rs. 2,000/- was received from the Director of Languages, Government of Gujarat, for purchase of books in Sindhi, Urdu and other modern languages (other than Hindi and Gujarati) and Gujarati translations from any of these languages for Institute's Library.

### 7. Publications

#### Gaekwad's Oriental Series :

- (i) Parasuramakalpasutra — by Late Shri Sakarlal Dave Shastri  
(GOS No. 22)  
(IInd revised edition Reprinted)
- (ii) Prachina Gurjara-Kavya-Samgraha Part I (GOS No. 13)  
(Reprinted)

### 8. Translation Branch

The following works are printed during the year :

- (1) Shri Sayaji Sahityamala :
- (i) चरकनो स्वाध्याय भाग २ — by Shri Bapalal G. Vaidya
- (ii) \* धर्मवर्णन — by Anandshankar Dhruv  
\*(Published as a stray publication of the University by Oriental Institute)
- (2) Shri Sayaji Gramavikasamala :  
आपनो डेरीउद्योग — by Shri Shivabhai J. Patel

### 9. Vishnupurana Project

The work of the project is under progress.

### 10. Journal of the Oriental Institute

During the year Nos. 3 and 4 of Vol. 27 and Nos. 1-2 of Vol. 28 were published.

### 11. Gujarati Journal 'Svadhyaaya'

During the year, Nos. 3 and 4 of Vol. 15 and Nos. 1 and 2 of Vol. 16 were published.

### 12. Visitors

Sr. No.	Name and designation	Date of Visit
(1)	Shri Navinchandra M. Barot, Minister for Labour, Urban Development, Town Planning, Municipal Bodies, Law and Accommodation, Govt. of Gujarat, Gandhinagar	8-7-1978
(2)	Mr. Walter Leifer, Consul for Cultural Affairs, C/o. Consulate, Federal of the Federal Republic of Germany, Germany	25-11-1978

Sr. No.	Name and designation	Date of Visit
(3)	Dr. Pratap Chandra Chunder, Minister of Education and Social Welfare, Govt. of India, New Delhi	16-12-1978
(4)	Dr. M. D. Balasubramanyam, Principal, Kendriya Sanskrit Vidyapeeth, Tirupati	29-12-1978
(5)	Dr. S. B. Warnekar, Professor and Head, Department of Sanskrit, Nagpur University, Nagpur	4-1-1979
(6)	Dr. George Michell, Architect, Aarp Journal, 102 St. Paul's Road, London	8-1-1979
(7)	Dr. Rudolf Von Leyden, Neuwal-Deggerstrasse, Stiege 312, Wien, Vienna 1170, Austria	10-1-1979
(8)	Swami Harinamananda Sandeepany Sadhanalaya, Powai Park Drive, Bombay-72	18-1-1979
(9)	Mr. Shrinivas Rath, Pradhyapaka, Vikram University, Ujjain	6-2-1979
(10)	Mr. Wesuer F. Neustu, Assistant, Fur Alten Stadt, Park 39, D 4630, Bodum-1	7-3-1979
(11)	Dr. Petes Schreiner, Wiss. Ass., Sem Fur Judologie, Munegasse 30, 74 Tubingen, West Germany	7-3-1979
(12)	Mr. Yagdatt Chaudhary, Retd. Senior T.I.A. EQ Calcutta	20-3-1979
(13)	Mr. Supria Mukherjee, Research Scholar, 73 BLD Denis, Cowbevoie	22-3-1979

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

### 1. Courses of Studies

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

### 2. Number of Students

Year/Class	Men	Women	Total
<b>(a) Diploma Courses</b>			
1st Year	241	117	358
2nd Year	85	89	174
3rd Year	55	73	128
4th Year	39	40	79
5th Year	27	28	55
<b>Total</b>	<b>447</b>	<b>347</b>	<b>794</b>
<b>(b) Degree Courses</b>			
1st Year	10	15	25
2nd Year	9	10	19
3rd Year	14	8	22
4th Year	11	10	21
<b>Total</b>	<b>44</b>	<b>43</b>	<b>87</b>
<b>(c) Post-graduate Degree Courses :</b>			
Junior	2	6	8
Senior	2	1	3
<b>Total</b>	<b>4</b>	<b>7</b>	<b>11</b>
<b>(d) Ph.D.</b>			
	5	2	7
<b>Grand Total</b>	<b>500</b>	<b>399</b>	<b>899</b>

### 3. Staff

#### (a) Present Position :

The staff of the College consisted of 1 Hon. Professor, 1 Reader, 27 Lecturers, 5 Tabla Accompanists, 1 Teacher in Mridangam and 9 Class III and II Class IV employees.

## (b) Teachers who left the University :

(1) Shri R. C. Mehta Professor of Music	Retired
(2) Shri S. O. Shukla Reader in Music	Retired
(3) Late Smt. Anjali S. Merh—Reader in Dance	Expired
(4) Shri K. J. Shah, Lecturer in Music	Retired

## 4. Faculty Union Activities

- (1) Vocal Classical Programme was arranged on 5-1-1979 by Kum. Shubhadaben L. Desai
- (2) A Condolence meeting was held to mourn the sad and sudden demise of Smt. Anjali S. Merh on 12th February, 1979
- (3) Annual Day celebrations were arranged from 3-3-1979 to 7-3-1979. A Play Vocal, Instrumental and Dance variety programmes, and four Gujarati Plays were staged.

## 5. Library

The College Library remained 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 the number of books issued to them are as under :

	Number
(1) Average daily number of students making use of Library and/or reading-room	92
(2) Average daily number of teachers making use of Library and/or reading-room	27
(3) Total number of books issued to students during the year	4524
(4) Total number of books issued to teachers during the year	2312

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

	Number	Cost in Rs.
(1) Books (including back number of journals) as on 1-4-1978	8240	77,848-94
(2) Books written off during the year	—	—
(3) Books added during the year	763	17,856-21
(4) Books as on 31-3-1979	9003	95,705-15
(5) Journals subscribed during the year	23	—
(6) Amount spent on binding during the year	—	166-90
	—	1,91,577-20

## 6. Visitors

Name and Designation	Date of the Visit	Subject
(1) Shri Purushottam Upadhyaya, Bombay	16-7-1978	Lecture/Demonstration on Music
(2) Shri Arvind Dighe	23-8-1978	Sitar Demonstration
(3) Shri Shamim Ahmadali, Bombay	30-9-1978	Lecture/Demonstration on Sitar
(4) Shri Raojibhai Desai, Ahmedabad	9-10-1978	Lecture on Music
(5) Shri Mukund Goswami	14-10-1978	Lecture/Demonstration on Classical Music
(6) Shri Dnyandeo Nadkarni, Bombay	20- 1-1979	Relevance of Folk Theatre
(7) Shri K. K. Shastri, Ahmedabad	31- 1-1979	Rasalila in Vallabha Tradition
(8) Shri Babubhai Andharia, Rajkot	15- 2-1979	Lecture/Demonstration on Classical Music
(9) Shri Dhananjay Thakkar, Ahmedabad	16- 2-1979	Lecture/Demonstration on Drama
(10) Shri A. R. Krishna, Hyderabad	22- 2-1979	Theatre on Telugu/Tamil and Kannad
	23- 2-1979	

## CHAPTER XX—BARODA SANSKRIT MAHAVIDYALAYA

## 1. Courses of Studies

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

(ii) This year, a special course in the orientation of the Methodology of teaching various traditional disciplines of Sanskrit learning has been started. This course is of about one month's duration.

## 2. Number of Students

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

Course	Men	Women	Total
<b>(1) Pratham Kaksha (Certificate) :</b>			
1st Year	28	—	28
2nd Year	18	—	18
3rd Year	11	1	12
<b>Total</b>	<b>57</b>	<b>1</b>	<b>58</b>
<b>(2) Madhyam Kaksha (Visharad) :</b>			
<b>(i) Vyakaran Shastra</b>			
1st Year	10	1	11
2nd Year	01	—	01
3rd Year	01	—	01
4th Year	01	—	01
5th Year	—	1	—
<b>Total</b>	<b>13</b>	<b>2</b>	<b>15</b>
<b>(ii) Jyotish Shastra</b>			
1st Year	18	—	18
2nd Year	05	—	05
3rd Year	03	—	03
4th Year	—	—	—
5th Year	6	—	6
<b>Total</b>	<b>33</b>	<b>—</b>	<b>33</b>

Course	Men	Women	Total
<b>(3) Uttam Kaksha (Shastri) :</b>			
<b>(i) Vyakaran Shastra</b>			
1st Year	—	—	—
2nd Year	1	—	1
<b>(ii) Jyotish Shastra</b>			
1st Year	1	—	1
2nd Year	—	—	—
<b>(iii) Dharma Shastra</b>			
1st Year	1	—	1
2nd Year	1	—	1
<b>(iv) Sahitya Shastra</b>			
1st Year	—	—	—
2nd Year	2	—	2
<b>Total</b>	<b>6</b>	<b>—</b>	<b>6</b>
<b>(4) Uttam Kaksha (Acharya) :</b>			
<b>(i) Vyakaran Shastra</b>			
1st Year	1	—	1
2nd Year	—	—	—
<b>(ii) Jyotish Shastra</b>			
1st Year	1	—	1
2nd Year	—	—	—
<b>(iii) Dharma Shastra</b>			
1st Year	1	—	1
2nd Year	—	—	—
<b>(iv) Sahitya Shastra</b>			
1st Year	1	1	2
2nd Year	2	—	2
<b>Total</b>	<b>6</b>	<b>1</b>	<b>7</b>
<b>(5) Vachaspati</b>			
	1	—	1
<b>(6) Veda Branches :</b>			
Samaveda	5	—	5
Shukla Yajurveda	18	—	18
Rigveda	8	—	8
Atharvaveda	4	—	4
Krishna Yajurveda	3	—	3
<b>Total</b>	<b>38</b>	<b>—</b>	<b>38</b>
<b>Grand total</b>	<b>154</b>	<b>4</b>	<b>158</b>

## Evening Part-time Students :

	I-Semester			II-Semester		
	Men	Women	Total	Men	Women	Total
(1) Geeta Class (Children Section)	1	16	27	3	1	4
(2) Geeta Class (Adult Section)	6	17	23	3	1	4
(3) General Jyotish	34	8	42	12	3	15
(4) General Palmistry	28	13	41	15	3	18
(5) Rigveda	6	—	6	5	—	5
(6) Samaveda	—	—	—	2	—	2
(7) Yajurved Yajniki	24	—	24	18	—	18
(8) Shiksha Patri	7	7	14	4	1	5
(9) Atharvaveda	—	—	—	—	—	—
<b>Total</b>	<b>116</b>	<b>61</b>	<b>177</b>	<b>62</b>	<b>9</b>	<b>71</b>

## 3. Staff

## (a) Present Position :

During the year the staff of the institution consisted of the Principal, 2 Pradhyapakas, 3 Teaching Assistants, 2 Part-time Teachers (Pandit), 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. Shirgaonker | Part-time teacher in Vyakaran Shastra |
| (iii) Shri A. S. Pathak     | Teacher in Shukla Yajurved Yajniki    |
| (iv) Shri L. K. Godse       | Guru in Shukla Yajurveda              |
| (v) Shri M. H. Oza          | Guru in Samaveda                      |
| (vi) Shri L. M. Ghule       | Guru in Atharvaveda                   |
| (vii) Shri G. B. Marathe    | Guru in Rigveda                       |

## (c) Teachers who give voluntary services to the Institution in the Part-time evening classes :

- |                        |                                    |
|------------------------|------------------------------------|
| (i) Dr. J. J. Mody     | for Shiksha Patri's Class          |
| (ii) Shri Aniruddh     | for Geeta Class (Children Section) |
| (iii) Shri U. N. Joshi | for General Ayurveda class         |

## 4. Professional Growth of the Staff

## (a) Published Articles/Papers :

Name	Title	Name of the Journal wherein published with month of publication.
(1) Dr. P. K. Dongre	(i) सभादकीयम् ।	सुर भारती—Annual issue of 1978-79

Name	Title	Name of the Journal where-in published with month of Publication.
(ii) दशरथ निधनम् ।		सुरभारती—Annual issue (of 1978-79)
(iii) Yajurveda		Veda Puran Saurabha (M. S. University Silver Jubilee Publication April, 1979)
(iv) Historical Traditions of Vedashastra learning of Baroda City		'Maymarathi' Brihan Maharashtra Parishad held at Baroda organized by New Delhi Branch.
(v) Cultural Education and Character building through Sanskrit learning		Silver Jubilee issue Municipal School Board, Baroda, 1978
(2) Pandit Vinayak Prakashker	(i) महावैयाकरणो भट्टइरिस्वदीयं चतुर्थं तत्त्वज्ञानम् । (ii) श्री केशव भट्ट गणेश भट्ट डोंगरे महोदयानां परीचयः ।	'सुरभारती' Annual Issue, 1978-1979.
(3) Pandit P. S. Shukla	(i) लिङ्ग-विचारः । (ii) श्री महादेव रघुनाथ जोषी महोदयानां परीचयः ।	'सुरभारती' Annual Issue, 1978-1979
(4) Dr. J. R. Pathak	(i) यमयमीयुक्त विचारः । (ii) Shiva Puran	— do — Veda Puran Saurabha (M. S. University Silver Jubilee Publication 28-4-1979)
(5) Shri R. M. Shastri	सिद्धे शब्दार्थसम्बन्धे । (शास्त्रार्थः)	Surabharati, Annual Issue, 1978-1979
(6) Shri B. J. Joshi	(i) श्री वराहमिहिराचार्यणां छन्दाः शास्त्र नैपुण्यम् । (ii) श्री महादेव प्रसाद चिमनलाल जानी महोदयानां परीचयः ।	Surabharati, Annual Issue, 1978-1979 — do —
(7) Shri M. V. Kotulker and Shri A. S. Pathak	श्री म. स. विश्वविद्यालयस्य-सेतर प्रवृत्तयो ।	Surabharati, Annual Issue, 1978-1979

Name	Title	Name of the Journal wherein published with month of publication
(8) Shri M. V. Kotulker and Shri A. S. Pathak	अमिनन्दनम् ।	Surabharati, Annual Issue, 1978-1979
(9) Shri V. B. Prakashker	(i) Samarpanam (Poem)	Veda Puran Saurabha (M. S. University Silver Jubilee Publication 28-4-1979)
	(ii) Shree Ganesh Puran	—do—
	(iii) श्री गणेशोपासकेनोपरिचय	“भाय मराठी” पृश्नभंडाराष्ट्र परिषद अधिवेशन वडोदरा. मुख्य केन्द्र नवी दिल्ली द्वारा आयोजित
	(iv) आभये' अडेहे	सहर

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

Name of the Teacher	Name, place and dates of the Conference / Seminar	Title of the paper presented
(1) Dr. P. K. Dongre	National Seminar of Management and change, NCERT, New Delhi, on November 1978.	Systems Approach in Education Administration.

