

35

*M.S. University of Baroda*

*Thirty Fifth  
Annual Report*

1983-84

35  
ANNUAL  
REPORT  
1983  
● 84



Maharaja Sayajirao  
University of Baroda

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इन्द्रं मित्रं वरुणमग्निमाहुरथो दिव्यः स सुपर्णो गरुत्मान् ।  
एकं सद् विप्रा बहुधा वदन्ति क्षत्रिं यमं मातरिश्वानमाहुः ॥



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# 35 ANNUAL REPORT

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सत्यं शिवं सुन्दरम्

Maharaja Sayajirao  
University of Baroda

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BARODA

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- Prof. (Smt.) Amitaben B. Verma, Ag. Vice-Chancellor, Chairman  
Dr. (Miss) Jayshree Mehta, Faculty of Medicine  
Prof. R. N. Mehta, Department of English, Faculty of Arts  
Prof. Rummy Mistry, Faculty of Technology and Engineering  
Prof. (Mrs.) Arvinda Chandra, Education and Extension Deptt.,  
Faculty of Home Science  
Dr. Rajendra Nanavati, Sanskrit Department, Faculty of Arts  
Dr. R. T. Vyas, Deputy Director, Oriental Institute  
Professor Gulam Mohammed Sheikh, Head, Department of Painting,  
Faculty of Fine Arts  
Prof. V. M. Shah, Head, Department of Mathematics, Faculty of Science  
Dr. I. D. Bhatt, Reader, Faculty of Education and Psychology  
Dr. A. G. Patel, Head, Department of Accounts, Faculty of Commerce  
Shri Anil Navale, Faculty of Social Work

### OFFICERS OF THE UNIVERSITY

#### Visitor

Smt. Sharda Mukherjee  
Governor of Gujarat

#### Chancellor

Shri Fatehsinhrao Gaekwad

#### Vice-Chancellor

Professor B. C. Parekh

#### Pro-Vice-Chancellor

Professor K. C. Mehta

#### Deans :

Faculty of Arts

Professor A. P. Rana

Faculty of Science

Professor V. V. Modi

Faculty of Education and Psychology

Professor D. B. Desai

Faculty of Commerce

Professor G. C. Beri

Faculty of Medicine

Professor O. D. Gulati

Faculty of Technology and Engineering

Professor Dipak Kumar De

Faculty of Law

Professor H. C. Dholakia

Faculty of Fine Arts

Professor J. D. Patel

Faculty of Home Science

Professor (Smt.) Amita B. Verma

Faculty of Social Work

Shri K. M. Sharma

#### Registrar

Shri K. A. Amin

#### Librarian

Dr. L. M. Padhya

#### Other Officers :

I/c Director, Oriental Institute

Professor S. G. Kantawala

Principal, College of Indian Music,  
Dance and Dramatics

Professor C. V. Chandrashekhar

Principal, Sanskrit Mahavidyalaya

Shri. B. P. Pandya

Principal, Polytechnic

Prof. H. V. Bhavnani

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

Shri O. P. Joneja

In-charge Director, Continuing/Adult  
Education and Community Services

Professor (Kum.) Malathi  
Chakravorty

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*One could say of Baroda under Shriment Maharaja Sayaji Rao Gaekwad that 'what Baroda does today the rest of India does tomorrow'. Maharaja Sayaji Rao was the first to introduce compulsory primary education in the State in 1906. He believed that merely literacy would have no value unless some provision is made so that people don't lapse into illiteracy. He therefore started the Library movement which was unique in India. Maharaja Sayaji Rao was responsible for many progressive legislative acts such as the monogamy act, the divorce act etc. The most outstanding legislation was the Purohit act which made it compulsory for every officiating priest to get proper training and to explain the rites of ceremony in the Gujarati language. An elected State legislative assembly was also introduced by him. He encouraged scholars and artists from all over the world to come to Baroda and he made Baroda centre for art, education and culture.*

J. M. MEHTA



On behalf of the Syndicate I have great pleasure in submitting to the Senate the thirty-fifth annual report of the University during the year 1983-84.

The year has been one of great many achievements. During the year the University Grants Commission approved the VIth Five Year Plan Schemes for Humanities, Social Sciences and Sciences aggregating Rs. 93.46 lakhs. Also for the first time the U G C in addition, sanctioned grants for the development of undergraduate education to the tune of Rs. 30 lakhs. Special Assistance Programmes for Political Science, Microbiology, Geology and Economics Departments and the Departmental Research support for Botany, Zoology and Chemistry Departments were sanctioned by the U G C during the year, involving an amount of Rs. 148.97 lakhs. Microbiology Department was also selected for COSIST. The significance of such massive U G C support lies in the potential of creating a qualitative transformation in several of our Departments.

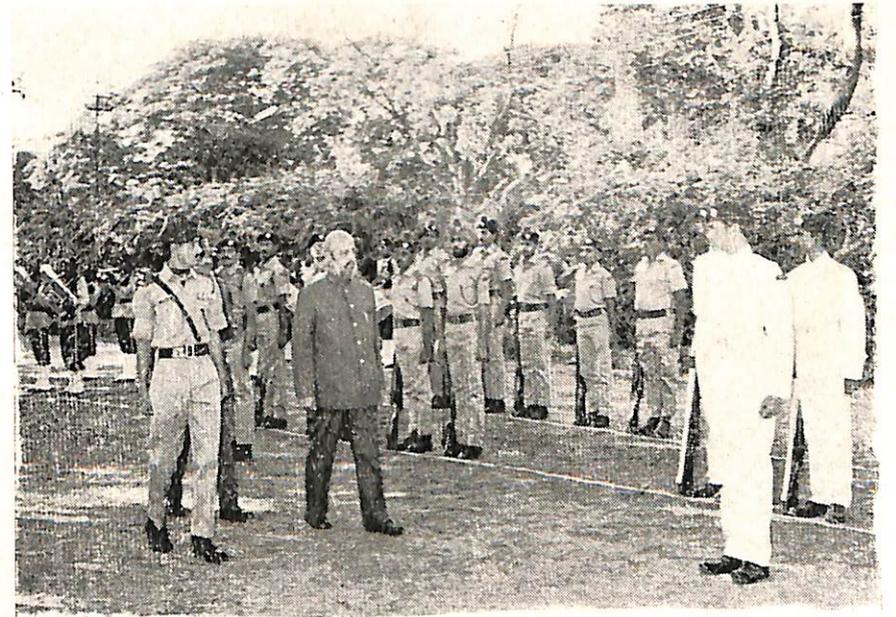
During the year were taken the far reaching decisions of creating two new Faculties—Faculty of Performing Arts and the Faculty of Management Studies. The Rotation of Headships and the Merit Promotion Scheme were implemented during the year. These two measures have brought about a structural change in the University. A New Library Building for the Faculty of Technology was completed. Amenities for the staff and students such as the extension of hostels, Health Centre, fans in the hostels, staff quarters, extensions for departmental buildings have been approved by the U G C. The University Guest House Extension has also been approved.

Scholarly activities continued at a high tempo. Research activities continued to receive support from a wide variety of sources. Scholars from India and abroad have visited and lectured in various Departments and Faculties. A large number of Seminars and Conferences, including an International Conference on Political Philosophy and Seminar on University and Community sponsored by National Commission of Teachers—II were held during the year.