## (c) Participation in inservice programme

Name of the Teacher	Programme, place and dates	Capacity in which participant
(1) Dr. P. K. Dongre	All India veda Conference, Ambaji, Jan. 1979	(1) Resource person and judge in Krishna Yajurveda (2) 2 lectures: Importance of Vedic learning under Traditional approach.
(2) Dr. J. R. Pathak	Shibir, at Ubharat, Surat, conducted by the Yoga Society, Baroda from 15-11-78 to 19-11-78.	Participant

Name of the Teacher	Programme place and dates	Capacity in which participant
(3) Shri V. B. Prakashker	The Gujarat State University and College Sanskrit Teachers Association Session from 30-12-1978 to 1-1-1979 at Nareshwar.	Participant

## (d) Extenson Lectures

Sr. No.	Lecture	Subject	Date
(1)	Dr. P. K. Dongre	व्यास जयन्ती	20-7-1978
(2)	Dr. J. R. Pathak	मासस्यो वैशुष्यम	Aug. 1978
(3)	Shri B. J. Joshi	श्री ब्राह्मिहिराचार्यः	Jan. 1979

5. Extra Curricular Activities

(1) The Sanskrit Day was celebrated on 22-8-1978.

(2) The Human Rights Day and United Nations Day were celebrated on 20-12-1978.

(3) Antyakshari Cometition was held on 16-2-1979.

(4) Elocution competition in Sanskrit was arranged on 20-2-1979, for the award of the Medal of Sharada Peeth Jagadguru Shankracharya Shri Abhinaya Sachidanand Tirthaji Maharaj of Dwarka.

(5) Opening ceremony of 'Surabharati', the Annual Journal of Sanskrit Mahavidyalaya was held on 16-2-1979.

(6) The Annual day was celebrated on 23-3-1979.

## 6. Publications

The Sixteenth 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

Sr. No.	Particulars	Number
(2)	Average number of teachers making use 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	5,498	Rs. 23,795 = 18
(2)	Books added during the year (with UGC Grants & Gift)	515	Rs. 7,960 = 44
(3)	Books as on 31-3-1979	6,013	Rs. 31,755 = 62
(4)	Total amount spent for Library and/or Reading Room during the year	—	Rs. 7,960 = 44

## 8. Visitors :

Sr. No.	Name and designation	Date of the Visit
(1)	Dr. M. D. Balasubrahmanyam, Principal, Kendriya Sanskrit Vidyapeeth, Tirupati, (A. P.)	28-12-1978
(2)	Swami Shri Adhyatmanandji, Divya Jivan Society, Rhishikesh.	15-2-1979 and 16-2-1979
(3)	Shri Dharmadhikari, Poona.	3-3-1979

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

## 1. Courses of Studies

The courses of studies remained the same as in the previous year except that the Preparatory Courses in Arts and Commerce were discontinued during the year.

## 2. Number of Students

Sr.No.	Year/Class	Men	Women	Total
(1)	F.Y.B.A.	44	28	72
(2)	S.Y.B.A.	60	16	76
(3)	T.Y.B.A.	45	23	68
Total		149	67	216
(4)	F.Y.B.Com.	253	36	289
(5)	S.Y.B.Com.	227	32	259
(6)	T.Y.B.Com.	174	19	193
Total		654	87	741
Grand Total		803	154	957

## 3. Staff

## (a) Present Position:

During the year, the staff of the College consisted of One Principal, One Teacher Supervisor, Nineteen Lecturers, 1 Part-time Lecturer, 1 Physical Instructor, Thirteen Class III and 10 Class IV employees.

## (b) New Appointments:

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

(c) Shri R. V. Makwana, Laboratory Assistant at Shri M. K. Amin Arts and Science College and College of Commerce, Padra expired on 4-10-1978.

## 4. Professional Growth of the Staff

## (a) Published Books:

Name of the Author	Name of the Book	Name of the publisher month of publication
Dr. R. D. Pathak	Balakona Mataji	Shri Rambhai Nathabhai Trust Ahmedabad, in December, 1978.

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

Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the paper presented
Dr. R. D. Pathak	Seminar—Department of Hindi, Gujarat University, on 30th and 31st March, 1979	"Sur-Panch Shati"

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

Name of the Teacher	University/Institution	Subject of the Talk
Dr. R. D. Pathak	Sardar Patel University, Vallabh- Vidyanagar on 23rd March, 1979	(i) World Peace, (ii) Integral Yoga

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

Name of the Teacher	Programme, Place and Date/s	Capacity in which participated
Dr. R. D. Pathak	Problems of Modern Education and their solution in light of Shri Aurobindo's Philosophy, South Gujarat University, Surat on 27th and 28th December, 1978	Participant.

## 5. Faculty Union Activities

- (1) Two Debates were held during the year.
- (2) A Musical Evening and A Garba Programme was organised during the year.
- (3) This year an Educational Tour to Nepal and a pleasure trip to Pava-gadh were organised wherein 22 students participated.
- (4) The students participated in N.S.S. Camp held at Kaprali and Sokhada, in the University Youth Festival taking part in Drama/Group-Dance and Light Music, and in Cricket, Hockey, Carrom, Badminton, Table Tennis, Chess and Cycle Race.
- (5) Nine students donated blood this year.

## 6. College Library

The College has a separate Library. It received a grant of Rs. 5,000/- for the purchase of books from U.G.C. books grant, Rs. 20,000/- IInd Priority U.G.C. grant for 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.

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	275
(2) Average number of teachers making use of the Library and/or the Reading Room daily	15
(3) Total number of books issued to students during the year	21,548
(4) Total number of books issued to teachers during the year	3,655

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 on 1-4-1978)	9,065	1,22,442-71
(2)	Books written off during the year	Nil	Nil
(3)	Books added during the year	1,004	23,216-85
(4)	Books as on 31-3-1979	10,069	1,45,659-56
(5)	Journals subscribed during the year	75	2,497-00
(6)	Amount spent on binding during the year	—	446-60
(7)	Total amount spent for Library and/or Reading Room during the year	—	26,160-45

## 7. Visitors

Name	Designation	Date
Dr. A. S. Nagar	Director, School of Languages, Gujarat University, Ahmedabad	26th February, 1979.

## CHAPTER XXII—POLYTECHNIC

### 1. Courses of Studies

- (a) The courses of studies remained the same as in the previous year.  
 (b) During the year under report, Semester-System has been adopted for the Diploma Courses in Civil, Mechanical and Electrical Engineering and the Courses are now run on par with the Courses run by the Director of Technical Education, Gujarat State.

### 2. Number of Students

#### (a) Regular Diploma Courses :

	Men	Women	Total
(1) Civil Engineering	358	1	359
(2) Mechanical Engineering	700	—	700
(3) Electrical Engineering	320	1	321
(4) Production Engineering	70	—	70
(5) Industrial Electronics	64	—	64
<b>Total</b>	<b>1512</b>	<b>2</b>	<b>1514</b>

#### (b) State (Extended) Diploma Courses :

(1) Civil Engineering	90	—	90
(2) Mechanical Engineering	242	1	243
(3) Electrical Engineering	151	—	151
<b>Total</b>	<b>483</b>	<b>1</b>	<b>484</b>

#### (c) Model Diploma Courses in Petro-Chemical Technology :

(1) Combined Courses	94	1	95
(2) Technology of Processing of Oil and Gas	22	—	22
(3) Technology of Production of Synthetic Resins and Plastics	29	—	29
(4) Technology of Production of Fertilizers and Acids	22	—	22
<b>Total</b>	<b>167</b>	<b>1</b>	<b>168</b>

(d) (1) Post-Diploma in Refrigeration and Airconditioning	10	—	10
<b>Grand Total</b>	<b>2172</b>	<b>4</b>	<b>2176</b>

### 3. Staff

#### (a) Present Position :

The staff of the Polytechnic as on 31-3-1979 consisted of 1 Principal, 5 Readers, 77 Lecturers, 2 Senior Instructors, 74 Class III and 61 Class IV employees.

#### (b) Teachers who left :

Sr.No.	Name of the Teacher	Designation	Reason for leaving
(1)	Dr. M. R. Panchal	Principal	Transferred
(2)	Shri S. A. Itwala	Lecturer in Mathematics	Transferred
(3)	Shri D. P. Mukhijani	Lecturer in Electrical Engineering	Retired

Shri M. C. Shah, Lecturer in Electrical Engineering and Shri A. A. Patel, Lecturer in Mechanical Engineering were selected as Lecturers in the Faculty of Technology and Engineering.

### 4. Professional Growth of the Staff

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

Name	Title	Name of the Journal, wherein published
(1) Shri K. Ethirajulu	Reclamations of Spent quenching oils	Chemical Age of India, October, 1978
(2) Shri A.G. Telpande	(i) Reclamations of spent quenching oils	Chemical Age of India, October, 1978
	(ii) For High Thermal Resistant Polymers Oxidise Durene in vapour phase	Chemical Engineering World, September, 1978
	(iii) Catalytic Oxidation of Heavy Aromatics	—do— December, 1978

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

Name of the Teacher	Name, Place and Dates of the Conference/Seminar	Title of the Paper presented
Shri A. G. Telpande	ISTE Annual Convention, New-Delhi, January, 1978	Role of Technical Institutions in Rural Developments

(c) Participation in Inservice Programme :

Sr. No.	Name of the Teacher	Programme, Place and Date	Capacity in which Participated
(1)	Shri A. G. Telpande	QIP Industrial Training, Gujarat Refinery, 17-4-1978 to 5-5-1978	Teacher Trainee
(2)	Shri K. T. Oza	QIP Industrial Training, IFFCO, Kalol, April 1978 to June, 1978	do
(3)	Shri N. M. Surana	QIP Industrial Training, RCF, Bombay, April 1978 to June 1978	do
(4)	Shri R. J. Shah	QIP Industrial Training, Jawahar-nagar, April 1978 to June 1978	do
(5)	Shri K. Ethirajulu	QIP Short-term Course on Cate-lytic, Reaction Engineering, at I.I.Sc., Bangalore 6-11-1978 to 18-11-1978	do
(6)	Shri K. Ethirajulu	Short-term course on Edu-cational Management conducted T.T.T.I., Bhopal, 5-2-1979 to 10-2-1979	do

5. Faculty Union Activities

The Students Association carried out the usual activities—Participation in Youth Festival, Indoor and Out-door games, Celebration of Polytechnic Day etc.

6. Library

(a) Books :

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

	Books including bound periodicals	Total value in Rs.
(1) Number at the beginning of the year	17,453	3,06,442-10
(2) Number added during the year	729	19,999-21
(3) Number withdrawn from the record	—	—
(4) Number remaining at the end	18,182	3,26,441-31

(b) Periodicals :

The total amount spent for the subscription of 43 periodicals was Rs. 5,423-46 and the amount spent for binding was Rs. 1,088-90.

(c) Circulation of Books etc. :

The working hours of the Library are from 8-00 a.m. to 8-00 p.m., while for the month of May and June they are from 11-00 a.m. to 5-30 p.m. The Statistics for the use of the Library are given below :

(1) Average number of readers making use of the Library per day	342
(2) Average number of books issued for Home Reading per day	90
(3) Average number of books issued for Reading Room per day	48
(4) Total number of students registered	1,493

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

1. Programmes

The Centre conducted the following courses during the year 1978-79:

(A) Post-Graduate Certificate Courses (One year)	Men	Women	Total
(1) I.P.M.M.	142	3	147
(2) Marketing Management	67	1	68
(3) Product Engineering	25	—	25
(4) Industrial Engineering	53	2	55
(5) Hotel and Catering Management	12	9	21
(6) English Improvement	5	5	10
(7) Gujarati for Professionals	4	4	8

(B) Short-term and Summer Courses

(1) Interior Decoration	38	3	41
(2) Light Music and Choral Music	19	40	59
(3) Food Preservation	6	37	43
(4) Food Adulteration	3	12	15
(5) Law of Civil rights Commercial and Insurance	47	—	47
(6) Batik on Textile and Dress Making for babies	—	59	59
(7) Fancy Cookery	3	18	21
(8) Traditional Embroidery	—	19	19
(9) New Mathematics for parents	5	7	12
(10) Adult Education			280

(C) The Centre introduced the following new courses this year:

- (1) Research Methodology
- (2) Industrial Management
- (3) Gujarati for beginners
- (4) Hindi for beginners
- (5) English Improvement
- (6) Law related to Tax, Co-operative, Consumer Protection
- (7) Course in Sanitation
- (8) Meal Planning with low cost
- (9) Pre. and Post-Natal Child Care

(D) Future Focus:

- (1) Population Education
- (2) Health Education

- (3) Handicraft
- (4) First Aid and Home Nursing
- (5) Course for Electronics
- (6) Course for Computer Science
- (7) One year Certificate Course in Home Science
- (8) Business Management

2. Staff

- (a) The Centre has one Professor, three Teaching Assistants, three Class III and one class IV employees on its staff. In addition to this, 65 part-time teachers were also engaged in the year 1978-79.
- (b) Teachers appointed to higher posts.  
Dr. M. Chakravorty Professor 13-12-1978

3. Professional Growth of the Staff

(a) Publication:

Name of the Publication	Author	Published by
(1) "A Working Model of Adult Education for Village in India"	Dr. M. Chakravorty	M. S. University of Baroda.

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

Teacher	Name, Place and Dates of the Conference/Seminar
(1) Dr. (Miss) M. Chakravorty	(i) A Seminar on Orientation and Planning Programme of Adult Education, Bombay. From: 6th May to 11th May, 1978. (ii) 31st All India Adult Education Conference held at Coimbatore, T. N. From: 5-7-1978 to 7-7-1978. (iii) National Seminar on Stock Taking on Preparatory work N.A.E.P. Held at Jaipur. From: 17-10-1978 to 20-10-1978. (iv) Biennial Conference of All India Home Science held at Faculty of Home Science, Baroda. From: 20-11-1978 to 25-11-1978. (v) Annual Seminar and General Body meeting of IUACE held at Patiala—Punjabi University. From: 10th March, 1979 to 25th March, 1979.
(2) Mr. Vanraj Zala	All-India Conference of stock taking for N.A.E.P. held at Jaipur from 17-10-1978 to 20-10-1978.
(3) Mr. A. K. Mekwan	The Orientation Training for Supervisors (N.A.E.P.) conducted by the State Resources Centre, Gujarat Vidyapith, Ahmedabad from 17th November, 1978 to 30th November, 1978.

## 4. Visitors

Name and Designation	Date/s of the Visit
(1) Dr. A. K. Jalalluddin, Director New Delhi	January, 1979.
(2) U.G.C. Team	5th February, 1979.
(3) Dr. S. J. Rooth, Director, Adult/Continuing Education University of New England, Armidale, N.S.W. 2351	15th March, 1979.

## CHAPTER XXIV-SHRIMATI HANSA MEHTA LIBRARY

## 1. Order Section

## (1) Books

The grant of Rs. 20,00,000 for purchase of Books and Journals released by the University Grants Commission in March 1978 as the IInd priority grant of the Fifth Five Year Plan is almost utilized.

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

Institution	Number of Books
( i ) Smt. Hansa Mehta Library ( which includes books for the Faculties of Arts, Science, Education and Psychology, Commerce, Law, Home Science and the Centre for Continuing/Adult Education and Community Services ).	21,728
( ii ) Faculty of Technology and Engineering.	2,653
( iii ) Faculty of Fine Arts	524
( iv ) Faculty of Social Work	359
( v ) College of Indian Music, Dance and Dramatics.	763
( vi ) Oriental Institute ( Printed Section )	1,092
( vii ) Polytechnic.	729
( viii ) Sanskrit Mahavidyalaya	515
( ix ) Centre of Advanced Study in Education.	628
( x ) M. K. Amin Arts and Science College & College of Commerce, Padra.	1,004

Grand Total : 29,995

Out of these, 1085 books were received as gift.

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

	Books	Bound Vols. of Periodicals	Manuscripts	Maps, Charts, etc.	Total value in Rs.
( i ) Number at the beginning of the year	2,86,622	42,176	248	1117	76,99,411-26
( ii ) Number added during the year	21,728	1,978	—	10	19,35,489-71
( iii ) Number withdrawn from the records	—	—	—	—	—
( iv ) Number remaining at the end of the year	3,08,350	44,154	248	1127	96,34,900-97

(2) *Periodicals* :

The total number of periodicals and scholarly journals subscribed to was 840 and 1978 Volumes of bound periodicals were added to the stock.

2. **Cataloguing Section.**

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

## (A) Books classified and catalogued :

(a) New accessions to University Library	21,728
(b) New accessions to the Faculty Libraries	8,267

Total : 29,995

(c) Bound periodicals catalogued and classified. 1,978

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

	For University Library	For Faculty Libraries	Total
(i) Cards typed	65,184	41,335	1,06,519
(ii) Cards filed in the catalogue	65,184	41,335	1,06,519

3. **Circulation Section**

As usual the working hours of the Library for the whole academic year i.e. from April, 1978 to March, 1979 (except in the months of June, July and August) were from 8-00 a.m. to 10-00 p.m. The Library was kept open on almost all Sundays and holidays during the year. In the months of June, July and August 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.

As Sir Sayajirao Memorial Trust Library (New Library) started functioning and was kept open for readers' services, the Central Hall Reading Room of Baroda College Building and the Cellar of the General Education Building were closed down.

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

(i) Post-graduate students	2271
(ii) Under-graduate students	6185
(iii) Research Scholars	163
(iv) University Teachers	553
(v) Others	128

Total : 9300

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

(i) Daily average number of readers visiting the Library	2500
(ii) Daily average number of readers visiting the new Library	1600
(iii) Total number of books issued per day for reading	1347
(a) Average number of books issued per day for home reading from General Collection	253
(b) Average number of books issued per day from curricular Collection	176
(c) Average number of books issued per day for reference from Stacks	607
(d) Average number of books issued per day from Curricular Collection of the New Library	311
(iv) Average number of books issued per reader in the year	42

4. **Reference Section**(1) *Reference Service to Readers* :

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

(2) *Orientation Programme* :

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

(3) *Exhibitions* :

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

(a) *Special Exhibitions* :

- (i) Examinations, (ii) Schedule Castes & Tribes, (iii) Cricket  
(iv) Shri Chakravarti Rajagopalchari and (v) Children's Literature.

(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.

- (1) Examination Education (ii) Cricket (iii) Geo-Science  
(iv) Library Science (v) Yoga (vi) Aryasamaj.

(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 Eleventh Library Week, the Reference Section carried out the following activities :

(i) An exhibition of Books, periodicals, pamphlets, etc. was arranged on Examinations.

(ii) Librarians of different Institutions of Baroda City were invited to this Library to discuss their problems.

(iii) Students of the Secondary Schools of Baroda city were invited in groups to visit the library.

(iv) Readers were encouraged to read more books.

(7) *Theses and Dissertations* :

(i) During the period, 279 theses and dissertations were added to the collection of 3553, bringing the total collection to 3832.

(ii) During the period, 2777 readers consulted the theses and dissertations.

(iii) A descriptive list of Ph.D. theses received in the Library from January to December 1978 was published.

(8) *Reference Materials* :

During the period, 2074 readers consulted the reference books and other reference materials.

(9) *Pamphlet Collection* :

The following statement gives the details of Pamphlet collections in the Library :

(i) Number at the beginning of the year	18422
(ii) Number added during the year	721
(iii) Number withdrawn from the record	430
(iv) Number remaining at the end of the period	18713

#### 5. Sir Sayajirao Memorial Trust Library

This building is erected at the cost of Rs. 14 lacs, and has a capacity to accommodate about 1000 readers.

The library started functioning on 11th July, 1978.

At present only curricular services are provided to the readers on which text-books of all under graduate courses on campus are housed in the Library and the readers use them on the premises only.

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

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

- (i) Daily average number of readers visiting the library 1600  
(ii) Average number of books issued per day from curricular collection 311

#### 6. Visitors

<i>Name and Designation</i>	<i>Date of Visit</i>
Smt. Sharda Mukherji, Honorable Governor of the Gujarat State.	13-10-78

CHAPTER XXV—THE MAHARAJA SAYAJIRAO  
UNIVERSITY OF BARODA PRESS

1. Staff

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

2. Machinery

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

3. Printing Activities

During the year, 1434 plus 438 examination papers were printed under conditions of secrecy for the University Examinations. The Press also printed Syndicate and Senate proceedings, Details of Establishment, Annual Accounts, Annual Report, Budget Estimates, Questionnaire, 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:

Name of the Book	Publishers
(1) M. S. University Copper Plates of the Time of Tormana	Department of Archaeology and Ancient History, Faculty of Arts.
(2) Baroda's Experiment in Urban Decentralization	Department of Political Science, Faculty of Arts
(3) Satyasiddhisra Vol. II	Oriental Institute.
(4) Megaliths at Machad and Pazhayannur, Talppally Taluka Trichur District Karala State	Department of Archaeology and Ancient History, Faculty of Arts.
(5) Changing Farm Production and Organisation in Developing Agriculture	Department of Agricultural Economics, Faculty of Arts.
(6) श्री शक्तिपञ्चमन्त्रम्, चतुर्थो भागः, छिन्नमस्ताक्षण्ड	Oriental Institute.
(7) Working of the Monetary System in India	Faculty of Commerce.
(8) धर्मचर्चुन	Oriental Institute.

Name of the Book

Publisher

(9) प्राचीन गूलर काष्ठ संश्लेषण भाग-१	Oriental Institute.
(10) Pathways in Linguistics	Faculty of Arts
(11) Universals and Particulars An Essay in Contextual	Faculty of Arts.
(12) Maharao Lakhpatisinh	Faculty of Arts.
(13) The Memories of Sufis written in India	Faculty of Arts.
(14) Studies in Achievement Motivation	CASE.
(15) चरकनेो रवाध्याय, भाग-२	Oriental Institute.
(16) Parasuramakalpasutra (G.O.S. No. 22)	Oriental Institute.
(17) Stylistic Approach to Indian Miniatures	Department of Museology, Faculty of Fine Arts.
(18) Central State Financial Relations	Department of Economics, Faculty of Arts.
(19) The Study of Co-operative Land Banking in Gujarat	Department of Co-operation, Faculty of Commerce.
(20) आपणो उरी ह्योग	Oriental Institute.
(b) The following Journals were printed during the year:	
(1) The Journal of M. S. University of Baroda.	
(2) The Journal of Oriental Institute.	
(3) The Journal of Animal Morphology and Physiology (Half Yearly).	
(4) Swadhaya (Quarterly).	
(5) PAVO (Half Yearly).	
(6) Studies in Museology (Yearly).	
(7) Baroda Journal of Nutrition (Half Yearly).	
(8) Social Work Review (Yearly)	

4. University Stationery Unit

This Unit is a service department of the University and is under the supervision and control of the Manager, University Press. 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. 3,44,983/- were purchased and stationery worth Rs. 3,79,636/- was distributed.

5. University Publication Sales Unit

This Unit 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 book-shop for University Publications. The total sales during the year was Rs. 1,76,046/-.

## CHAPTER XXVI—THE MAHARAJA SAYAJIRAO UNIVERSITY UNION

### 1. Executive Committee

For the year 1978-79 Dr. D. H. Trivedi, Head, Department of Preventive and Social Medicine, Faculty of Medicine and Shri D. T. Brahmhatt, Lecturer in Geology, Faculty of Science were appointed President and Treasurer respectively of the M. S. University Union.

General election for the Vice-President, General Secretary and Faculty Representatives was held on 11th August, 1978. Shri Pramod J. Mathur, of the Faculty of Technology and Engineering was elected as Vice-President and Shri Satish J. Desai of the Faculty of Arts as General Secretary. There were 37 representatives elected by the students of the respective Faculties and Institutions. Prof. C. C. Shah and Shri Yogeshbhai Desai were nominated by the University on the Union Executive Committee. This was the year of legal complications and Union Executive Committee could not function effectively during the first term because of number of court cases and stay orders.

The first meeting of the Executive Committee was held on 21st October, 1978 for the election of the Sectional Secretaries and members representing Union on different Committees of the University.

### 2. Activities

Most of the activities were carried on during January and February, 1979.

### 3. University Youth Festival (Season Alive 1979)

An Annual Youth Festival 'Season Alive 1979' was celebrated from 28th January to 5th February, 1979. Inter-Faculty Competitions in Debates, Drama, Garba, Group Songs, Group Dance and Individual Items were conducted and various cultural shows and literary activities were also organised.

### 4. Emester

Two issues of the Emester were published and out of two the first was dedicated to Late Dr. Jivraj Mehta.

### 5. Fun Fair

A Fun Fair was arranged on 24th and 25th February, 1979 on the University Union Grounds.

## CHAPTER XXVII—GENERAL EDUCATION CENTRE

### 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 the Electrical Gadgets, their use and minor repairs.

### 2. Programmes

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

#### (1) Art Activities and Appreciation:

During the academic year 1978-79 five students were registered from different Faculties. Students were working with clay and Plaster. They constructed sculptures and made some batiks also. Collagraph was highly appreciated by participants.

#### (2) Film Club:

Six students were registered for Film Club. They saw a few films on Physical Science.

#### (3) Dramatic Club:

Nine students from different Faculties were registered for the Dramatic Club and were given guidance and instructions on various topics and phases of drama.

#### (4) Electrical Gadgets Club:

Ten students were registered from different Faculties for this Club. They were given instructions on various topics related to tube lights, volt meters, electrical bells, Radio parts, tape-recorders, fuses, etc.

## CHAPTER XXVIII—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 2551 men and 659 women were in residence in different Halls as against 2473 and 726 respectively. 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's, one paid full-time Superintendent to look after the residents. The administration of the Halls was carried on with the advice of the Advisory Committee of the Halls of Residence and Wardens' Committee.

All the Halls have been provided with common rooms which are generally used as Library-cum-reading rooms also. The Halls are also provided with furnished Visitors' rooms. 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.

The Central Sports Committee arranged the Inter-Hostel competitions for boys and girls in different games. The Central Entertainment Committee organised "A Sharad Purnima Festival".

Students are also members on the above Committees. Apart from these Committees, each hall of residence has its own Executive Committee composed of student members duly elected by the resident students of the Halls. These committees worked under the guidance of the Wardens. Students participated actively in matters pertaining to the affairs of the Hall except finance.

### 2. University Health Centre

During the year the staff of the Health Centre consisted of Medical Officer, One Part-time Lady Doctor, One Part-time Assistant Medical Officer, One

Honorary Physician, One Surgeon, One Lady Gynecologist, One Nurse, One Sanitary Inspector, One Compounder, One Laboratory-cum-X-Ray Technician, One Part-time Clerk and Three Hamal-cum-Sweepers.

Halls of Residence were visited for inspecting maintenance of sanitation hygiene in both hostels and kitchens twice a year.

A Maternity and Child Care Centre under the guidance of Rotary Club of Baroda works in the Health Centre on every Thursday for 2 hours in the morning. It deals with the vaccination programme, anti-natal advice to the expectant mothers and the family welfare advice.

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

The new entrants to the University were given a Medical Check up by the Medical Inspection Board in S.S.G. Hospital. Out of the total 5007 entrant students scheduled for medical check up, 3487 (69.64%) reported. Out of total examination, 1479 (42.41%) 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 1479 follow up students 887 students (59.99%) completed their follow up treatment.

During the year the total attendance of the patients at the Health Centre Clinic was 36445 (12755 students and 23690 were the members of the staff and their families). The average daily attendance has been 121 during the year. Health Centre remained open all hours of emergency and the doctors on duty attend cases of emergency in the Halls of Residence and the residence of the staff members.

The total number of Laboratory investigations were 1383. The total number of fluoroscopy examination was 287.

The mess servants were called at the Health Centre for their general check up; 20 mess servants have reported at the Health Centre for the same.

Rs. 17,300-97 were paid against re-imburement amount to the University staff and their dependents for their medical treatment.

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

### 3. Physical Education

(1) *Staff:* The Staff consisted of a Director, two Senior Instructors, five Physical Education Instructors, one Swimming Trainer, one Boating Trainer and two Assistant Swimming Trainers.

(2) *Training in Physical Education:* Training in Physical Education was imparted to 1088 Men and 602 women students from various Faculties and Institutions.

(3) *Training and Coaching in Games and Sports:* (1) Cricket (M and W), (2) Tennis (M and W), (3) Hockey (M and W), (4) Football, (5) Kho-Kho (M and W), (6) Track and Field events (M and W), (7) Kabaddi, (8) Volleyball, (9) Basketball (M and W), (10) Throwball (W), (11) Netball (W), (12) Swimming, (13) Boating, (14) Shooting (M and W) and (15) Cycling.