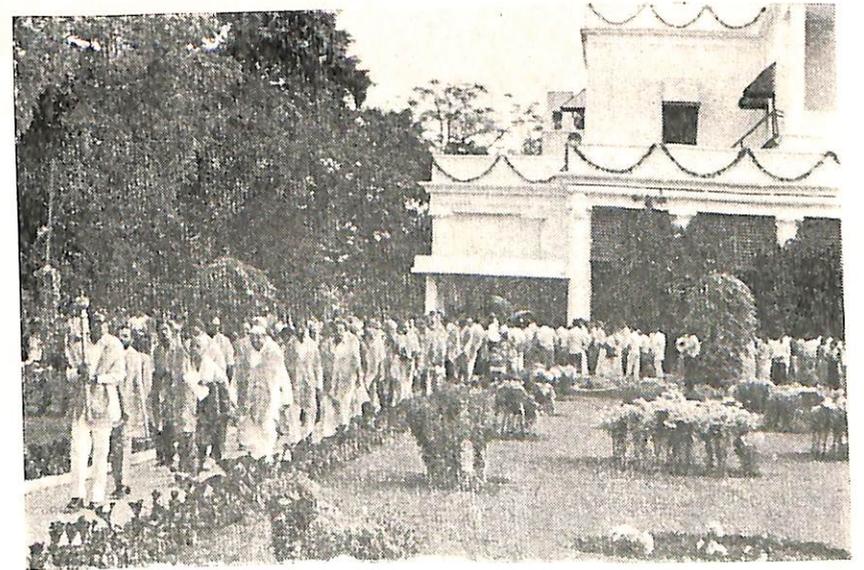
b

While there are many achievements to the credit, some of the old problems still persist. The pressure of numbers on the Faculty of Commerce is unrelenting. Amenities by way of hostels, common rooms, library and reading rooms and staff Quarters are still short. Our Laboratories and Workshops need more support by way of men and material. The administration in the University Office and Faculty Offices continues to be woefully short of personnel and equipment. These problems are no doubt common to other Universities in the State. We need to make a concerted effort to persuade the State Government to take a liberal view of needs of the Universities in this regard.

Amita Verma,  
Ag. Vice-Chancellor



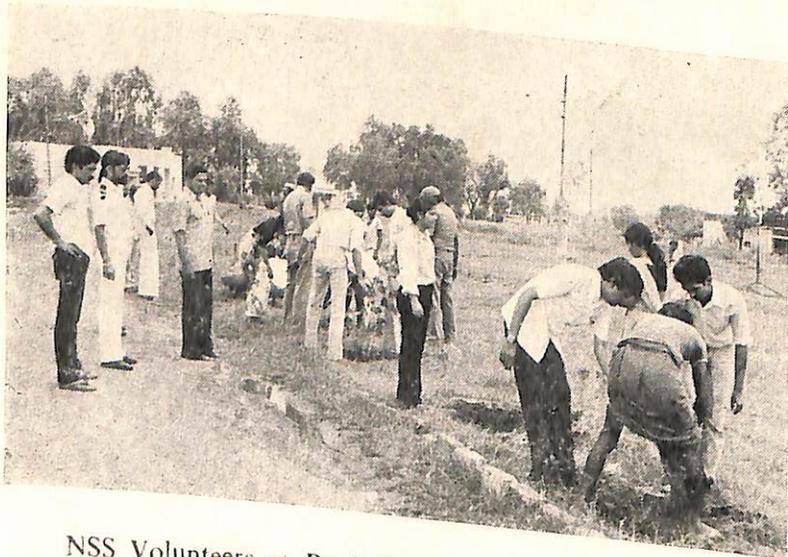
Guard of Honour by NCC Cadets



Procession of Annual Convocation



Bhoomija—A Dance Ballet



NSS Volunteers at Ravi-Van Tree Plantation Project

## CHAPTER I

### 1. Institutions in University

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

(1) Faculty of Arts, (2) Faculty of Science, (3) Faculty of Education and Psychology, (4) Faculty of Commerce, (5) Faculty of Medicine, (6) Faculty of Technology and Engineering, (7) Faculty of Fine Arts, (8) Faculty of Home Science, (9) Faculty of Social Work, (10) Faculty of Law, (11) Oriental Institute, (12) Faculty of Performing Arts, (Previously 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. Student Enrolment

The number of University students during the year was 20,600 (14,229 men students and 6,371 women students), that of Non-University students was 1,272 men students and 719 women students. The details of the student enrolment are given in Appendices I-(b) and VII.

The number of students belonging to the Scheduled Castes during the year was 526, while that of those belonging to the Scheduled Tribes was 284. There were also 203 students in various Faculties/Institutions who belonged to Socially and Economically Backward class (Baxi Punch). 22 disabled students were admitted. The year under report recorded 104 foreign students.

### 3. Convocations

(i) The Thirty-third Annual Convocation was held in the University Garden, Baroda on Saturday, 10th December, 1983. Dr. B. C. Parekh, the Vice-Chancellor presided. Dr. Mulk Raj Anand delivered the Convocation Address. 4,648 degrees and diplomas were conferred.

- (ii) The Twenty-Fourth Supplementary Convocation was held on Saturday, 5th May, 1984 in the General Education Auditorium, Baroda. Dr. B. C. Parekh, Vice-Chancellor presided. 835 degrees and diplomas were conferred. Appendix XIV gives details of degrees and diplomas conferred.

#### 4. Special Features of the Year

##### (i) New Courses :

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

##### (ii) Conferences, Seminars and Workshops :

- (1) Seminar on Trace Analysis Techniques in Analytical and Pharmaceutical Chemistry 27-6-1983 to 29-6-1983 (Technology and Engineering).
- (2) Workshop of Model syllabus for Post-Graduate courses in Economic Theory 3-7-1983 to 6-7-1983 (Arts)
- (3) Saurashtra Itihas Parishad 27th and 28th October, 1983 (Arts).
- (4) National Seminar on Impact of Vaishnavism on the Indian Arts 28-11-1983 to 2-12-1983 (Fine Arts).
- (5) Satellite Symposium on Genetics and Future of man 8-12-1983 to 10-12-1983 (Science).
- (6) National Commission of Teachers-II Seminar on University and Community—16th and 17th January, 1984 (Education and Psychology).
- (7) Seminar on Amphibolites, their Minerology, Petrology, Genesis and Geodynamic significance 12-2-1984 to 14-2-1984 (Science).
- (8) Interchapter meeting of all chapters of Indian Association for Gujarat State—19th February, 1984 (Science).
- (9) Seminar on Akhyana in Gujarati Poetry—A Re-evaluation—8-3-1984 to 16-3-1984 (Arts).
- (10) International Conference on Political Philosophy—19-3-1984 to 22-3-1984 (Arts).

##### (iii) Special Lectures for the year 1983-84 :

##### Tagore Chair in Humanities :

- (1) Professor Douglas Hooper, Professor and Head, Department of Social Administration, University of Hull, England, delivered four lectures and gave four seminars under this endowment at the Faculties of Home Science, Social Work and Medical College between 20-9-1983 and 2-10-1983.

- (2) Professor W. H. Greenleaf, Department of Political Theory, University College of Swansea, Swansea (U.K.) delivered six lectures under this endowment at the Faculty of Arts between 8-12-1983 and 15-12-1983.
- (3) Professor Bill Prescott, Dean, Faculty of Education, Open University, U.K. delivered lectures and gave seminars under this endowment at the Faculty of Education and Psychology, between 27-2-1984 and 10-3-1984.

##### (4) The Maharaja Sayajirao Memorial Lectures :

###### Lectures

###### Programme

Dr. S. I. Qusim, Monday, 5th March, 1984.  
Secretary to the Government of India  
Department of Ocean Development,  
New Delhi.

- (iv) For the first time in the history of this University two new Faculties viz. Faculty of Performing Arts and Faculty of Management Studies were established in the Senate of March, 1984.
- (v) The University Grants Commission gave its approval for various development programmes as shown below :

##### (a) Sixth Five Year Plan Schemes of Humanities, Social Sciences and Sciences : (Figures in Lakhs).

Rs. 16.35	Books and Journals
Rs. 14.55	Equipments
Rs. 41.35	Buildings
Rs. 5.30	Miscellaneous
Rs. 15.91	Staff

Total Rs. 93.46

##### (b) Special Assistance Programme in Political Science Department

Rs. 11.07	Recurring
Rs. 6.65	Non-Recurring

Total Rs. 17.72

##### (c) Special Assistance Programme in Microbiology Department

Rs. 10.50	Recurring
Rs. 14.79	Non-Recurring

Total Rs. 25.29

## (d) Special Assistance Programme in Geology Department

Rs. 12.30 Recurring  
Rs. 18.00 Non-Recurring

Total Rs. 30.30

## (e) Special Assistance Programme in Economics Department

Rs. 13.50 Recurring  
Rs. 8.50 Non-Recurring

Total Rs. 22.00

## (f) Departmental Research Support for Botany Department

Rs. 7.83 Recurring  
Rs. 8.96 Non-Recurring

Total Rs. 16.79

## (g) Departmental Research Support for Zoology Department

Rs. 5.02 Recurring  
Rs. 9.50 Non-Recurring

Total Rs. 14.52

## (h) Departmental Research Support for Chemistry Department

Rs. 6.85 Recurring  
Rs. 15.50 Non-Recurring

Total Rs. 22.35

## (i) COSIST Programme in Microbiology Department

Rs. 31.80 Non-Recurring

## (j) Development of Under-graduate Education

Rs. 30.00

## (vi) Development Scheme :

Schemes for development and research are financed by the University Grants Commission, the University, Ministries of the Central Government, Departments of the Gujarat Government, Indian Council of Scientific and Industrial Research (CSIR), Indian Council of Social Science Research (ICSSR), Indian Council of Medical Research (ICMR), Indian Council of Agricultural Research (ICAR), United States Department of Agriculture (USDA), Indian Space Research Organization (ISRO) Department of Science and Technology (DST) and Several other agencies. The details are given in Chapter V.