There were 393 members including men and women students in swimming. In Boating the number was 110 regular and 62 vocational including women students. The special coaching was provided by the honorary coaches and Officer-in-Charge in Cricket (M and W), Tennis (M and W), Football, Volleyball, Basketball (M and W), Athletics (M and W), Kho-Kho (M and W), Hockey (M and W), Kabaddi, Swimming (M and W) and Shooting (M and W).

#### Participation in Tournaments and Competitions

##### (a) Inter-University Tournaments:

Sr.	Name of the Game	Venue	Results	Remarks
(1)	Football	Udaipur Saugar	II position. W.Z. Runners-up. Qualified for All India Inter-Zonal Tournaments. Lost in IIIrd round	M. S. Uni. qualified for the All India Inter Zonal in Foot ball.
(2)	Kho-Kho (Men)	Hyderabad	Lost in Quarter finals	—
(3)	Hockey (Men)	Baroda	Reached upto Quarter finals	—
(4)	Hockey (Women)	Aurangabad	Lost in 2nd round	—
(5)	Shooting (Men)	Ahmedabad	VI place. Out of 22 Universities	—
(6)	Shooting (Women)	Ahmedabad	VI place	—
(7)	Basketball (Men)	West-Zone	Tournament was not held	—
(8)	Basketball (Women)	Trichur	Lost in second round	—
(9)	Tennis (Men)	Mysore	Lost in 2nd round	—
(10)	Swimming (Men)	Mysore	—	—
(11)	Kabaddi	Nagpur	—	—
(12)	Cricket (Men)	Indore	Lost in 2nd round	Established new record by our player

##### (b) Local Tournaments:

- (1) Hockey (Men) : Baroda District League-cum-knockout championship—Lost in Quarter final.
- (2) Hockey (Women) : Participated in Senior League Hockey Tournaments for Women and won the championship.
- (3) Basketball (Men) : (i) Participated in Baroda District Basketball Tournaments and won the championship.  
(ii) Participated in Hind Vijay Gymkhana Tournaments and secured second place.
- (4) Basketball (Women) : Participated in Baroda District Basketball Tournaments and won the championship.
- (5) Shooting (Men) : Two Teams of M. S. University participated in Baroda District Rifle Shooting competitions and secured all the three places with 233, 223 and 219 points in individual events.
- (6) Shooting (Women) : In team event M. S. University Women's team won III place.

##### (c) Inter-Faculty Tournaments:

- (1) Athletics (Men) : Shri Sunilkumar—Faculty of Technology and Engineering won Individual championship.
- (2) Athletics (Women) : Kum. Nilama Pandit—Faculty of Science won Individual championship.
- (3) Basketball (Men) : Winners—Faculty of Science.  
Runners-up—Faculty of Tech. and Engg.
- (4) Tennis (Men) : Winners—Faculty of Tech. and Engg.  
Runners-up—Medicine.
- (5) Cricket : Winners—Faculty of Commerce.  
Runners-up—Faculty of Arts.
- (6) Boating (Men) : Shri V. B. Jadhav—Individual Championship.
- (7) Volleyball : Winners—Tech. and Engg.  
Runners-up—Faculty of Commerce.

#### Intramural Competitions for Students in Physical Education

- (1) Volleyball (Men) : Winners—F.Y.B.Com.  
Runners-up—F.Y.B.Sc.

#### Selected for Nationals

- (a) Four women players represented Gujarat State National Hockey Championship held at Jabalpur and women sports held at Calcutta.

(b) Two men players represented Gujarat State in National Basketball Championships held at Kottayam.

(c) Four women players represented Gujarat State in National Basketball Championships held at Kottayam.

#### Other Important Events :

(1) Shri Vasudev Patel of Pre. Arts has been adjudged as the best cricketer of the year in the M. S. University to receive the Ranjit Centenary Award for the year 1978-79.

(2) Shri Ravi Deshmukh of Arts established a new record by scoring 442 runs against Shri P.K.V. Akila in West Zone Inter-University Cricket Tournaments held at Indore. He broke the I.U.B.'S record of the "Personal Score" of Test cricketer Shri Kapil Dev-329.

(3) Six University students were selected for summer coaching-cum-competition programme by Association of Indian Universities to be held at Patiala.

(4) Shri Rajendra K. Patel of Faculty of Law has been awarded N.S.O. Scholarship 1978-79 for Shooting.

(5) Staff & students worked to rescue the citizens during the last flood and their services were recognised by the Collector of Baroda.

(6) Men's team participated in Gujarat State Inter-University Basketball championships held at Mehsana and gained II place. It also won the District championship.

(7) Women's team participated in Gujarat State Basketball championships held at Surat and gained II place. It also won the District championship.

(8) Women's team participated in state level Mahajan Shakti Dal Basketball championship held at Mehsana and won the championship.

(9) Participated in Senior league Hockey Tournaments for women and won the championship.

(10) M. S. University Team won II Place in West Zone Inter-University Football Tournaments held at Udaipur and qualified for inter-Zonal Inter-University Football Tournaments held at Saugar.

(11) Two students participated in Open Gujarat Tennis Tournaments held at Baroda and won in Mixed Doubles.

#### 4. National Cadet Corps

(i) During the year the following NCC units carried out their multifarious activities :

Sr. No.	Name of the Unit	N.C.C. Officers	N.C.C. Cadets
(1)	3 Gujarat Battalion NCC	5	494
(2)	1 Gujarat Composite Tech. Regt. NCC	2	160
(3)	Detachment Company 6 Guj. Girls Battalion NCC	1	155
(4)	2 Gujarat Naval Unit NCC	4	200
(5)	1 Gujarat Air Sqn. NCC	1	200

(ii) Training of all the units started in July, 1978 and terminated in February, 1979. Maximum number of cadets attended training as well as Annual Training Camps besides attachment courses with Regular Units. The strength of NCC Officers and cadets who attended the various Annual Training Camps is shown below :

Sr. No.	Name of the Unit	Strength	
		Officers	Cadets
(1)	3 Gujarat Battalion NCC	4	116
(2)	1 Gujarat Composite Tech. Regt. NCC	1	26
(3)	Detachment Company, 6 Guj. Girls Battalion NCC	2	40
(4)	2 Gujarat Naval Unit NCC	1	27
(5)	1 Gujarat Air Sqn. NCC	—	—

(iii) The following number of Officers/Cadets attended Camps/Courses organized by the Directorate General of NCC :

Sr. No.	Name of the Course	Number attended	
		Officers	Cadets
(1)	Basic Leadership Course with agricultural Bias at Gurgaon ( Haryana ) from 16 Dec. to 29 Dec. 1978.	—	4
(2)	Basic Leadership course of Senior Division cadets at Pune ( Maharashtra ) from 16 May to 29 May, 1978.	—	4
(3)	Basic Leadership course of Senior Division cadets at Vellore ( Tamilnadu ) from 25 May to 7 June, 1978.	—	2
(4)	Basic Leadership Course of Senior Wing Girls cadets at Bangalore from 9th May, to 20th May, 1978.	—	2
(5)	Basic Leadership course of Senior Wing Girls cadets at Bhowali ( UP ) from 20th May to 31st May, 1978.	1	10
(6)	Advance Leadership Course of Senior Division Boys at Ranchi ( Bihar ) from 25th May to 14th June, 1978.	1	7
(7)	Advance Leadership Course of Senior Division Boys at Mount Abu from 25th May to 14th June, 1978.	—	2
(8)	Advance Leadership course of Senior Division cadets at Neyyadam ( Kerala ) with Rock climbing from 9th May, to 29th May, 1978.	1	4
(9)	Advance Leadership course of Senior Division at Lebong ( West Bengal ) from 6th November, to 26th November, 1978.	—	1
(10)	Advance Leadership course with Naval Bias from 29th May to 18th June, 1978 at Vishakhapatnam	—	4
(11)	Advance Leadership course of Senior Wing Girls cadets at Sauni ( UP ) from 18th May to 7th June, 1978.	—	2
(12)	Nau Sainik Camp at Cochin from 16th May to 28th May, 1978.	—	6
(13)	Vayu Sainik Camp at Bangalore from 23rd May to 5th June, 1978..	—	11

(iv) Eight cadets attended Prime Minister's Rally-Republic Day Parade on 26th January, 1979.

(v) Six men and four women candidates participated in All India Inter-University Shooting Competition, held at Ahmedabad from 27th December, 1978 to 31st December 1978 and obtained sixth position.

(vi) The undermentioned cadets of 3 Gujarat Battalion NCC took part in Small Bore Rifle Shooting competition held at Baroda by Rifle Shooting Association of Baroda on 24th December, 1978. They secured the position as shown against their names and also received prizes and certificates.

Individual ( Men ) Senior	Position
( i ) Bhumra R. A.	253/300 First
( ii ) Patel R. K.	223/300 Second
( iii ) Mulchandani H.W.	219/300 Third

Team Front ( Men ) Senior	Position
( i ) Bhumra R. A. } ( ii ) Vyas N. D. } ( iii ) Raaz A. A. }	630/900 First

( i ) Pate R. K. } ( ii ) Gaekwad M. R. } ( iii ) Mulchandani H. V. }	631/900 Second
-----------------------------------------------------------------------------	----------------

(vii) Three cadets of 3 Gujarat Battalion NCC participated in the XIV Gujarat State Competition held at Ahmedabad from 10th March to 16th March, 1979, secured first position in 22 Open Sight Standard Rifle ( three position ).

(viii) During the current year, independent projects like Road construction/repair, Traffic duties, Cleaning of Villages/Slum areas, works for Crippled Children and lecture on Hygiene and sanitation to the villagers were undertaken by the cadets under the Programme of Social Services by NCC. A total of 2554 hours social work has been carried out by the cadets of this Group and a total of 61500 cc of Blood has been donated by 205 Cadets of this Group.

(ix) A Guard of Honour comprising of One Officer and fifty cadets was presented to Dr. P. C. Chander, Minister for Education, Social Welfare and Culture, Government of India on the occasion of Annual Convocation which was held on 16th December, 1978.

(x) Training in Gliding was imparted to 27 boys and 7 Girls cadets of 1 Gujarat Air Sqn. NCC and a total of 2,947 launches were carried out upto 28th February, 1979. Six cadets were given power flying at Gujarat Power Flying Club Baroda and they completed 127.36 hours upto 5th August, 1978. Eleven cadets have done solo gliding and one cadet has done solo flying during the year.

(xi) Five cadets participated in the shipmodelling competition and won mainly first and second prizes.

(xii) The undermentioned cadets of 1 Gujarat Air Sqn. NCC who attended the Vayu Sainik camp held at Beasant Park (Scout Camp) Karnataka from 26th May to 8th June, 1978 won the Trophies Medals as shown against each:—

<i>Name of the Cadet</i>	<i>Name of Trophy/Medal won</i>	
<b>Team Event</b>		
Cdt. Sgt. B. B. Maiskar Cdt. Cpl. T. P. Varma Cdt. Cpl. S. J. Trivedi	} Subroto Air Trophy for Best Flying/Gliding/ Aeromodelling unit.	
<b>Individual</b>		
Cdt. Cpl. S. J. Trivedi		Virendra Singh Challenge Cup for Best Aeromodelling cadets.
Cdt. Cpl. S. J. Trivedi	Gold Medal for Acrobatic Flying of Aeromodels (Stunt).	

(xiii) Sailing expedition in Narmada river from Mangrol to Bharuch (distance 120 Kms.) was undertaken by 15 cadets of 2 Gujarat Naval Unit NCC in December, 1978. 1 Officer and 2 Personal Instructional Staff also took part in the expedition.

(xiv) Three Cadets attended Para Training at Agra from 23rd September, 1978 to 29th October, 1978 and have done 5 jumps each.

### 5. National Service Scheme

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

#### (1) Objectives:

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

#### (2) Organisation:

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

#### (3) Students Strength:

(i) Number of students allotted	2600
(ii) Number of students enrolled	2200
(iii) Number of male students	1713
(iv) Number of female students	487

#### (4) Institutions covered under N.S.S.:

Students of thirteen different institutions i.e. Arts, Commerce, Science, Technology, Medicine, Law, Polytechnic, Fine Arts, Home Science, Social Work, Prep. Units of Arts and Commerce 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) Activities:

The normal activities of N.S.S. are carried on by different service projects. The projects are organised on the basis of students' interests. The activities of N.S.S. consisted of concurrent and special camping programmes for the year 1978-79. The concurrent programmes are co-terminous with the academic terms of the University. Special Camping Programmes are organised during holidays and vacations. The students were involved in the activities of Education and Community Services through 15 service projects listed below:

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

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

#### (7) Fund Collection Campaign:

The student volunteers were involved in Fund Collection Programme for the Celebration of Flag Day, 7th December, 1978, in collaboration with the D.S.S.A. Board, Baroda. This programme was arranged at the offices of Nationalised Banks in Baroda.

#### (8) Flood Relief Work :

The student volunteers were involved in helping the victims of flood affected area. They had collected old clothes and other essential materials from different societies situated in Karelibaug area and distributed the same among the flood affected people.

(9) *Gandhi Jayanti Celebration :*

The series of lectures were arranged from 2nd October to 9th October, 1978 with the collaboration of N.S.S. of Baroda and Nayasamaj. Topics like untouchability, role of youth for National Integration, Root-Causes of social evils were discussed at length.

(10) *Adult Education Programme :*

The Adult Education Programme of the M. S. University of Baroda was formally inaugurated as a part of week-long celebrations of Mahatma Gandhi Jayanti.

The University is looking forward for an Adult Education programme divided into five phases, which aims at covering large number of illiterate adults of Baroda City under literacy work. The adult education programme includes imparting basic skills in reading, writing, simple arithmetic along with some training of suitable vocational education.

The proposed five-phased programme has been sent to University Grants Commission for approval.

(11) *Special Camping Programme :*

23 camps involving 1,202 campers were organised by 54 Camp Organisers who belonged to teaching staff & senior student volunteers of different Faculties. They contributed on the construction of 175 huts, 87 Bavla/4 PRA type latrines, 100 Soak-pits, 124 Smokeless Chulas, 24 Compost-pits, 50 Chokadis, 50 Ventilators. In addition to this campers contributed in digging 8,445 Ft. lift irrigation canal, 4855 mtrs. preparation of gradonies on hills, 2, 500 mtrs. road construction & levelling, 1,100 pits for tree plantation along with 455 ft. digging for preparation of foundation pits.