## (vii) Buildings :

During the year 1983-84 the following buildings were completed and handed over to the respective Departments:

1. Additions and Extension to the Faculty of Science Building for accommodating additional area for the Departments of Mathematics, Statistic and Botany.
2. Special Assistance for Building of Bio-Chemistry Department, Faculty of Science (Phase-II).
3. Shed for Civil Engineering Department over first floor of P.-G. Hydraulic Laboratory.
4. New Library Building for the Faculty of Technology and Engineering.
5. Shed for Applied Mechanics and Architecture Department.
6. Extension to Building for Mechanical Engineering Department.
7. Second floor extension to the Main University Office Building.
8. Laying work of Cast Iron supply pipes and delivery pipes, Elect. Installation work for the overhead tank and underground pump at Polytechnic were completed. On obtaining Elect. power connection from B.M.C. it will become operative.

During the VI Five Year Plan, the University has been allotted grant by U.G.C. of approx. Rs. 1,00,000,00/- for different works as under :

1. University Guest House.
2. Extension to different Departments of Faculties of Science.
3. Extension to different Departments of Faculty of Fine Arts.
4. Extension to different Departments of Faculty of Home Science.
5. Extension to Men's Hostel.
6. Extension to Women's Hostel.
7. Extension to Political Science and Faculty of Arts.
8. Construction of Lecturers and Readers Quarters.
9. Extension to Health Centre.
10. Purchase and Installation of Ceiling Fans in Halls of Residence.

Work is in progress except for Sr. No. 8.

## (viii) Silver Jubilee Fund

## (A) Consolidated statement of Receipts and Expenditure :

	General Fund		Specific Fund		Total Silver Jubilee Fund	
	Rs.	P.	Rs.	P.	Rs.	P.
Opening Balance as on 1-4-1983	29,07,777-61		55,59,537-37		84,67,314-98	

Add :

( i ) Donations received during the year	1,000-02	41,193-57	42,193-59
( ii ) Interest received during the year	2,92,812-70	4,73,511-58	7,66,324-28
Total Receipts	2,93,812-72	5,14,705-15	8,08,517-87
Total	32,01,590-33	60,74,242-52	92,75,832-85

Less :

Expenditure :

( i ) Upto 31-3-1983	1,26,313-02	8,37,459-61	9,63,772-63
( ii ) From 1-4-1983 to 31-3-1984	8,551-29	2,79,353-12	2,87,904-41
Total Expenditure	1,34,864-31	11,16,812-73	12,51,677-04
Closing Balance of the Fund as on 31-3-1984	30,66,726-02	49,57,429-79	80,24,155-81

Receipts and Expenditure are as under :—

( B ) Receipts during the year :

General Fund :

1. Donation from students in U.S.A.	1,000-02	
2. Interest on Bank Deposits and Bank Savings Bank Account	2,92,812-70	2,93,812-72

Specific Funds :

1. Sixth instalment due from the Reserve Bank of India Bombay, for establishment of Research Cell in Banking in the Faculty of Commerce	33,239-41	
2. Donation for Poor Boys Fund from M. S. University in U.S.A.	7,954-16	
3. Interest on Bank Fixed Deposit Receipts	41,193-57	5,14,705-15
	4,73,511-58	
Total		8,08,517-87

( C ) Expenditure during the year :

General Fund :

( i ) Salary of one Part-time Clerk

2,400-00

( ii ) Payment to Dr. S. M. Sen towards travel cost for deputation to U.S.A.	795-40
( iii ) Payment to Bhagwat Saptah Food subsidy Fund for the Hostel Students of Baroda Sanskrit Mahavidyalaya	5,355-89
Total	8,551-29
( D ) Specific Funds :	
( i ) I.P.C.L. Centre for studies in National and International Development in the Department of Economics, Faculty of Arts	56,210-48
( ii ) "Research Cell in Banking by the Reserve Bank of India, Bombay" in the Banking Department, Faculty of Commerce	35,458-03
( iii ) G.S.F.C. Chair in the Faculty of Technology and Engineering	—
( iv ) "Pujya Ramchandra Keshav Dongre Vedadhyayan and Vedotkarsha Fund in Baroda Sanskrit Mahavidyalaya	14,629-03
( v ) Research Projects or "Pellatization of Alumina" and "Grain Refinement of Aluminium" in the Faculty of Technology and Engineering	721-89
( vi ) O.N.G.C. Senior Research Fellowship in Applied Chemistry Department, Faculty of Technology and Engineering	8,287-16
( vii ) Indian Oil Corporation Senior Research Fellowship at Chemical Engineering Department, Faculty of Technology and Engineering	999-04
( viii ) Prince Dhairyashilrao Sayajirao Gaekwad Scholarship at Faculties of Arts, Social Work and Home Science	1,160-00
( ix ) "Shri Ambalal Sarabhai Research Centre in Pharmacy," Faculty of Technology and Engineering	1,56,051-93
( x ) Donation for Research in Textiles, Faculty of Technology and Engineering	2,365-95
( xi ) Professor S. K. Roy Gold Medal	720-00
( xii ) Shri K. H. Patel Gold Medal	800-00
( xiii ) Sayaji Iron Gold Medal	880-00
( xiv ) Visnagar Taluka Majoor Sahakari Mandali Limited Gold Medal	800-00
( xv ) Paramount Gold Medal	720-00
Total	2,79,803-51

Less : Received by re-Imbursement towards expenditure incurred earlier for the Project on "Development of Terro-Fluids and their Applications" at the Faculty of Technology and Engineering

450-32

Total 2,79,353-12

### 5. Teaching Staff

The teaching staff excluding teachers in the Medical College consisted of 97 Professors, 207 Readers, 578 Lecturers, 79 Teaching Assistants, 61 Part-time, 11 Honorary, Research and other teachers, the total being 1033. (Appendix XV)

### 6. Facilities to the Teaching Staff for further studies

(i) Teachers who are granted facilities for Participation in Conferences and Seminars etc. in India and Abroad during the year 1983-84:

Sr.No.	Name	Purpose
1.	Prof. Y. K. Agrawal, Pharmacy, Tech. and Engg.	To attend the International Solvent Extraction Conference at Denver, Colorado, U.S.A 26 August to 2nd September, 1983.
2.	Dr. K. Athirajulu, Chemical Engineering, Tech. and Engg.	International Seminar on Development of Petrochemical Industry (1983) organised by the Northern India, Regional Centre, I.I.E.H.E., New Delhi, 29 and 30 September, 1983.
3.	Dr. Y. K. Agrawal, Pharmacy, Tech. and Engg.	35, Indian Pharmaceutics Congress at Hyderabad, 18 to 20 December, 1983.
4.	Dr. S. K. Agrawal, Metallurgical Engg., Tech. and Engg.	37th Annual Technical Meeting of the Indian Institute of Metals at Varanasi, 14 to 17 November, 1983.
5.	Prof. Y. K. Agrawal, Pharmacy, Tech. and Engg.	International Symposium on Advances in Drug Delivery Systems at Kalina, Bombay 27 to 29 January, 1984.
6.	Prof. Y. K. Agrawal, Pharmacy, Tech. and Engg.	National Symposium on Association Spectro Photometry at Bombay, 13 to 15 February, 1984.
7.	Dr. (Mrs.) R. K. L. Padmini Agrawal, Applied Physics, Tech. and Engg.	Workshop on Medical Ultrasonics, Measurements at National Physical Laboratory, New Delhi, 1 and 2 March, 1984.