The details of the camps are as under :

Sr. No.	Place of the Camp	Duration	Total number of participants.
(1)	Rangpur-I	20-4-1978 to 30-4-1978	49
(2)	Ghelwat	22-4-1978 to 2-5-1978	55
(3)	Devhat	27-4-1978 to 6-5-1978	56
(4)	Tejgadh	1-5-1978 to 10-5-1978	48
(5)	Moti-sadli-I	6-5-1978 to 16-5-1978	54
(6)	Tharkuwa	9-5-1978 to 19-5-1978	60
(7)	Raipur	15-5-1978 to 25-5-1978	58
(8)	Kapraili-I	10-5-1978 to 20-5-1978	41
(9)	Zoz	17-5-1978 to 27-5-1978	33

Sr. No.	Place of the Camp	Duration	Total number of participants.
(10)	Katkoi	18-5-1978 to 28-5-1978	52
(11)	Moti-Chikhli	22-5-1978 to 1-6-1978	62
(12)	Rangpur-II	24-5-1978 to 3-6-1978	38
(13)	Rasulabad	25-5-1978 to 4-6-1978	44
(14)	Narukot	3-6-1978 to 13-6-1978	48
(15)	Ramnagar	8-6-1978 to 18-6-1978	57
(16)	Kumetha	5-11-1978 to 15-11-1978	30
(17)	Shegva	9-11-1978 to 19-11-1978	54
(18)	Moti-chikhli	10-11-1978 to 20-11-1978	58
(19)	Manpur	10-11-1978 to 20-11-1978	64
(20)	Satisana	13-11-1978 to 23-11-1978	71
(21)	Moti-sadli-II	14-11-1978 to 24-11-1978	61
(22)	Kapraili-II	14-11-1978 to 24-11-1978	53
(23)	Nalej	16-11-1978 to 26-11-1978	56
			1,202

6. *Students' Common Rooms*

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

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

7. *Hobby Workshop*

The M. S. University Hobby Workshop provided instruction and training to 55 students in different Hobbies during the year as mentioned below :

Hobby	Students enrolled
(1) Carpentry	12
(2) Assembling Electronics and Electrical Appliances	05
(3) Music	20
(4) Clay modelling	18
(5) Photography	—
Total :	55

The Staff of the Workshop consisted of one Officer, nine part-time Instructors, one Part-time Clerk and one part-time peon.

#### 8. University Employment Information and Guidance Bureau :

The Bureau carried out the following activities :

- ( i ) Registration of students
- ( ii ) Submission
- ( iii ) Placement
- ( iv ) Supply of information to individuals
- ( v ) Guidance to students
- ( vi ) Group Guidance Talks
- ( vii ) Visitors
- ( viii ) Review of Live Registers

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

#### THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

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#### Annual Report 1978-79

#### Addendum and Corrigendum

Appendix I Page (i) after Page 232

I 14 Polytechnic For 1861 Read 1862

II Add Sr. Nos. 15 and 16 after Sr. No. 14 as under:

	Grand Total	Grand Total	Grand Total
	1978-79	1977-78	1976-77
15. Preparatory Unit Arts and Commerce	-	1204	2389
16. Preparatory Unit Science	-	200	1323

Sr. No.	Faculty/Institution	*Post-graduate Courses		Degree Courses		Diploma Courses		Total		Grand Total	Grand Total
		Men	Women	Men	Women	Men	Women	Men	Women	1977-78	1976-77
										1978-79	1976-77
1.	Faculty of Arts	258	183	1615	994	28	17	1901	1194	3095	2507
2.	Faculty of Science	296	133	1156	493	17	02	1469	628	2097	1657
3.	Faculty of Education and Psychology	55	65	99	237	—	—	154	302	456	437
4.	Faculty of Commerce	330	122	1924	1138	11	02	2265	1262	3527	3108
5.	Faculty of Medicine	109	27	678	138	—	—	787	165	952	880
6.	Faculty of Technology and Engineering	156	13	2717	131	223	—	3096	144	3240	3049
7.	Faculty of Fine Arts	44	23	62	56	@140	@23	246	102	348	340
8.	Faculty of Home Science	1	172	—	608	—	—	1	780	781	1020
9.	Faculty of Social Work	69	32	—	—	—	—	69	32	101	90
10.	Faculty of Law	311	43	902	94	—	—	1213	137	1350	1201
11.	M. K. Amin Arts and Science College and College of Commerce, Padra	—	—	803	154	—	—	803	154	957	648
12.	College of Indian Music, Dance and Dramatics	9	9	44	43	—	—	53	52	105	93
13.	Baroda Sanskrit Mahavidyalaya	7	1	6	—	—	46	59	3	62	60
14.	Polytechnic	—	—	—	—	—	2172	2172	04	2176	1861
Total		1645	823	10006	4086	2637	50	14288	4959	19247	19486

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

## Appendix II

Statement showing the number of Non-University Students in the year 1978-79

Faculty/Institution	Men	Women	Total '1978-79	Total 1977-78	Total 1976-77
<b>(A) Diploma Courses</b>					
(1) College of Indian Music, Dance and Dramatics	447	347	794	849	717
<b>(B) Certificate Courses</b>					
(1) Faculty of Arts	91	25	116	394	225
(2) Faculty of Fine Arts	—	—	—	05	14
(3) Baroda Sanskrit Maha- vidyalaya	57	01	58	100	98
<b>(C) S.S.C. Courses</b>					
(1) University Experimental School	505	310	815	764	564
<b>(D) Nursery Courses</b>					
(1) Chetan Balwadi	17	11	28	28	85
(2) Kindergarton	31	26	57	57	20
<b>Total</b>	<b>1148</b>	<b>720</b>	<b>1868</b>	<b>2197</b>	<b>1723</b>

## Appendix III

List of Degree/Diplomas conferred at the Annual and Supplementary Convocations during the year 1978-79

Sr. No.	Degree/Diploma	Annual Convocation December, 1978	Supple- mentary Convocation March, 1979	Total
1	2	3	4	5
1.	Ph.D. ( Arts )	7	3	10
2.	Ph.D. ( Science )	7	6	13
3.	Ph.D. ( Edu. and Psy. )	7	4	11
4.	Ph.D. ( Commerce )	—	—	—
5.	Ph.D. ( Medicine )	—	1	1
6.	Ph.D. ( Tech. and Engg. )	1	—	1
7.	Vachaspati	—	11	11
8.	M.D.	5	12	17
9.	M.S.	6	8	14
10.	M.A.	169	9	178
11.	Acharya	2	—	2
12.	B.A.	554	61	615
13.	Shastri	3	—	3
14.	B.Lib. Science	21	—	21
15.	M.Sc.	143	8	151
16.	B.Sc.	251	39	290
17.	M.Ed.	35	1	36
18.	B.Ed.	153	1	154
19.	M.Com.	86	7	93
20.	B.Com.	687	74	761
21.	P.G. Dip. in Banking	29	1	30
22.	P.G. Dip. in Co-operation	5	—	5
23.	M.Sc. ( Medical )	1	2	3
24.	M.B.B.S.	38	116	154
25.	B.Physiotherapy	9	2	11
26.	D.A.	6	2	8
27.	D.C.H.	3	5	8
28.	D.V.D.	1	1	2
29.	T.D.D.	2	2	4
30.	D.C.P.	2	1	3
31.	D.G.O.	2	3	5

1	2	3	4	5
32. D.O.	—	—	5	5
33. D.L.O.	—	—	3	3
34. D.M.R.D.	—	—	3	3
35. D.P.H.	—	—	1	1
36. M.E.	14	—	13	27
37. M.Sc. (Appl. Phy.)	8	—	—	8
38. M.Sc. (Appl. Maths.)	3	—	—	3
39. M.Text. (Engg.)	—	—	1	1
40. B.E.	374	—	46	420
41. B.Text. (Engg.)	19	—	—	19
42. B.Text. (Tech.)	33	—	2	35
43. B.Arch.	32	—	8	40
44. B.Pharm.	32	—	—	32
45. LL.M.	3	—	1	4
46. LL.B. (Special)	50	—	11	61
47. LL.B. (General)	161	—	24	185
48. D.T.P.	88	—	10	98
49. D.L.P.	34	—	6	40
50. M.A. (Fine)	11	—	—	11
51. B.A. (Fine)	21	—	—	21
52. P.G. Dip. in Museology	2	—	—	2
53. M.Mus.	7	—	—	7
54. B.Mus.	12	—	—	12
55. M.Sc. (Home)	35	—	5	40
56. B.Sc. (Home)	121	—	53	154
57. P.G. Dip. in Pre-School Edu.	18	—	1	19
58. P.G. Dip. in Dietetics	20	—	5	25
59. M.S.W.	35	—	3	38
60. P.G. Dip. in IR and PM	1	—	16	17
Total	3369	—	567	3936

Statement showing the number of Teaching Staff of various Faculties and Institutions as on 31st March, 1979

Sr. No.	Faculty/ Institution	Pro-fessors	Readers	Lecturers and Teaching Assistants	Assistant Lecturers Senior/Junior Instructors	Honorary Part-time Research and others	Total
1.	Arts	13	18	63	07	01	102
2.	Science	18	37	141	—	—	196
3.	Edu. and Psy.	2	9	26	—	—	37
4.	Commerce	3	9	25	—	2	39
5.	Tech. and Engg.	20	40	143	1	18	222
6.	Fine Arts	4	4	22	—	1	31
7.	Home Science	4	7	46	—	2	59
8.	Social Work	1	2	8	—	1	12
9.	Law	1	2	4	—	11	18
10.	Law	1	1	5	—	—	7
11.	Oriental Institute College of Indian Music, Dance and Dramatics	1	1	27	—	6	35
12.	Baroda Sanskrit Mahavidyalaya	—	1	06	8	2	17
13.	Polytechnic	1	5	77	2	—	85
14.	M. K. Amin Arts and Science College and College of Commerce, Padra	—	—	21	—	1	22
Total		69	136	614	18	45	882

## List of Students qualifying for the Ph.D. Degree during the year 1978-79

Sr.No.	Name	Subject	Title of the Thesis
<b>Faculty of Arts</b>			
1.	Shri Syed Anis Hasim	Archaeology	The potters and ceramics Traditions in Panchamahals Baroda and Broach Districts of Gujarat.
2.	Shri Vasantkumar Somabhai Parekh	Archaeology	The Iconography of Saiva deities from Gujarat.
3.	Smt. Maya Nalin-chandra Shah	Economics	Growth Productivity Technical progress and Pricing in Electricity in India, 1951-71.
4.	Shri K. Venkata Subramanian	Economics	Economic Aspects of the Growth of Primary Education in Tamil Nadu.
5.	Smt. Sudha Niranjana Pandya	Gujarati	Life and works of Vadilal Motilal Shah—A Study.
6.	Shri Bhagwandas Narayandas Kahar	Hindi	Dharmavir Bharati Vyaktitya aur Krititva.
7.	Shri Trilokinath Gangaprasad Sharma	Hindi	Hindi Atmakatha Sahitya ka Alochanatmak Adhyayan.
8.	Shri Ashokkumar Shivnarain Misra	Hindi	Bhaktikal Ke Prema Khyamak Kavyoka Sanskritik Anushilan (1450-A.D.—1650-A.D.).
9.	Kum. Sushila Gopaldas Ahuja	Hindi	Hindim Ratigrantho Ke Vishes Sandarba Main Kunverkushal Knet Lakhapti Jasarindhu Ake—Anushilan.
10.	Shri Mehmood Husainmiyan Siddiqui	Persian	The sufis Memories written in India from the beginning upto the 16th Century A.D. (with special reference to Kashaf-UI-Mahjab, Siyar-UI-Auliya and Siyar-UI-Arifin).
11.	Smt. Geeta Somjee	Political Science	An Examination of Socialist concerns, critiques, Agitations and organizational Attempts within the Indian National Movement.

Sr.No.	Name	Subject	Title of the Thesis
<b>Faculty of Science</b>			
12.	Shri Jamanadas Ratilal Patadia	Mathematics	A study of the absolute convergence of lacunary fourier series.
13.	Kum. Nita Nari-nendra Majmudar	Physics	Study of the upper atmosphere with OH and other airglow Emissions.
14.	Shri Ram Kumar Sindhu	Bio-chemistry	Studies on Polyamine Metabolism in Germinating Groundnut seeds.
15.	Shri Devendra Ramachandra Deshmukh	Bio-chemistry	Studies on ornithine metabolism in brain.
16.	Shri Mahendra Prasad Chhotalal Trivedi	Geology	Geological investigation of the rocks and soils of the area covering western part of Surendranagar District and Eastern part of Rajkot District of Gujarat State with reference to their Engineering properties.
17.	Shri Sudhir Babulal Trivedi	Physics	Study of salenium Tellurium alloy single crystals.
18.	Shri Anupam Somnath Wali	Microbiology	Biochemical Studies on some Termodrillc Fungi.
19.	Smt. Satyaprabha Dandekar	Microbiology	Regulation of Carotenogenesis in Blakeslea trispora.
20.	Shri Hasmukhbhai Chaturbhai Patel	Statistics	Some problems in sampling.
21.	Shri Sychantha Vang Southanou	Geology	The studies in the Precambrian rocks around posina and kherod in North Gujarat.
22.	Shri Balvantsinh Chandrasinh Chauhan	Zoology	Studies on some aspects of histophysiology of certain endocrine glands related to reproductive cycle of the Indian House crow Corvus splendens viellot.
23.	Shri N. Narayan Rao	Microbiology	Studies on the post harvest Physiology and spoilage of Mango.
24.	Shri Ashok Manilal Parikh	Statistics	Some problems in Fractional Factorial Designs.
25.	Shri Narayanan Nampoore V. P.	Physics	Study of spectra of some Indium Monohalide Molecules.

Sr.No.	Name	Subject	Title of thesis
26.	Shri Abhaya Megharyam Dandekar	Microbiology	Studies on the Genetics of Rhizobium Japonicum.
27.	Shri Sanatkumar Ochhavlal Parikh	Chemistry	Chelating Polymers.
<b>Faculty of Education and Psychology</b>			
28.	Smt. Mukti Chakrabarti	Education	An Inquiry into Strategies of Class room teaching.
29.	Shri S. Parmaji	Education	The relationship between general higher education and job aspirations job satisfaction and job efficiency of non-professional job holders.
30.	Smt. Swaranjit Kaur Kumar	Education	A study of the Development of Education Administration in India through various Commissions appointed between 1854 to 1966.
31.	Shri G. Subramonia Pillay	Education	Effect of patterns of teaching upon creative thinking among adolescents.
32.	Kum. Jyoti Kantilal Parikh	Education	Study of Non-normal children in relation to home environment and special care recreation programmes.
33.	Kum. Lillian Menezes	Psychology	Interpersonal communication between Parents and adolescents as related to adjustment in adolescents.
34.	Shri Dayamand Beharilal Sansanwal	Education	An Experimental study in programmed learning for Teaching Research Methodology course at M.Ed. Level.
35.	Shri Francisco Louis Jose Desouza	Education	Planning school Education in Goa.
36.	Shri Adisai Govatana	Education	A comparative study of creative thinking in relation to Socio Economic Status, School Climate and Class room behaviour of High-school students in Baroda city (India) and Bangkok city (Thailand).
37.	Kum. Sushila Dharmadas Narsiah	Education	Innovations in Higher Education in India.