Sr.No.	Name	Purpose
8.	Prof. P. K. Bhattacharya, Chemistry, Science	Indian Council of Chemists at Dharwar (Karnatak), 28 to 30 October, 1983.
9.	Dr. I. D. Bhatt, Psychology, Edu. and Psy.	Annual Conference on Indian Science Congress Association at Ranchi, 2 to 8 January, 1984.
10.	Dr. S. J. Bedi, Botany, Science	Ist Annual Convention and Symposium of the Indian Air Pollution Control Association Institute of Technology at New Delhi, 23 to 25 November, 1983.
11.	Shri R. Balaraman, Pharmacy, Tech. and Engg.	16th Annual Conference of Indian Pharmacological Society at Ajmer, 28 to 30 December, 1983.
12.	Dr. Rohit V. Bhatt, Obst. and Gyna., Medicine	27th All India Congress of Obst. and Gyna. at Madras, 20 to 24 December, 1983.
13.	Dr. (Mrs.) Gayatri Banerjee, Pharmacology cum-Biology, Tech. and Engg.	National Symposium on Biotechnology of Medicinal, Aromatic and Timber yielding Plants at Calcutta, 12 and 13th January, 1984.
14.	Shri J. D. Bhatt, Pharmacology, Medicine	XVI Annual Conference of Indian Pharmacology Society at Ajmer, 28 to 30 December, 1983.
15.	Shri Kuldeepkumar Bhan, Archaeology, Arts	Indian Archaeological Society and the Indian Society for Prehistoric and Quarternary Studies at Pune, 10th and 11th December, 1983.
16.	Shri M. C. Bhavsar, Civil Engg. Polytechnic	51st Annual Research and Development Session of the Central Board of Irrigation and Power at Vadodara, 25 January, 1984.
17.	Dr. (Mrs.) K. A. Bhagwat, Botany, Science	National Seminar in Plant Physiology, Haryana Agricultural University at Hissar, 10 to 12 February, 1984.
18.	Dr. R. K. Baxi, Medicine	XIV Annual Conference of Indian Association of Preventive and Social Medicine at Jaipur, 16 to 18 February, 1984.
19.	Shri D. K. Basa, Metallurgical Engg. Tech. and Engg.	33rd Annual Convention of Institute of Indian Foundryman (I.I.T.) at Delhi, 19 to 21 March, 1984.

<i>Sr.No.</i>	<i>Name</i>	<i>Purpose</i>
20.	Dr. (Mrs.) Uma Chudasama, Chemistry, Science	Indian Council of Chemistry, Karnatak University at Karanatak, 28 to 30 October, 1983.
21.	Dr. (Miss) Arvinda Chandra, Education Extension, Home Science	Indian Science Congress at Ranchi (Hihar), 3 to 8 January, 1984.
22.	Dr. H. S. Chhatpar, Microbiology, Science	52nd Annual Meeting Society of Biological Chemists (INDIA) at Pune, 26 to 28 November, 1983.
23.	Shri H. S. Chhatpar, Microbiology, Science	"ICRO" International Training Course on Immunogenetics" at Canar Research Institute, Parel, Bombay, 19th March to 6th April, 1984.
24.	Dr. (Mrs.) Arvinda Chandra, Education and Extension, Home Science	All India Conference on reorientation and reorganization of Education at Vigyan Bhavan, New Delhi, 25th and 26th February, 1984.
25.	Dr. S. N. Chowdhary, Archaeology and Ancient History, Arts	Indian Archaeological Society, International Seminar of Recent Advances in Indian Archaeology at Puna, 10 to 14 December, 1983.
26.	Dr. Surekha Devi, Chemistry, Science	Indian Council of Chemists at Dharwar (Karnatak), 28 to 30 October, 1983.
27.	Dr. Lovekumar M. Desai, Gujarati,	A Workshop on "Vivechana Vividh Abhigamo" at Navjivan Arts and Commerce College, Dahod, 23 to 25 October, 1983.
28.	Dr. Prafulla J. Dave, Microbiology, Science	52nd Annual Meeting Society of Biological Chemists (India) at Pune, 26 to 28 November, 1983.
29.	Shri C. N. Daftuar, Psychology, Edu. and Psy.	71st Indian Science Congress at Ranchi, 3 to 7 January, 1984.
30.	Dr. A. B. Darji, Physics, Science	To attend the Third Symposium on Lessers and Applications at I.I.T. Kanpur, 16 to 21 December, 1983.
31.	Dr. D. R. Darji, Educational Administration, Edu. and Psy.	To attend 1983 All India Educational Convention at Patna (Bihar), 28 and 29 December, 1983.

<i>Sr.No.</i>	<i>Name</i>	<i>Purpose</i>
32.	Dr. M. H. Divekar, Chemical Engg., Tech. and Engg.	Seminar on Chemical Industry in Gujarat Growth and Potential at Ahmedabad for 4th February, 1984.
33.	Shri S. P. Dabke, Chemical Engg., Tech. and Engg.	—do—
34.	Dr. (Mrs.) Surekha Devi, Chemistry, Science	National Seminar on Assessment and Management of Pollution at Jawaharlal Nehru University Delhi, 1 to 5 February, 1984.
35.	Mr. Aruna Dave, Child Development, Home Science	To attend and conduct Workshop on preparing Stories through Indigenous Materials at the 19th Annual Conference at Haryana Agricultural University in College of Home Science, Hissar 9 to 11 February, 1984.
36.	Dr. (Mrs.) Surekha Devi, Chemistry, Science	To attend Science Conference on International Environment and Safety at London, 27 to 29 March, 1984.
37.	Shri D. B. Devaskar, Civil Engg., Polytechnic	51st Annual Research and Development Session of the Central Board of Irrigation and Power at Vadodara, on 25 January, 1984.
38.	Dr. R. H. Dholakia, Economics, Arts	To attend the Annual Meeting of the Eastern Economics Association at New York, 14 to 17 March, 1984.
39.	Dr. (Miss) Sunayana H. Divatia, Philosophy, Arts	Session of the Indian Philosophical Congress at Andhra University, Waltair, Visakha Pattam (A.P.), 1 to 4 January, 1984.
40.	Dr. G. N. Devi, English, Arts	Comparative Indian Literature, Seminar at Delhi, 5 to 7 January, 1984.
41.	Dr. Ramesh S. Durvasula, Community Medicine, Medicine	XIV Annual Conference of Indian Association of Preventive and Social Medicine at
42.	Dr. D. R. Darji, Education, Edu. and Psy.	All India Education Conference Organized by I.A.T.E., Faizabad, 4 to 7 March, 1984.
43.	Dr. K. Ethirajulu, Chemical Engg. Tech. and Engg.	36th Annual Session of Indian Institute of Chemical Engineering Pune, 4 to 7 January, 1984.

Sr.No.	Name	Purpose
44.	Dr. O. D. Gulati, Pharmacology, Medical College	Annual Congress of National Council for International Health at Washington, D.C., 13 to 15 June, 1983.
45.	Dr. Tara Gopaldas, Foods and Nutrition, Home Science	( i ) The Silver Jubilee Celebrations, Lady Irvin College, 4 to 6 October, 1983 and ( ii ) The XVI Annual Meeting on the Nutrition Society of India from 7 and 8 October, 1983 at New Delhi.
46.	Shri H. Y. Geethanath, Civil Engg. Tech. and Engg.	National Symposium on Remote Sensing in Development and Management at Water Resources at Ahmedabad, 25 to 27 October, 1983.
47.	Dr. V. L. Gadgeel, Metallurgical Engg. Tech. and Engg.	Symposium on 37th Annual Teaching Meetings and 21st National Metallurgist Day Indian Institute at Varansi in Novemer, 1983.
48.	Dr. D. R. Gadekar, Geology, Science	( i ) 18th All India Marathi Science Congress at Udgir ( Maharashtra ) 24 to 26 December, 1983. ( ii ) 71st Indian Science Congress Association at Ranchi, 2 to 8 January, 1984.
49.	Dr. ( Miss ) M. Gon, Psychology, Edu. and Psy.	XIV Annual Conference of I.A.C.P. at Mysore, 14 to 16 December, 1983.
50.	Dr. ( Mrs. ) Veena Gandotra, Home Management, Home Science	71st Indian Science Congress at Ranchi ( Bihar ), 3 to 8 January, 1984.
51.	Dr. Sunder Gujaral, Foods and Nutrition, Home Science	National Seminar on Diabetes as Hyderabad on 20th January, 1984.
52.	Dr. K. T. M. Hegde, Archaeology, Arts	Recent Advances in Indian Archaeology at Pune, 10 to 13 December, 1983.
53.	Dr. H. M. Joshi, Philosophy, Arts	( i ) Session of the Indian Philosophical Congress at Andhra University Waltair, Visakha Pattan ( A.P. ) 1 to 4 January, 1984. ( ii ) Akhil Bharatiya Darshan Parisad at Udai- pur ( Rajasthan ), 27 to 30 October, 1983