Sr.No.	Name	Subject	Title of the Thesis
38.	Shri Sarbantha Pramool	Education	The role of teachers in Gujarat (India) and Thailand. A Comparative Study.
<b>Faculty of Medicine</b>			
39.	Shri Arvindkumar Prabhulal Pandya	Medicinal Entomology	A survey of Genus Phlebotamas and its ecology its breeding in captivity its ectoparasites feeding habits and resistance to insecticides in Gujarat.
<b>Sanskrit Mahavidyalaya</b>			
40.	Shri Himmatram Mahashankar Yagnik Jani	Vachaspati	Vedang Jyotishyasamik Shita Vruti Vivechanatamakam Adhyayanam.

Results of the University Examinations of April-May, 1978

Appendix VI

Sr.No.	Examination	Number appeared										Number Passed										Grand Total	Percentage of passes
		Men					Women					Men					Women						
		No. Regd.	No. Absent	Total	I Class Dist.	I Class	II Class	Pass Class	Total	I Class Dist.	I Class	II Class	Pass Class	Total	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	849	34	540	275	815	—	3	33	166	202	—	3	30	98	131	333	40.85%					
2.	F.Y.B.A.	1353	40	869	444	1313	—	13	82	322	412	—	29	113	218	360	777	59.17%					
*3.	S.Y.B.A.	1000	46	606	349	955	—	—	—	305	305	—	—	—	250	250	555	58.11%					
4.	T.Y.B.A.	744	38	425	281	706	1	17	93	211	322	3	17	105	105	230	552	78.18%					
*5.	M.A.—Part I	233	24	100	109	209	—	—	—	79	79	—	—	—	100	100	179	85.64%					
6.	M.A.—Part II	191	4	86	101	187	—	9	34	27	70	2	12	47	38	99	169	90.34%					
7.	Diploma in German Language	21	4	14	3	17	—	10	1	3	14	—	2	—	1	3	17	100.00%					
8.	P.G. Diploma in German Language	5	—	2	3	5	—	2	—	—	2	—	3	—	—	3	5	100.00%					
9.	Diploma in Russian Language	2	1	1	—	1	—	1	—	—	1	—	—	—	—	—	1	100.00%					
10.	Diploma in Library Science	29	—	7	22	29	—	1	4	3	7	—	1	8	5	14	21	72.41%					
11.	Bachelor of Library Science	2	—	1	1	2	1	—	—	—	1	—	—	—	—	—	1	100.00%					
12.	Acharya	5	1	4	—	4	—	1	2	—	3	—	—	—	—	—	3	75.00%					
13.	Shastri	3	2	1	—	1	—	—	1	—	1	—	—	—	—	—	1	100.00%					
14.	Visharad	287	9	250	28	278	—	31	43	71	145	—	4	5	11	20	165	60.00%					
15.	Preparatory Science	713	10	516	187	703	—	58	144	98	300	—	43	81	20	144	444	64.08%					

\*No Class is awarded.

Sr.No.	Examination	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
1	2	430	21	266	143	409	—	—	—	183	183	—	—	—	126	126	306	75.55%	
*16.	S.Y.B.Sc.	364	18	241	105	346	5	27	75	56	163	8	24	42	16	90	253	73.12%	
17.	T.Y.B.Sc.	188	9	114	65	179	—	—	—	95	95	—	—	—	65	65	160	89.38%	
*18.	M.Sc. (Previous)	160	4	105	51	156	1	19	26	9	55	2	17	54	3	76	131	83.97%	
19.	M.Sc. (Final)	7	—	7	—	7	2	1	4	—	7	—	—	—	—	—	7	100.00%	
20.	M.Sc. (Applied Geology)	9	—	9	—	9	—	—	—	8	8	—	—	—	—	—	8	88.89%	
*21.	Diploma in Laboratory Techniques	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	1	100.00%	
21A	Diploma in Education	39	—	23	16	39	1	—	14	5	20	—	8	8	—	16	36	92.30%	
22.	M.Ed.	159	—	38	121	159	1	3	42	3	48	—	30	76	3	109	157	98.74%	
23.	B.Ed.	648	10	515	123	638	—	11	110	131	252	—	2	27	30	59	311	48.74%	
24.	Preparatory Commerce	1605	36	1170	499	1569	—	94	213	379	686	—	38	135	160	333	919	58.57%	
25.	F.Y.B.Com.	1139	60	720	359	1079	—	—	—	438	438	—	—	—	252	252	690	63.94%	
*26.	S.Y.B.Com.	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	2	100.00%	
*27.	B.Com. (Under O.Com. 25)	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	100.00%	
*28.	B.Com. (Under O.Com. 26)	8	2	4	2	6	—	—	1	2	3	—	—	—	2	—	5	83.33%	
29.	B.Com. (Under O.Com. 27)	1016	57	667	292	959	—	36	188	232	456	—	14	98	119	231	687	71.63%	
30.	B.Com.	185	50	105	30	135	—	—	—	80	80	—	—	—	22	22	102	75.55%	
*31.	M.Com.—Part I	123	29	80	14	94	1	—	40	32	73	—	2	10	1	13	86	91.48%	
32.	M.Com.—Part II	52	5	22	25	47	—	3	11	2	16	—	—	1	7	5	13	29	61.70%
33.	P.G. Diploma in Banking	18	8	8	2	10	—	—	—	—	—	—	—	—	—	—	—	71.42%	
*34.	P.G. Diploma in Co-operation	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	100.00%	
*35.	U.G. Diploma in Co-operation	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	100.00%	
*36.	M.D. (Br. I—Medicine)	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	100.00%	
*37.	M.D. (Br. II—Pathology)	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	100.00%	
*38.	M.D. (Br. IV—Physiology)	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	100.00%	
*39.	M.D. (Br.—Obst. and Gyn.)	2	—	2	—	2	—	—	—	—	—	—	—	—	—	—	—	100.00%	
*40.	M.D. (Br. VI—Paediatrics)	3	—	3	—	3	—	—	—	—	—	—	—	—	—	—	—	100.00%	
*41.	M.D. (Br. IX—Radiology)	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	100.00%	
*42.	M.S. (Br. I—Surgery)	4	—	4	—	4	—	—	—	—	—	—	—	—	—	—	—	100.00%	
*43.	M.S. (Br. III—Orthopaedics)	3	—	3	—	3	—	—	—	—	—	—	—	—	—	—	—	100.00%	

\*No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
*44. M.S. (Br. IV—Oto-Rhino-Laryngology)	1	—	1	—	1	—	1	—	—	—	—	1	—	—	—	—	—	—	100.00%
*45. M.S. (Br. V—Ophthalmology)	1	—	1	—	1	—	1	—	—	—	1	—	—	—	—	—	—	—	100.00%
*46. First M.R.B.S.	22	—	18	—	4	22	—	—	—	—	16	16	—	—	—	4	4	20	90.90%
*47. Second M.B.B.S.	149	2	118	29	147	—	—	—	—	—	94	94	—	—	—	26	26	120	81.63%
*48. Third M.B.B.S.	47	—	45	2	47	—	—	—	—	—	35	35	—	—	—	2	2	37	78.72%
*49. M.Sc. (Medical)—Part I	1	—	—	—	1	—	—	—	—	—	—	—	—	—	—	1	1	1	100.00%
*50. M.Sc. (Medical)—Part II	4	—	2	—	2	—	—	—	—	—	1	1	—	—	—	—	—	1	50.00%
*51. Diploma in Ophthalmology	4	—	4	—	4	—	—	—	—	—	—	—	—	—	—	—	—	—	00.00%
*52. Diploma in Anaesthesiology	6	—	3	3	6	—	—	—	—	—	3	3	—	—	—	3	3	6	100.00%
*53. Diploma Laryngology and Otology	1	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	00.00%
*54. Diploma in Child Health	5	—	5	—	5	—	—	—	—	—	3	3	—	—	—	—	—	3	60.00%
*55. Dip. in Venereology & Dermatology	1	—	—	—	1	—	—	—	—	—	1	1	—	—	—	—	—	1	100.00%
*56. Diploma in Tuberculous Diseases	2	—	2	—	2	—	—	—	—	—	2	2	—	—	—	—	—	2	100.00%
*57. Diploma in Clinical Pathology	2	—	2	—	2	—	—	—	—	—	2	2	—	—	—	2	2	2	100.00%
*58. Dip. in Obstetrics and Gynaecology	14	—	—	—	2	12	14	—	—	—	—	1	—	—	—	10	10	11	78.57%
*59. F.Y. B.Physiotherapy	13	—	—	—	1	12	13	—	—	—	1	1	—	—	—	10	10	11	84.61%
*60. S.Y. B.Physiotherapy	12	—	—	—	1	11	12	—	—	—	1	1	—	—	—	8	8	9	75.00%
*61. T.Y. B.Physiotherapy	632	5	627	—	627	—	—	—	74	153	208	435	—	—	—	—	—	435	69.37%
*62. F.Y. Diploma (CME)	384	6	378	—	378	—	—	—	42	124	99	265	—	—	—	—	—	265	70.10%
*63. S.Y. Diploma (CME)	129	5	124	—	124	—	—	—	40	35	13	88	—	—	—	—	—	88	72.13%
*64. Diploma in Civil Engineering	185	5	180	—	180	—	—	—	51	46	53	150	—	—	—	—	—	150	83.08%
*65. Diploma in Mechanical Engineering	127	5	122	—	122	—	—	—	10	21	40	71	—	—	—	—	—	71	58.70%
*66. Diploma in Electrical Engineering	100	6	94	—	94	—	—	—	6	37	28	71	—	—	—	—	—	71	75.53%
*67. Diploma in Textile Chemistry	29	—	29	—	29	—	—	—	3	15	6	24	—	—	—	—	—	24	82.75%
*68. Diploma in Textile Technology	104	6	98	—	98	—	—	—	—	—	45	45	—	—	—	—	—	45	45.91%
*69. I Sem. of S.Y. Dip. (CME)-EDC	119	1	118	—	118	—	—	—	10	15	38	63	—	—	—	—	—	63	53.38%
*70. II Sem. of S.Y. Dip. (CME)-EDC	6	—	—	—	—	—	—	—	—	—	2	2	—	—	—	—	—	2	40.00%
*71. I Sem. of D.C.E.-EDC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

\*No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
72. II Sem. of D.C.E.-EDC	16	1	15	—	15	—	15	—	—	3	5	1	9	—	—	—	—	—	9	64.28%
*73. I Sem. of D.M.E.-EDC	19	4	15	—	15	—	15	—	—	—	—	8	—	—	—	—	—	—	8	53.33%
74. II Sem. of D.M.E.-EDC	35	2	33	—	33	—	33	—	—	7	11	5	23	—	—	—	—	—	23	74.19%
*75. I Sem. of D.E.E.-EDC	22	6	16	—	16	—	16	—	—	—	—	5	5	—	—	—	—	—	5	31.25%
*76. II Sem. of D.E.E.-EDC	28	5	23	—	23	—	23	—	—	—	7	4	11	—	—	—	—	—	11	42.82%
*77. I Sem. of F.Y. Dip. (PCT)	14	—	14	—	14	—	14	—	—	—	—	7	7	—	—	—	—	—	7	50.00%
*78. II Sem. of F.Y. Dip. (PCT)	43	—	43	—	43	—	43	—	—	7	19	3	29	—	—	—	—	—	29	69.44%
*79. I Sem. of S.Y. Dip. (PCT)	3	—	3	—	3	—	3	—	—	—	2	2	—	—	—	—	—	—	2	66.66%
*80. II Sem. of S.Y. Dip. (PCT)	37	—	37	—	37	—	37	—	—	12	21	2	35	—	—	—	—	—	35	94.06%
*81. I Sem. of T.Y. Dip. (OPF)	1	—	1	—	1	—	1	—	—	—	—	1	—	—	—	—	—	—	1	100.00%
*82. II Sem. of T.Y. Dip. (OPF)	34	1	33	—	33	—	33	—	—	16	17	—	33	—	—	—	—	—	33	100.00%
*83. I Sem. of Final Year Dip. (OPF)	1	—	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	00.00%
*84. II Sem. of Final Year Dip. (OPF)	33	—	33	—	33	—	33	—	—	29	3	—	32	—	—	—	—	—	32	96.97%
*85. I Sem. of P.D. Dip. in Ref. and Air Cond.	1	—	1	—	1	—	1	—	—	—	—	1	—	—	—	—	—	—	1	100.00%
*86. II Sem. of P.D. Dip. in Ref. and Air Cond.	7	—	7	—	7	—	7	—	—	4	3	—	7	—	—	—	—	—	7	100.00%
*87. I Sem. of Final Dip. in Production Engineering	4	—	4	—	4	—	4	—	—	—	—	4	4	—	—	—	—	—	4	100.00%
*88. II Sem. of Final Dip. in Production Engineering	53	—	53	—	53	—	53	—	—	14	34	4	52	—	—	—	—	—	52	98.11%
*89. I Sem. of Final Dip. in Industrial Electronics	2	—	2	—	2	—	2	—	—	—	—	2	2	—	—	—	—	—	2	100.00%
*90. II Sem. of Final Dip. in Industrial Electronics	35	—	34	1	35	—	34	1	35	—	22	11	1	34	1	—	—	1	35	100.00%
*91. I Sem. of B.E. I (CME, Chem., Met.)	63	3	59	1	60	—	59	1	60	—	—	29	29	—	—	—	—	1	30	50.00%
*92. II Sem. of B.E. I (CME, Chem., Met.)	371	3	356	12	368	41	106	102	24	273	2	5	4	—	—	—	—	11	284	77.17%
*93. I Sem. of B.E. II (CME, Chem., Met.)	64	1	63	—	63	—	63	—	—	—	—	32	32	—	—	—	—	—	32	50.79%
*94. II Sem. of B.E. II (CME, Chem., Met.)	424	1	416	7	423	28	88	174	47	337	—	2	3	—	—	—	—	5	342	81.04%

\*No Class is awarded.