Sr.No.	Name	Purpose
54.	Dr. O. P. Joneja, English, Arts	Conference of the Comparative Indian Literature Association, Delhi University at Delhi, 5 to 7 January, 1984.
55.	Shri Kiran M. Joshi, Banking and Business Finance, Commerce	To attend Summer Course on Democracy and Liberarism at Lestie Sawhny Centre, Daolall as one of the Participant, 2 to 10 May, 1983.
56.	Dr. N. K. Jain, Pharmacy, Tech. and Engg.	35, Indian Pharmaceutics Congress at Hyderabad, 18 to 20 December, 1983.
57.	Dr. N. K. Jain, Pharmacy, Tech. and Engg.	International Seminar on " New Drug Delivery Systems " at Bombay, 27 to 29 January, 1984.
58.	Shri Dhruvakumar A. Joshi, English, Arts	All India English Teachers Conference at Triven- dram, 28 to 30 December, 1983.
59.	Dr. Urmila M. Joshi, Biology, Home Science	National Seminar on Diabetes at Hyderabad on 20 January, 1984.
60.	Mr. Uma G. Joshi, Home Science Educa- tion and Extension, Home Science	Seminar on Woman and Development at Luck- now, 7 to 11 February, 1984.
61.	Prof. R. V. Joshi, Applied Physics, Tech. and Engg.	National Symposium on Theory and Practices of Thermally Stimulated Luminescence and Related Phenomena at Physical Research Laboratory, Ahmedabad, 8 to 10 February, 1984.
62.	Shri Dhruvakumar A. Joshi, English, Arts	Ist International Conference on Literature in Translation, Jawaharlal Nehru University at Delhi, 15 to 20 March, 1984.
63.	Dr. O. P. Joneja, English, Arts	To attend Fifth New Zeland International Con- ference on Asian Studies at University of Waikato, Hamilton, New Zeland, 25 to 28 August, 1983.
64.	Dr. ( Mrs. ) Ranjit Kaur, Bio-Chemistry, Tech. and Engg.	35, Indian Pharmaceutics Congress at Hyderabad, 18 to 20 December, 1983.
65.	Shri S. M. Khanna, Pharmacy, Tech. and Engg.	—do—
66.	Shri B. K. Kayastha, Accounts, Commerce	All Gujarat Accountancy Seminar under COHSSIP at Vallabh Vidyanagar, 30th January, to 4th February, 1984.

Sr.No.	Name	Purpose
67.	Shri S. M. Khanna, Pharmacy, Tech. and Engg.	International Symposium, Advances in Drug Delivery Systems at Bombay, 27 to 29 January, 1984.
68.	Dr. I. D. Lakhani, Medicine	39th Joint Annual Conference at Hyderabad, 21 to 25 January, 1984.
69.	Dr. P. V. Kotecha, Preventive and Social Medicine, Medicine	XIV Annual Conference of Indian Association of Preventive and Social Medicine, S.M.S. Medical College at Jaipur, 16 to 18 February, 1984.
70.	Prof. V. V. Modi, Microbiology, Science	Symposium on "Sexual Morphogenesis in Phycomyces" at Tokyo, Japan, 28 August to 3 September, 1983.
71.	Prof. S. S. Merh, Geology, Science	Seminar on Environmental Degeneration in the Himalayas: concepts and Strategies at Nainital, 25 and 26 October, 1983.
72.	Dr. U. V. Mani, Foods and Nutrition, Home Science	XVI Annual Meeting on the Nutrition Society of India at New Delhi, 7 and 8th October, 1983.
73.	Dr. S. N. Misra, Chemistry, Science.	Ist National Symposium on Fluorine Chemicals and Polymers at Vikram Sarabhai Space Centre, Indian Space Research Organization at Trivendrum, 20 to 23 July; 1983.
74.	Prof. K. C. Mehta, Pro-Vice-Chancellor	Annual conference of Inter University Council of Commerce Education and Research as Vice-President of IUCCER at I.I.T. Madras, 27 to 29 December, 1983.
75.	Mrs. B. V. Modi, Linguistics, Arts.	To attend National Seminar on Morphology at Hyderabad, 6 and 7 January; 1984.
76.	Dr. (Kum.) U. J. Modi Paediatrics, Medicine.	Indo-British symposium on Recent Advances in herivated in neomated, case at New Delhi 16 and 17 January, 1984. VII International Bio-technology Symposium at New Delhi, 19 to 25 February, 1984.
77.	Dr. A. R. Mehta, Botany, Science.	Akhil Bharatiya Ved Vishana Parishad, Vaidic Sammelan at Indore, 19 to 21 September, 1983.
78.	Dr. R. I. Nanavati, Sanskrit, Arts.	42nd Annual Conference Indian Political Science Association at Osmania University, Hyderabad, 15 to 17 May, 1983.
79.	Dr. V. G. Nandedkar, Political Science, Arts.	

Sr.No.	Name	Purpose
80.	Shri Sharath Kumar U. Naik, Pharmacy, Tech. and Engg.	Advances in Drug Delivery Systems symposium at Bombay, 27 to 29 January, 1984.
81.	Shri A. P. Nerurkar, Applied Physics, Tech. and Engg.	National Symposium on Theory and Practices of Thermally stimulated Luminescence and Related Phenomena at Physical Research Laboratory, Ahmedabad, 8 to 10th February, 1984.
82.	Miss Asha Nagwekar, Education and Extension, Science.	Training for Agricultural and Rural Development at Hissar, 12 to 14 April, 1983.
83.	Shri Sharathkumar U. Naik, Pharmacy Tech. and Engg.	35, Indian Pharmaceutics Congress at Hyderabad, 18 to 20 December, 1983.
84.	Prof. S. A. Puranic, Chemical Engineering, Tech, and Engg.	Third Pacific Chem. Engg. Congress of Seoul, Korea, 3 to 11 May, 1983.
85.	Dr. (Mrs.) Maina Padhya, Botany, Science.	First International Symposium on Biology of Pteridophytes at Edinburgh (U.K.) 12 to 16 September, 1983.
86.	Dr. R. D. Pathak, Hindi, Arts.	Gujarat Hindi Pradhyapak Parishad at Dholka on 27th August, 1983.
87.	Miss Kiran L. Parekh, Child Development, Home Science.	Afro-Asian Conference on Role of Play in Child Development at New Delhi, 14 to 18 November, 1983.
88.	Dr. (Mrs.) Kalpana R. Parlikar, Education and Extension, Home Science.	Afro-Asian Conference on Role of Play in Child Development at New Delhi, 14 to 18 November, 1983.
89.	Shri Gopal S. Patel, Civil Engg., Tech. and Engg.	First Annual Convention and Symposium of Indian Association for Air pollution control at I. I. T., New Delhi, 23 to 25 November, 1983.
90.	Shri P. K. Panchal, Civil Engineering, Tech. and Engg.	National Workshop on Assessment of Exposure on Air Pollutions Municipal Corporation of Greater Bombay at Bombay, 5 to 7 December, 1983.
91.	Dr. (Miss) Jyoti K. Parikh, Child Deve- lopment, Home Science.	Afro-Asian Conference on Play for Disabled Child at Delhi, 14 to 18 November, 1983.

<i>Sr.No.</i>	<i>Name</i>	<i>Purpose</i>
92.	Dr. S. P. Puranik, Chemical Engg., Tech. and Engg.	36th Annual Session of Indian Institute of Chemical Engineers at Poona, 4 to 7 January, 1984.
93.	Dr. N. S. Pathak, Psychology, Education and Psychology.	Annual Conference of Indian Science Congress Association at Ranchi, 2 to 8 January, 1984.
94.	Dr. R. K. Parlikar, Psychology, Education and Psychology.	Annual Conference of Indian Science Congress Association at Ranchi, 2 to 8 January, 1984.
95.	Dr. (Mrs.) Kalpana R. Parlikar, Education and Extension Home Science.	Trends in Methods of Teaching and Technologies in Higher Education at Madras, 21 to 24 September, 1983.
96.	Shri V. D. Pathak, Applied Mathematics, Tech. and Engg.	International Symposium on Modern Analysis and its Applications at I.I.T., Delhi, 21 to 24 December, 1983.
97.	Dr. (Prof.) Piyush Parikh, Applied Mechanics, Tech. and Engg.	Indian Geotechnical Conference 1983 at I.I.T., Madras, 21 to 24 December, 1983.
98.	Dr. (Mrs.) Kalpana R. Parlikar, Education and Extension, Home Science.	71st Indian Science Congress at Pandri (Bihar), 3 to 8 January, 1984.
99.	Dr. R. D. Pathak, Hindi, Arts.	3rd World Hindi Convention at New Delhi, 19 to 21 March, 1983.
100.	Dr. S. A. Puranik, Chemical Engg., Tech. and Engg.	Seminar on Chemical Industry in Gujarat Growth and Potential at Ahmedabad, 4th February, 1984.
101.	Dr. (Mrs.) M. A. Padhya, Bombay, Science.	9th Plant Tissue Culture Conference Association at Coimbatore, 4 to 6 February, 1984.
102.	Dr. (Mrs.) Kalpana R. Parlikar, Education and Extension, Home Science.	All India Conference on Reorientation and Reorganization of Education at Vigyan Bhavan, New Delhi, 25 and 26 February, 1984.
103.	Dr. R. K. Raval, English, Commerce.	National Seminar on the Impact of Buddha on Literature at I.I.T. Kanpur, 20 to 22 October, 1983.

<i>Sr.No.</i>	<i>Name</i>	<i>Purpose</i>
104.	Dr. K. K. Rao, Microbiology, Tech. and Engg.	24th Annual Conference of Association of Microbiologists of India, Osmania University at Hyderabad. 12 to 14, November, 1983.
105.	Dr. R. N. Ram, Chemistry, Science.	20th Annual Convention of Chemists at Ravenshaw College at Cuttack, 26 to 30 December, 1983.
106.	Dr. K. K. Rao, Microbiology, Tech. and Engg.	VII International Bio-technology symposium at New Delhi, 19 to 25 February, 1984.
107.	Prof. C. S. Rathod, Co-operation, Commerce.	4th National Convention of I.S.S.C. at Madras, 27 to 29 December, 1983.
108.	Dr. (Miss) H. S. Rama, Chemistry, Science.	National Seminar on Assessment and Management of Pollution at Jawaharlal Nehru University, Delhi, 1 to 5 February, 1984.
109.	Dr. A.V. Ramchandran, Zoology, Science.	International Symposium on Genoure organization and Lapression in development differentiation and reoplasia at Poone, 26 February to 6 March, 1984.
110.	Prof. C. S. Rathod, Co-operation, Commerce.	National Programme in "CLIM" at Pune, 28th November to 1st December, 1983.
111.	Dr. R. N. Ram, Chemistry, Science.	Two days meeting at Indian Institute of Petroleum, Dehradun, 10-11 March, 1984.
112.	Prof. M. Shrihari, Statistics, Science.	(1) Regional Congress in Statistics and Probability at New Delhi, 12 to 14 December, 1983. (2) 13th International Conference on Stochastic Processes and their applications at Banaras 17 to 21 December, 1983.
113.	Dr. D. S. Shukla, Hindi, Arts.	Third World Hindi Convention at New Delhi 28 to 30 October, 1983.
114.	Prof. N. Subrahmanyam, Chemical Engineering, Tech. and Engg.	International Seminar on Development of Petrochemical Industry (1983) organised by the Northan India, Regional Centre, I.I.E.H.E. New Delhi, 29 and 30th September, 1983.
115.	Dr. S. Srikantiah, Business Economics, Commerce.	All India Labour Economics Conference Silver Jubilee, 1983 at Lucknow, 21 to 24 October, 1983.
116.	Dr. K. R. Shah, Economics, Commerce.	All India Labour Economics Conference Silver Jubilee, 1983 at Lucknow, 21 to 24 October, 1983.
117.	Mrs. Subadra Seshadri, Foods and Nutrition, Home Science.	XVI Annual Meeting on the Nutrition Society of India, New Delhi, 7 and 8th October, 1983.

Sr.No.	Name	Purpose
118.	Dr. A. N. Shah, Geology, Science.	Workshop on Blaini-Krol-Tal formation in Lesser Himalayas at Wadia Institute of Himalayas Geology, Deharadun (U.P.), 24 to 28 October, 1983.
119.	Dr. V. M. Shah, Mathematics, Science.	53rd Annual Session of the National Academy of Sciences India at Goa, 27 to 29 October, 1983.
120.	Dr. Avinash K. Shah, Microbiology, Science.	Course on "Genetic Manipulation" At Indian Institute of Chemical Biology, Calcutta, 20 November to 10 December, 1983.
121.	Prof. A. N. Shah, Civil Engineering, Tech. and Engg.	(i) Ist Annual Convention and Symposium at Indian Association for Air Pollution Control at I.I.T., New Delhi, 23 to 25 November, 1983. (ii) National Workshop on Assessment of Human Exposure on Air Pollutions Municipal Corporation of Greater Bombay at Bombay, 5 to 7 December, 1983.
122.	Shri D. M. Shringar- pure, Geology, Science.	Fifth Indian Geophytological Conference at Birbal Sahni Institute of Paleobotany at Lucknow, 14 to 16 November, 1983.
123.	Dr. Maya Shah, Economics, Arts.	Silver Jubilee Conference of the Indian Society of Labour Economics at University of Lucknow, Lucknow, 21 to 24 October, 1983.
124.	Dr. N. R. Shah, Physics, Science.	Third Symposium on Lessers and Applications at I.I.T., Kanpur, 16 to 21 December, 1983.
125.	Shri P. M. Shah, Physics, Science.	Third Symposium on Lessers and Applications at I.I.T., Kanpur, 16 to 21 December, 1983.
126.	Dr. V. H. Sonawane, Excavation, Archaeo- logy, Arts.	Indian Archaeological Society, International Seminar of Recent Advances in Indian Archaeology at Poona, 10 to 14 December, 1983.
127.	Dr. V. M. Shah, Mathematics, Science.	49th Conference of the Indian Mathematical Society at Madras, 22 to 29 December, 1983.
128.	Dr. G. N. Shukla, Surgery, Medicine.	Association of Surgery of India at Madras 27 to 30 December, 1983.
129.	Mrs. S. Seshadri, Foods and Nutrition, Home Science.	IV Asian Congress of Nutrition at Bangkok (Thailand), 1 to 4 November, 1983.
130.	Shri D. T. Shete, Civil Engineering, Tech. and Engg.	XIII Annual Convention of Indian Society for Technical Education at Chandigarh, 19 to 21 December, 1983.