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
*40. Diploma in Medical Radio			3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Diagnosis—Part I			3		3		3					3						3	100.00%
Diploma in Medical Radio																			
*41. Diagnosis—Part II			3		3		3					3						3	100.00%
*42. M.Sc. (Medical)—Part I			13		4		9					3					7	10	76.92%
*43. M.Sc. (Medical)—Part II			10		7		3					3					2	2	20.00%
*44. T.Y. B. Physiotherapy			2		—		2					—					2	2	100.00%
*45. First M.B.B.S.			145		122		22					107					21	128	88.88%
*46. Second M.B.B.S.			37		33		4					24					3	27	72.97%
*47. Final M.B.B.S.			151		116		31					90					31	121	82.31%
*48. F.Y. Diploma (CME)—O. C.			171		167		167					66					66	66	39.52%
*49. S.Y. Diploma (CME)—			110		105		105					53					53	20	50.47%
*50. Diploma in Civil Engineering			38		31		31					20					8	8	64.51%
*51. Diploma in Mechanical Engineering			32		25		25					31					14	14	32.00%
*52. Diploma in Electrical Engineering			39		8		31					14					6	6	45.16%
*53. Diploma in Textile Chemistry			17		4		13					13					7	5	46.15%
*54. Diploma in Textile Technology			7		—		7					3					2	208	71.42%
*55. I Sem. of F.Y. Diploma			437		437		437					208					41	41	47.59%
*56. I Sem. of S.Y. Dip. (CME)-EDC			171		22		149					41					15	15	27.51%
*57. II Sem. of S.Y. Dip. (CME)-EDC			38		3		35					15					9	9	42.85%
*58. I Sem. of DCE-EDC			17		2		15					9					3	3	60.00%
*59. II Sem. of DCE-EDC			7		1		6					3					3	3	50.00%
*60. I Sem. of DME-EDC			58		4		54					31					3	3	57.41%
*61. II Sem. of DME-EDC			10		2		8					9					2	2	37.05%
*62. I Sem. of DEE-EDC			41		8		33					9					2	2	27.27%
*63. II Sem. of DEE-EDC			18		4		14					2					37	37	14.28%
*64. I Sem. of F.Y. Dip. (PCT)			61		4		60					37					7	7	61.66%
*65. II Sem. of F.Y. Dip. (PCT)			10		1		10					7					30	30	70.00%
*66. I Sem. of S.Y. Dip. (PCT)			37		37		37					30					30	30	81.01%

\*No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
*67. II Sem. of S.Y. Dip. (PCT)			2		2		2					1						1	50.00%
*68. I Sem. of T.Y. Dip. (PCT)			38		1		37					35						35	94.59%
*69. II Sem. of T.Y. Dip. (OPF)			1		1		—					—						—	00.00%
*70. I Sem. of Final Dip. (OPF)			35		—		35					33						33	94.28%
*71. II Sem. of Final Dip. (OPF)			2		—		2					—						—	00.00%
*72. I Sem. of P.D. Dip. Ref. and Air Cond.			10		2		8					8						8	100.00%
*73. I Sem. of Final Year Dip. in Production Engineering			70		2		68					60						60	85.71%
*74. II Sem. of Final Year Dip. in Production Engineering			1		—		1					1						1	100.00%
*75. I Sem. of Final Year Dip. in Industrial Electronics			64		3		61					45						45	73.77%
*76. I Sem. of B.E. I			456		5		445					349					4	4	78.44%
*77. (CME, Chem., Met.)			82		8		73					36					1	1	50.68%
*78. I Sem. of B.E. II			357		3		342					256					11	11	75.42%
*79. II Sem. of B.E. II			71		—		70					43					1	1	61.97%
*80. (CME, Chem., Met.)			435		3		425					344					6	6	81.59%
*81. II Sem. of B.E. III			52		1		51					32					—	—	64.00%
*82. (CME, Chem., Met.)			384		1		375					325					6	6	86.69%
*83. II Sem. of B.E. IV			12		3		8					3					1	1	44.44%

\*No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
*84. I Sem. of B.E. V (Civil)	76	1	74	1	74	1	75	—	—	—	—	73	—	—	—	—	1	74	98.66%
*85. I Sem. of B.E. V (Mechanical)	95	—	95	—	95	—	95	—	—	—	—	95	—	—	—	—	—	95	100.00%
*86. I Sem. of B.E. V (Electrical)	54	1	52	1	53	—	53	—	—	—	—	48	—	—	—	—	—	48	90.56%
*87. I Sem. of B.E. V (Chemical)	36	1	35	—	35	—	35	—	—	—	—	33	—	—	—	—	—	33	94.28%
*88. I Sem. of B.E. V (Metallurgy)	36	—	36	—	36	—	36	—	—	—	—	36	—	—	—	—	—	36	100.00%
*89. I Sem. of B.E. V (Electronics)	22	—	20	2	22	—	22	—	—	—	—	20	—	—	—	—	2	22	100.00%
90. II Sem. of B.E. V (Civil)	3	—	3	—	3	—	3	—	—	1	2	3	—	—	—	—	—	3	100.00%
91. II Sem. of B.E. V (Electrical)	4	1	3	—	3	—	3	—	—	2	—	2	—	—	—	—	—	2	66.66%
92. II Sem. of B.E. V (Chemical)	1	—	1	—	1	—	1	—	—	1	—	1	—	—	—	—	—	1	100.00%
93. II Sem. of B.E. V (Metallurgy)	1	—	1	—	1	—	1	—	—	1	—	1	—	—	—	—	—	1	100.00%
*94. I Sem. of B.E. I (Electronics)	24	—	24	—	24	—	24	—	—	—	23	23	—	—	—	—	—	23	95.83%
95. II Sem. of B.E. I (Electronics)	6	1	5	—	5	—	5	—	—	—	2	2	—	—	—	—	—	2	40.00%
*96. I Sem. of B.E. II (Electronics)	20	—	19	1	20	—	20	—	—	—	12	12	—	—	—	—	—	12	60.00%
97. II Sem. of B.E. II (Electronics)	1	—	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100.00%
*98. I Sem. of B.E. III (Electronics)	11	—	11	—	11	—	11	—	—	—	10	10	—	—	—	—	—	10	90.90%
99. II Sem. of B.E. III (Electronics)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
100. B.E. (Civil)—PTD	16	—	16	—	16	—	16	5	7	4	—	16	—	—	—	—	—	16	100.00%
101. B.E. (Mechanical)—PTD	16	—	16	—	16	—	16	3	11	2	—	16	—	—	—	—	—	16	100.00%
102. B.E. (Electrical)—PTD	12	2	10	—	10	—	10	—	—	5	1	7	—	—	—	—	—	7	100.00%
*103. M.E. (Civil)—Part I	26	5	21	—	21	—	21	—	—	—	13	—	—	—	—	—	—	13	61.90%
*104. M.E. (Mechanical)—Part I	10	2	8	—	8	—	8	—	—	—	6	—	—	—	—	—	—	6	75.00%
*105. M.E. (Electrical)—Part I	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
*106. M.E. (Metallurgy)—Part I	5	—	5	—	5	—	5	—	—	—	4	—	—	—	—	—	—	4	80.00%
107. M.E. (Civil)—Part II	1	—	1	—	1	—	1	—	—	—	1	—	—	—	—	—	—	1	100.00%
108. M.E. (Electrical)—Part II	1	—	1	—	1	—	1	—	—	—	1	—	—	—	—	—	—	1	100.00%
109. M.E. (Civil)—Part III	15	1	14	—	14	—	14	—	—	—	12	—	—	—	—	—	—	12	85.71%
110. M.E. (Mechanical)—Part III	7	—	7	—	7	—	7	—	—	—	7	—	—	—	—	—	—	7	100.00%
111. M.E. (Electrical)—Part III	9	1	8	—	8	—	8	—	—	—	7	—	—	—	—	—	—	7	87.50%
112. M.E. (Metallurgy)—Part III	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

\*No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
113. M.E. (Civil)—Part IV	9	1	8	—	8	—	8	3	4	1	—	8	—	—	—	—	—	8	100.00%
114. M.E. (Mechanical)—Part IV	3	—	3	—	3	—	3	2	1	—	—	3	—	—	—	—	—	3	100.00%
115. M.E. (Electrical)—Part IV	1	—	1	—	1	—	1	—	—	—	—	1	—	—	—	—	—	1	100.00%
*116. M.E. (Metallurgy)—Part IV	1	—	1	—	1	—	1	—	—	—	—	1	—	—	—	—	—	1	100.00%
*117. I Sem. of F.Text. (Engg. and Tech.)	83	3	80	—	80	—	80	—	—	—	41	41	—	—	—	—	—	41	51.25%
*118. II Sem. of F.Text. (Engg. and Tech.)	15	2	13	—	13	—	13	—	—	—	4	4	—	—	—	—	—	4	37.69%
*119. I Sem. of S.Text. (Engg. and Tech.)	77	2	75	—	75	—	75	—	—	—	64	64	—	—	—	—	—	64	85.33%
120. II Sem. of S.Text. (Engg. and Tech.)	23	4	19	—	19	—	19	—	—	—	7	7	—	—	—	—	—	7	36.84%
*121. I Sem. of T.Text. (Engg.)	36	1	34	—	34	—	34	—	—	—	27	27	—	—	—	—	—	27	82.35%
*122. I Sem. of T.Text. (Tech.)	46	—	46	—	46	—	46	—	—	—	36	36	—	—	—	—	—	36	78.25%
123. II Sem. of T.Text. (Engg.)	4	1	3	—	3	—	3	—	—	—	3	3	—	—	—	—	—	3	100.00%
124. II Sem. of T.Text. (Tech.)	2	—	2	—	2	—	2	—	—	—	1	1	—	—	—	—	—	1	50.00%
*125. I Sem. of B.Text. (Tech.)	40	—	39	—	39	—	39	—	—	—	36	36	—	—	—	—	—	36	92.05%
126. II Sem. of B.Text. (Tech.)	3	—	3	—	3	—	3	—	—	—	2	2	—	—	—	—	—	2	66.66%
*127. I Sem. of B.Text. (Engg.)	35	—	35	—	35	—	35	—	—	—	34	34	—	—	—	—	—	34	97.12%
128. II Sem. of B.Text. (Tech.)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
*129. M.Text. (Engg.)—Part I	2	—	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	2	100.00%
*130. M.Text. (Engg.)—Part III	2	—	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	2	100.00%
131. M.Text. (Engg.)—Part IV	1	—	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
*132. I Sem. of M.Sc. (Applied Physics)	9	1	8	—	8	—	8	—	—	—	6	6	—	—	—	—	—	6	75.00%
*133. II Sem. of M.Sc. (Applied Physics)	11	—	11	—	11	—	11	—	—	—	6	6	—	—	—	—	—	6	100.00%
*134. III Sem. of M.Sc. (Applied Physics)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
135. IV Sem. of M.Sc. (Applied Physics)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
*136. I Sem. of M.Sc. (Applied Maths.)	7	1	5	—	5	—	5	—	—	—	4	4	—	—	—	—	—	4	83.33%
*137. I Sem. of M.Sc. (Applied Chemistry)	12	—	10	—	10	—	10	—	—	—	10	10	—	—	—	—	—	10	100.00%
*138. I Sem. of F.Y. B.Sc. (Tech.)— Text. Chem.	6	—	6	—	6	—	6	—	—	—	6	6	—	—	—	—	—	6	100.00%
*139. I Sem. of S.Y. B.Sc. (Tech.)— Text. Chem.	8	—	8	—	8	—	8	—	—	—	7	7	—	—	—	—	—	7	87.05%

\*No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
*140. I Sem. of T.Y. B.Sc. (Tech.)— Text. Chem.	9	—	9	—	9	—	9	—	—	—	9	9	—	—	—	—	—	9	100.00%
*141. I Sem. of B.Pharm. I	38	1	29	8	37	—	—	—	—	—	25	25	—	—	7	7	32	—	86.48%
142. II Sem. of B.Pharm. I	3	—	2	1	3	—	—	—	—	—	2	2	—	—	—	—	—	2	66.66%
*143. I Sem. of B.Pharm. II	34	—	20	14	34	—	—	—	—	—	18	18	—	—	13	13	31	—	91.18%
*144. I Sem. of B.Pharm. III	29	1	15	13	28	—	—	—	—	—	15	15	—	—	13	13	28	—	100.00%
*145. I Sem. of B.Pharm. IV	33	—	26	7	33	—	—	—	—	—	23	23	—	—	7	7	30	—	90.09%
*146. I Sem. of B.Arch. I	39	—	28	11	39	—	—	—	—	—	25	25	—	—	8	8	33	—	84.06%
147. II Sem. of B.Arch. I	1	—	—	1	1	—	—	—	—	—	—	—	—	—	1	1	1	—	100.00%
*148. I Sem. of B.Arch. II	34	—	27	7	34	—	—	—	—	—	22	22	—	—	7	7	29	—	85.81%
149. II Sem. of B.Arch. II	4	—	2	2	4	—	—	—	—	—	1	1	—	—	2	2	3	—	75.00%
*150. I Sem. of B.Arch. III	39	—	25	14	39	—	—	—	—	—	23	23	—	—	12	12	35	—	87.07%
151. II Sem. of B.Arch. III	7	—	6	1	7	—	—	—	—	—	6	6	—	—	1	1	7	—	100.00%
*152. I Sem. of B.Arch. IV	35	1	25	9	34	—	—	—	—	—	20	20	—	—	8	8	28	—	82.04%
153. II Sem. of B.Arch. IV	7	1	3	3	6	—	—	—	—	—	1	1	—	—	3	3	4	—	44.44%
*154. I Sem. of Final Year B.Arch.	37	1	24	12	36	—	—	—	—	—	21	21	—	—	12	12	33	—	91.06%
155. II Sem. of Final Year B.Arch.	10	1	9	—	9	—	—	—	—	3	3	6	—	—	—	—	6	—	66.06%
156. Second LL.B. (General)—Old Course	6	—	6	—	6	—	—	—	—	—	4	4	—	—	—	—	4	—	66.66%
157. LL.B. (Special)	26	—	26	—	26	—	—	—	—	2	9	11	—	—	—	—	11	—	42.30%
158. Diploma in Taxation Laws	31	10	20	1	21	—	—	—	—	—	—	9	—	—	—	—	9	—	42.07%
159. Diploma in Labour Laws	27	13	14	—	14	—	—	—	—	—	6	6	—	—	—	—	6	—	42.85%
*160. LL.M.—Part I	13	1	10	2	12	—	—	—	—	—	—	2	—	—	—	—	2	—	16.66%
161. LL.M.—Part II	16	4	12	—	12	—	—	—	—	1	—	1	—	—	—	—	1	—	08.33%

\*No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
162. B.Sc. (Home)	38	—	—	—	38	38	—	—	—	—	—	—	—	—	—	—	—	—	—	86.84%
163. P.G. Dip. in Pre-School Education	1	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	100.00%
164. P.G. Diploma in Dietetics	6	1	—	5	5	—	—	—	—	—	—	—	—	—	2	3	5	5	—	100.00%
165. M.S.W.	3	—	3	—	3	—	—	—	—	—	—	3	—	—	—	—	—	—	—	100.00%
*166. P.G. Diploma in Industrial Relation and Personnel Management	16	—	15	1	16	—	—	—	—	—	—	15	—	—	—	—	—	—	—	100.00%
*167. Ph.D. (Arts)	3	—	3	—	3	—	—	—	—	—	—	3	—	—	—	—	—	—	—	3
*168. Ph.D. (Science)	6	—	5	1	6	—	—	—	—	—	—	5	—	—	—	—	—	—	—	6
*169. Ph.D. (Edu. and Psy.)	4	—	3	1	4	—	—	—	—	—	—	3	—	—	—	—	—	—	—	4
*170. Ph.D. (Medicine)	1	—	1	—	1	—	—	—	—	—	—	1	—	—	—	—	—	—	—	1
*171. Vachaspati	1	—	1	—	1	—	—	—	—	—	—	1	—	—	—	—	—	—	—	1

For Ph.D. Thesis—Information given from 1-9-1978 to 31-12-1978.