Sr.No.	Name	Purpose
131.	Shri Vasdev Singh, Chemical Engg., Tech. and Engg.	Seminar on Chemical Industry in Gujarat Growth and Potential at Ahmedabad, for 4 February, 1984.
132.	Shri V. K. Shah, Civil Engg., Polytechnic.	51st Annual Research and Development Session of the Central Board of Irrigation and Power at Vadodara on 25th January, 1984.
133.	Shri V. Y. Sane, Civil Engg., Polytechnic.	—do—
134.	Mrs. Ammeta Shah, Child Development, Home Science.	(i) Annual Association of Pre-school Educational Hissar, Haryana, 9 to 11 February, 1984. (ii) National Council for Education Research and Training (NECRT) at New Delhi, 14 to 16 February, 1984.
135.	Dr. R. N. P. Sinha, Geography, Science.	All India Seminar on Industrialization and Regional Development at Patna (Bihar), 6 to 11 March, 1984.
136.	Shri P. L. Teredesai, Industrial Organisa- tion, Commerce.	Indian Science Congress, 71st session at Ranchi, 3 to 8 January, 1984.
137.	Dr. (Mrs.) Shashi Tuteja, Biology, Home Science.	Workshop-Mobilisation of Youth Child Development Organized by the National Institution of Public Co-operation and Child Development at New Delhi, 26 to 28 March, 1984.
138.	Miss Anitha S. Thomas, Education and Ex- tension, Home Science.	Seminar on Woman and Development at Lucknow, 7 to 11 February, 1984.
139.	Dr. S. P. Sychantha Vong Geology, Science.	To participate in the National Seminar on Crystal Evolution of the Indian Shield and its Learning of Metallogeny at the Deptt. of Geology, Presidency College, Calcutta, 12 to 14 January, 1984.
140.	Prof. (Mrs.) Amita Verma, Child Development, Home Science.	To attend the World Congress of Pre-School Education at Geneva, 15 to 28 August, 1983.
141.	Shri S. Y. Wakankar, Oriental Institute.	Conference of Gujarat University and College Sanskrit Teachers' Associate at Keshod (Saurashtra), 3 to 5th May, 1984.
142.	Shri S. Y. Wakankar, Oriental Institute.	Sanskrit out-side India at Thane (Greater), Bombay, 4th September, 1983.
143.	Shri Maria Xavier (Mariu), Psychology, Education and Psy.	Annual Conference on Indian Science Congress Association at Ranchi, 2 to 8 January, 1984.

(ii) Teachers granted sabbatical leave under O. 209-E during the year under report.  
Leave under O. 209-E. Teachers who have been granted Leave during the period from 1-4-1983 to 31-3-1984.

Sr.No.	Name	Department	Faculty	Purpose	Period
1.	Dr. C. K. Seshadri	English	Arts	To enable him to complete Book on the Role of English in Multi-Lingual India	1-7-1983 to 30-6-1984
2.	Dr. R. H. Dholakia	Economics	Arts	To enable him to accept Shastri Institute Fellowship for Research in Social Science in Canada	1-9-1983 to 31-8-1984
3.	Dr. Bonny Pillo	Zoology	Science	To enable him to accept an award of Visiting Professorship under International Scientific exchange Programme of Natural Sciences and Engineering Research Council of Canada at Guelph Ontario, Canada	1-5-1983 to 30-4-1984
4.	Dr. J. R. Patadia	Mathematics	Science	To enable him to accept the award to Commonwealth Academic Staff Fellowship Tenable in U.K. at Horit Watt University Edinburgh	26-9-1983 to 14-8-1984
5.	Prof. S. K. Banerjee	Pharmacy	Tech. and Engg.	Research Project, School of Pharmacy, Wisconsin University, Madison, U.S.A.	15-7-1983 to 25-3-1984
6.	Dr. Miss T. S. Saraswathi	Child Development	Home Science	Full-bright Fellowship awarded to her and also to Follow	21-9-1983 to 20-9-1984

Sr.No. Name Department Faculty Purpose Period

up discussion with agencies interested in supporting research and to consolidate and write up work completed so as to  
(1) disseminate information and  
(2) make plans for long term development

(iii) Teachers granted study leave under O. 209 F during the year under report.

Sr.No.	Name	Department	Faculty	Purpose	Period
1.	Shri S. K. Rana	English	Arts	To enable him to complete his work on George Orwell	1-7-1983 to 30-6-1985
2.	Shri Ravindra Kumar	History	Arts	To complete his Ph.D. work	20-6-1983 to 25-10-1983
3.	Kum. Urmila R. Patel	History	Arts	To enable her to complete her Ph.D. work	1-1-1984 to 30-6-1985
4.	Shri B. P. Pandya	Oriental Institute	Arts	To complete his Ph.D. work	1-7-1983
5.	Shri B. S. Patel	Commerce	Commerce	For Training under Faculty Development Programme at I.I.M., Ahmedabad	1-7-1983 to 15-7-1984
6.	Shri R. V. Patel	Chemical Engineering	Tech. and Engg.	To enable him to pursue a course work and training for M.Sc. by research under external Registration at Indian Institute of Science, Bangalore	3-1-1984 to 30-4-1984

Sr.No.	Name	Department	Faculty	Purpose	Period
7.	Sbri S. N. Parikh	Law	Law	To carry on Ph.D. work	1-7-1983 till 30-6-1985
8.	Mrs. Parul Dave	Child Development	Home Science	To enable her to complete her Ph.D. work	4-1-1983 to 3-1-1984 and 4-1-1984 4-11-1984
9.	Dr. Ansuya U. Rana	Edu. and Extension	Home Science	To enable her to accept the South-North research onward in Education and Extension of International Development Research Centre in Ottawa, Canada	Some time during the month of July, 1983 (for six months),

#### 6-B. National and International level Awards, Prizes etc.

The details are given in the reports of the respective Faculties/Institutions.

#### 7. University Examination Results

76 candidates were declared qualified for the award of Ph.D. degree of the University during the year. Appendix XI gives details of their names, subjects and theses titles.

Statements showing results of University examinations of (i) March-April-May-June, 1983 and (ii) October-November, 1983 are given in Appendices XII and XIII.

#### 8. Endowments and Donations

The Syndicate accepted the following donations during the year :

Sr. No.	Name of the Fund	Amount of Donation	Purpose
1.	Shri S. G. Bhagia Memorial Gold Medal donated by Shri R. G. Bhagia of Baroda	Rs. 15,000/-	For awarding a Gold Medal to a regular student who secures the highest number of marks in the subject of Applied Mechanics (Theory only) at

Sr. No.	Name of the Fund	Amount of Donation	Purpose
			B.E. I (CME., Ch., Met., ELN.) Second Semester Examination of M. S. University of Baroda, provided the candidate passed B.E. I (CME., Ch., Met., ELN.) Examination at the first attempt.
2.	Mrs. Neelima Sudhalkar Memorial Gold Medal donated by Shri V. S. Sudhalkar	15,000/-	For awarding a Gold Medal to a regular student who has passed the final year B.E. (Electrical) degree examination (4 years stream and 5 years stream considered together) held by the M. S. University of Baroda in March/April in First Class with first rank at the first attempt.
3.	Dr. V. N. Kulkarni Memorial Gold Medal donated by Dr. V. N. Kulkarni Memorial Fund Committee	20,000/-	For awarding a Gold Medal to a regular student who has passed the M.Sc. Examination with Geology conducted by the M. S. University of Baroda in March/April with at least Second Class, at the first attempt obtaining the highest number of marks in the aggregate (including Theory, Practical and Viva-Voce) from among all the students at the said examination.
4.	Kum. Nepha Pravinbhai Patel Memorial Prize donated by Shri Pravinbhai M. Patel of Baroda	10,000/-	(i) For awarding three cash prize of the value of 40% of the interest income, to a regular lady student who has passed her First and Second Semester Examination of Second Year Diploma in Electrical Examination conducted by the M. S. University of Baroda in Oct./Nov. and March/April respectively or both the Semesters simultaneously in March/April at the first attempt obtaining the highest aggregate marks thereof (considering marks of I and I

Sr. No.	Name of the Fund	Amount of Donation	Purpose
			semester examinations together) and continuing further studies in the same academic year.
(ii)			A prize of the value of 40% of the interest income, to a regular lady student, who has passed her First and Second Semester Examination of the Final Year Diploma Electrical Examination conducted by the M. S. University of Baroda in Oct./Nov. and March/April respectively or both the Semesters simultaneously in March/April at the first attempt obtaining the highest aggregate marks thereof (considering marks of I and II Semester Examinations together.)
(iii)			A prize of the value of 20% of the interest income to a regular lady student who has passed her First and Second Semester Examination of the Final Year Diploma Electrical Examination conducted by the M. S. University of Baroda in Oct./Nov. and March/April respectively or both Semesters simultaneously in March/April at the first attempt obtaining the Second highest aggregate marks thereof (considering marks of I and II Semester Examinations together).

#### 9. Finances of the University

##### (i) Capital Accounts :

Statement showing the income and expenditure of the (i) University General Fund, (ii) Ayurvedic Research Fund, (iii) Post-graduate Instruction and Research Fund during the financial year 1983-84 are given in Appendix XX.