†Passed with A Grade.

‡Passed with B Grade.

§Passed with C Grade.

\*No Class is awarded.

**CAPITAL ACCOUNTS**  
**I—University General Fund**

( Subject to Audit )

1978-79

Receipts	Rs.	P.	Payments	Rs.	P.
Opening Balance as on 1-4-1978	8,85,541-14		Building Works	1,53,828-54	
Interest	38,806-06		Replacement of Pumps and Materials for Bores at Ketkibaug, Polytechnic, Adhyapaka Kutir and Kalabhavan Wells	91,387-00	
Loan for construction of Buildings from the Government of India, Ministry of Education and Youth Services, New Delhi for the construction of a Students' Hostel for 140 students under the scheme of Introduction of Post-graduate Courses in Technology and Engineering	1,59,000-00		Purchase of Furniture for the new library for Under-graduate Students	77,304-00	
Grant from the State Government towards works of original nature approved by the Government	8,000-00		Closing Balance	7,68,827-66	
Grant from the State Government for Water Supply Scheme in the University Campus and replacement of pumps	—				
Grant from the U.G.C. for Water Supply Scheme	—				
<b>Total</b>	<b>10,91,347-20</b>		<b>Total</b>	<b>10,91,347-20</b>	

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**II—Ayurvedic Research Fund**

( Subject to Audit )

1978-79

Receipts	Rs.	P.	Payments	Rs.	P.
Opening Balance as on 1-4-1978	12,01,586-60		Amount transferred towards the excess recurring expenditure over the State Government Grant during the year	4,13,797-17	
Interest	1,19,049-89		Closing Balance	12,06,839-32	
<b>Total</b>	<b>13,20,636-49</b>		<b>Total</b>	<b>13,20,636-49</b>	

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**III—Post-graduate Instruction and Research Fund**

( Subject to Audit )

1978-79

Receipts		Payments	
Rs.	P.	Rs.	P.
Opening Balance as on 1-4-1978	43,85,077-70	( i ) Expenditure on Research Schemes (including Research Assistants)	73,992-90
Interest	4,27,768-61	( ii ) Two Post-Doctoral Fellowships @ Rs. 400/- p.m. each and Contingency Grant @ Rs. 1,000/- p.a. each	10,444-97
		( iii ) 12 Scholarships of Rs. 250/- p.m. and Contingent Grant of Rs. 500/- p.a. per Scholar	25,543-84
		( iv ) Closing Balance	47,02,864-60
<b>Total</b>	<b>48,12,846-31</b>	<b>Total</b>	<b>48,12,846-31</b>

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**REVENUE ACCOUNTS**

( Subject to Audit )

1978-79

Appendix IX

Sr. No.	Particulars	Receipts		Sr. No.	Particulars	Disbursements	
		Rs.	P.			Rs.	P.
1	2	3	4	5	6		
I (A)	Grants from the State Government (1 to 2)	2,67,96,516-00		I	University General Administration	15,95,435-41	
(1)	Block Grant from the State Government	1,57,26,000-00		II	Examination Charges (1 to 13)	15,14,339-06	
(2)	Additional Block Grants from the State Government	1,10,70,516-00		III	Publications	68,562-63	
(a)	Towards the expenditure on Development Plan Schemes which have completed five years or stipulated period and hence become 100% liability of the State Government			IV	Remuneration to Lecturers	1,666-00	
(b)	100% Grants towards the additional expenditure on the increase in rates of Dearness Allowance, House Rent Allowance and Compensatory Local Allowance during the currency of the Triennium			V	Travelling Allowance	92,238-96	
				VI	Printing, Stationery and Postages	1,49,688-81	
				VII	Interest on Bank Overdraft	8,18,501-63	
				VIII	Maintenance of Buildings and Roads (including Residential Quarters and N.C.C. Buildings)	6,76,068-04	
				IX	Maintenance of Gardens	1,17,603-17	
				X	Games, Sports and Students' Welfare and other Activities	8,55,730-39	
		22,00,000-00					

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(c)	3½% Grant on the Wage Bill of the preceding year on a cumulative basis during each year of the triennium for annual increments etc.	31,05,516-00	XI	Miscellaneous (A, B and C)	3,26,433-52
(d)	Towards Insurance Charges on Insurance of Buildings, Equipment and Books	—		(A) Membership and Contribution	21,074-40
(e)	Towards filling up of vacant posts (Subject to State Government's approval)	—		(B) Office Equipment	20,394-07
(f)	Towards Works of ordinary Repairs to Buildings	1,44,000-00		(C) Other Items	2,84,965-05
(g)	Towards the approved works of Special Repairs to University-Buildings	2,21,000-00		XII	Faculties and Institutions
(h)	Towards the revision of Salary Scales of University Teachers from 1-1-1973 under Fifth Five Year Plan and increase in rates of D.A. and other Allowances	—		Faculties :	
(i)	Towards Implementation of partly D.A. merged scales from 1-6-1967 and towards the revision of salary scales 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	44,00,000-00		(a) Faculty of Arts	26,49,511-11
				(b) Faculty of Science	59,91,037-92
				(c) Faculty of Edu. and Psy.	16,59,968-81
				(d) Faculty of Commerce	12,07,099-43
				(e) Faculty of Tech. and Engg.	78,12,414-81
				(f) Faculty of Law	3,17,642-03
				(g) Faculty of Fine Arts	11,01,985-63
				(h) Faculty of Home Science	17,52,843-57
				(i) Faculty of Social Work	5,27,478-04
				Institutions :	
				(j) Oriental Institute	3,38,362-47
				(k) College of Indian Music, Dance and Dramatics	9,90,514-66
				(l) Preparatory Unit—Arts and Commerce	81,969-87

(j)	Towards revision of salary scales of Teachers of the Polytechnic on the recommendations of the Gujarat State Second Pay Commission from 1-1-1973	10,00,000-00	XIII	Preparatory Unit—Science	45,640-19
(B)	Grant from the University Grants Commission towards the Grants Commission Unit in the University	12,000-00		(m) Sanskrit Mahavidyalaya	1,97,373-48
				(n) Shri M. K. Amin Arts and Science College and College of Commerce, Padra	7,54,444-26
II	Fees from Students (A + B + C)	85,37,933-08		(p) Polytechnic (Diploma courses in Civil, Mechanical and Electrical Engineering and Petrochemicals)	43,09,361-89
(A)	Academic :			(q) Extended Diploma courses in Civil, Mechanical and Electrical Engineering	1,06,767-57
(i)	Tuition Fees and Miscellaneous Income from Faculties and Institutions	69,38,538-39		(r) Centre for Advanced Study in Education	1,56,385-89
				XIII (a) Smt. Hansa Mehta ( University ) Library	11,93,325-48
(a)	Faculty of Arts	10,32,285-50		(b) Sir Sayajirao Memorial Trust Library	24,571-74
(b)	Faculty of Science	9,25,591-21	XIV	University Guest House	49,736-86
(c)	Faculty of Education and Psychology	4,36,388-00		XV	University Auxiliary Services
(d)	Faculty of Commerce	11,74,245-50		(a) M. S. University of Baroda Press (Sadhana Press)	10,28,445-77
(e)	Faculty of Technology and Engineering	15,46,982-43		(b) M. S. University Stationery Unit	3,95,658-76
(f)	Faculty of Law	4,18,739-10		(c) M. S. University Publication Sales Unit	60,307-55
(g)	Faculty of Fine Arts	96,432-70			
(h)	Faculty of Home Science	3,92,343-80			
(i)	Faculty of Social Work	69,512-00			

1	2	3	4	5	6
	<i>Institutions :</i>				
(j)	College of Indian Music, Dance and Dramatics		XVI Halls of Residence for Students		22,89,601-03
(k)	Sanskrit Mahavidyalaya	82,074-05	XVII Sheth U.P. Ayurvedic Research Unit		1,45,698-72
(l)	Shri M. K. Amin Arts and Science College and College of Commerce, Padra	142-80	XVIII Net Expenditure on Development Schemes which have completed the Matching Share period		1,67,158-55
(m)	Polytechnic (Diploma courses in Civil, Mechanical and Electrical Engineering and Model Diploma courses in Petrochemicals)	3,21,300-00			
(n)	Extended Diploma Courses	3,54,760-30			
(ii)	Fees for Enrolment etc.	50,131-00			
(a)	For Enrolment Certificate	33,270-00			
(b)	For Post-graduate Registration	4,340-00			
(B)	Examination Fees	12,39,885-19			
(C)	Other Fees	3,59,509-50			
III	Income from Halls of Residence for Students	8,64,888-00			
IV	Income from Buildings Lands and other Properties	5,28,719-49			
V	Health Service—University Health Centre	10,293-60			

1	2	3	4	5	6
VI	University Auxilliary Service (a + b + c)	12,74,551-27			
(a)	Income from M. S. University of Baroda Press (Sadhana Press)	7,18,869-70			
(b)	Income from M. S. University Stationery Unit	3,79,636-00			
(c)	Income from Publications	1,76,045-57			
VII	Miscellaneous Receipts	1,36,813-25			
VIII	Sheth U.P. Ayurvedic Research Unit	1,45,698-72			
(1)	State Government Grant	30,000-00			
(2)	Income from Out-patient Ward	1,901-55			
(3)	Excess Recurring Expenditure met from Ayurvedic Research Fund	1,13,797-17			
	Total	3,83,12,747-74			
	Add: Excess of Disbursement over receipt i.e. DEFICIT	30,58,831-97			
	Grand Total	4,13,71,579-71			Grand Total 4,13,71,579-71

UNIVERSITY OF BARODA

during 1978-79

	Shri Rabinranath Tagore Hall	Shri M. Vishvesaraya Hall	Siddharaj Jaysinh Hall	Total	V. S. Hall	Boys Total	Smt. Sarojini Devi Hall	Smt. Hansa Mehta Hall	Pandita Gargi Hall	Kasturba Gandhi Hall	Girls Total	Grand Total
	10	11	12	13	14	15	16	17	18	19	20	21
	4	11	8	87	104	104	14	13	17	13	57	151
	32	22	23	180	5	185	12	8	14	4	38	223
	31	17	36	275	56	331	39	25	25	12	101	432
	—	1	2	21	1	35	9	10	9	3	31	66
	160	125	154	1189	17	1215	8	5	9	1	23	1238
	55	70	64	277	—	277	—	—	—	—	—	277
	31	12	9	175	4	179	18	23	5	4	50	229
	—	—	2	6	11	17	9	3	—	—	12	29
	4	16	16	106	9	115	26	11	12	7	56	171
	1	2	3	10	1	11	7	2	—	—	9	20
	6	4	6	38	1	39	6	4	1	—	11	50
	5	3	3	37	—	37	—	—	—	1	1	38
	—	—	—	—	6	6	1	—	—	—	1	7
	—	—	—	—	—	—	85	74	68	42	269	269
	329	283	326	2410	141	2551	234	178	160	87	659	3210

THE MAHARAJA SAYAJIRAO

Statement showing Residence

Faculty/Institution	Shri K. M. Munshi Hall	Shri Manubhai Mehta Hall	Shri Maharshi Arvind Hall	Shri Sardar Patel Hall	Professor T. K. Gajjar Hall	Dr. Jivraj Mehta Hall	Lal Bahadur Shastri Hall	Shri Nusservanji Vakil Hall
1	2	3	4	5	6	7	8	9
Arts	—	14	2	4	10	7	18	9
Commerce	9	16	10	14	22	11	11	10
Science	13	16	69	23	23	18	14	15
Education and Psychology	1	3	—	—	5	—	3	6
Technology and Engineering	85	112	73	100	142	99	66	82
Polytechnic	7	12	7	17	6	5	12	22
Medicine	43	5	14	13	6	29	6	7
Social Work	1	—	1	—	—	—	2	—
Fine Arts	7	8	9	12	7	10	10	7
Music	—	—	—	—	3	—	1	—
Law	1	2	1	3	—	3	3	9
Padra College	1	2	—	3	1	16	3	—
I.A.S. Trg.	—	—	—	—	—	—	—	—
Home Science	—	—	—	—	—	—	—	—
Total	168	190	186	189	225	198	149	167

## Grants for Development and Research Schemes—1978-79

Sr.No.	Name of the Agency	Grant	
		Rs.	P.
1.	University Grants Commission	53,79,168	80
2.	Ministry of Education, Government of India	3,41,518	57
3.	Council of Scientific and Industrial Research	36,052	89
4.	Indian Council of Social Science Research	35,247	17
5.	Government of Gujarat ( Matching Grant )	7,80,933	26
6.	Government of Gujarat ( Research and other Schemes )	1,43,871	55
7.	Grant from Government of India	1,92,050	00
8.	United States Department of Agriculture ( AM-PL-480 Programmes )	62,980	43
9.	Central Social Welfare Board	1,46,445	00
10.	National Council of Educational Research and Training	80,000	00
11.	Indian Council of Agricultural Research	2,18,800	00
12.	Ministry of Defence Research and Development Organisation	10,000	00
13.	Indian Council of Historical Research	8,050	00
14.	Ministry of Health	1,00,500	00
15.	Inter-University Board National Sports Organisation Scholarship N.S.O. Programme	1,000	00
16.	Grant from Ford and Rockefeller Foundation	1,48,546	70
17.	Grant from Indian Petrochemicals Corporation Ltd.	21,400	00
18.	Grant from Government of India Space Applications Centre	4,648	31
19.	Indian Council of Medical Research	9,588	35
<b>Total</b>		<b>77,29,801</b>	<b>03</b>



NOT TO BE ISSUED

REFERENCE COLLECTION