##### (ii) Revenue Accounts :

The receipts and disbursements during the financial year 1983-84 were Rs. 5,72,06,057-64 and Rs. 6,43,47,067-86 respectively leaving a deficit of Rs. 71,41,010-16. Details of Accounts are given in Appendix XXI.

##### (iii) Grants :

The University received grants totalling Rs. 2,38,12,792-30 for Development Schemes from the University Grants Commission and the Government of Gujarat and for various research schemes from the Central Ministries, State Government and outside Agencies. The details are given in Appendix XXII.

#### 10. Construction Division

##### (i) Capital Works :

The Division supervised the work of various buildings, additions and alterations and an amount of Rs. 12,05,974-24 was spent during the year on capital works.

##### (ii) Ordinary and Special Repairs :

The expenditure on Ordinary Repairs during the year was Rs. 8,49,944-1 and special repairs was Rs. 1,68,232-84.

(iii) A construction committee under the Chairmanship of Shri Hari-vadanbhai J. Parikh was appointed and visited all the Faculties and Institutions.

The detailed survey of repairing was done and assessed by the Construction Division and only most essential works amounting to Rs. 20,31,673-00 were taken on hand to facilitate the study activities and recreation etc. for which Rs. 12,10,000/- are specially provided from Sayaji Diamond Jubilee Trust and U.G.C. Fund.

The work of building for Textile Chemistry and shed for the Textile Chemistry Department at the Faculty of Technology and Engineering is under litigation.

#### 11. Obituary

The University expresses its sense of sorrow at the sad demise of the following employees/students who died in harness :

Sr. No.	Name	Designation	Date on which expired
1.	Shri M. A. Patel	Laboratory Attendant in Chemistry, Faculty of Science	29-4-1983

Sr.	Name	Designation	Date on which expired
2.	Shri S. B. Pathan	Lecturer in Sitar, Faculty of Performing Arts	29-6-1983
3.	Dr. A. M. Thakkar	Professor of Surgery, Medical College	1-11-1983
4.	Shri M. G. Mali	Havaldar, Faculty of Science	2-11-1983
5.	Pt. Shri R. N. Joshi	Visiting Pradhyapak, Sanskrit Mahavidyalaya	5-11-1983
6.	Shri M. I. Ganchi	Driver, Geography Department, Faculty of Science	28-2-1984
7.	Shri K. S. Kapadia	Senior Clerk (Accounts), Faculty of Performing Arts	2-3-1984

## CHAPTER II

## 1. The Syndicate

The Syndicate consisted of 25 members. The following persons were members of the Syndicate :

1. Professor B. C. Parekh, Vice-Chancellor
2. Professor K. C. Mehta, Pro-Vice-Chancellor
3. Director of Higher Education
4. Director of Technical Education
5. Director of Health, Medical Services and Medical Education
6. Professor D. B. Desai
7. Professor H. C. Dholakia
8. Professor V. N. Kothari
- \*9. Shri R. R. Joshi
- @ Professor H. V. Bhavnani
10. Shri Charan Singh Chawla
11. Shri Nanalal D. Chokshi
12. Shri Ranjitsinh P. Gaekwad
13. Dr. N. D. Desai
14. Shri M. D. Parikh
15. Shri Dahyabhai K. Patel
16. Professor (Smt.) Amita B. Verma
17. Dr. Raojibhai C. Patel
18. Dr. (Miss) Jayshree P. Mehta
19. Shri J. R. Shah
20. Shri H. J. Parikh
21. Shri A. S. Navale
22. Dr. Shirish M. Purohit
23. Shri Mahendrasinh Chauhan
24. Professor O. H. Patel
25. Professor S. K. Shah

\* Ceased to be member from 13-6-1983.

@ Became member from 4-12-1983.

During the year, the Syndicate held 15 meetings at which 856 items were considered and resolutions passed on them. The following statement shows the attendance of the members at the Ordinary and Special meetings of the Syndicate during the year.

Sr.No.	Name	Present
1.	Professor B. C. Parekh, Vice-Chancellor	O. 10 S. 03
2.	Professor K. C. Mehta, Pro-Vice-Chancellor	O. 09 S. 04
3.	Director of Higher Education or his nominee	O. 02 S. —
4.	Director of Technical Education or his nominee	O. 07 S. —
5.	Director of Health, Medical Services and Medical Education or his nominee	O. — S. —
6.	Professor D. B. Desai	O. 08 S. 02
7.	Professor H. C. Dholakia	O. 08 S. 04
8.	Professor V. N. Kothari	O. 10 S. 02
*9.	Shri R. R. Joshi	O. 02 S. —
@	Professor H. V. Bhavnani	O. 04 S. 02
10.	Shri Charan Singh Chawla	O. 05 S. 03
11.	Shri Nanalal D. Chokshi	O. 10 S. 02
12.	Shri Ranjitsinh P. Gaekwad	O. 04 S. 02
13.	Dr. Nikhil D. Desai	O. 11 S. 04
14.	Shri M. D. Parikh	O. 09 S. 02
15.	Shri Dahyabhai K. Patel	O. 11 S. 03
16.	Professor (Mrs.) Amita B. Verma	O. 09 S. 03
17.	Dr. Raojibhai F. Patel	O. 10 S. 04
18.	Dr. (Miss) Jayshree P. Mehta	O. 08 S. 03
19.	Shri J. R. Shah	O. 10 S. 03
20.	Shri H. J. Parikh	O. 11 S. 04

\* Ceased to be member from 13-6-1983.

@ Became member from 4-12-1983.

Sr.No.	Name	Present
21.	Shri A. S. Navale	O. 11 S. 04
22.	Dr. Shirish M. Purohit	O. 04 S. 01
23.	Shri Mahendrasinh Chauhan	O. 04 S. —
24.	Professor O. H. Patel	O. 09 S. 03
25.	Professor S. K. Shah	O. 08 S. 03

## 2. The Senate

The Senate consisted of 90 members. The changes in the membership during the year were as under:

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

1. Shri N. Gopalswami, Director of Higher Education
2. Shri H. N. Shah, Chairman, Gujarat S. E. Board
3. Shri R. R. Joshi, Principal, Padra College
4. Dr. V. C. Patel, Mayor, Baroda Municipal Corporation
5. Shri R. J. Darji, Vice-President, M. S. University Union
6. Shri P. C. Kothari, General Secretary, M. S. University Union

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

1. Shri Sudhir Mankad, Director of Higher Education
2. Dr. S. Srikantiah, Dean, Faculty of Management Studies
3. Shri Jayantibhai R. Patel, Mayor
4. Shri Yogesh J. Akolkar, Vice-President, M. S. University Union
5. Shri Chinnam Gandhi Satyam, General Secretary, M. S. University Union
6. Shri J. C. Rathod, Lecturer, Faculty of Law.

( iii ) The following is the list of members as on 31-3-1984 :

1. Shri Fatehsinhrao Pratapsinhrao Gaekwad
2. Professor B. C. Parekh
3. Professor P. J. Madan
4. Professor K. C. Mehta
5. Shri K. A. Amin
6. Dr. L. M. Padhya
7. Shri Sudhir G. Mankad
8. Professor S. B. Kumta
9. Dr. Om Prakash Gupta
10. Chairman, Gujarat Secondary Education Board

11. Shri B. K. Sinha
12. Professor A. P. Rana
13. Professor V. V. Mody
14. Professor D. B. Desai
15. Professor G. C. Beri
16. Dr. O. D. Gulati
17. Professor R. C. Patel
18. Professor H. C. Dholakia
19. Professor J. D. Patel
20. Professor (Smt.) Amita B. Verma
21. Shri K. M. Sharma
22. Professor C. V. Chandrasekhar
23. Professor H. V. Bhavnani
24. Dr. J. R. Pathak
25. Dr. S. Srikantiah
26. Dr. (Miss) Malathi Chakravorty
27. Director, Oriental Institute
28. Dr. S. K. Bhowmik
29. Professor V. N. Kothari
30. Her Highness Maharani Shantadevi Gaekwad of Baroda
31. Shri Morarji R. Desai
32. Shri Indubhai C. Patel
33. Shri K. K. Shah
34. Shri Jayantibhai R. Patel
35. Shri D. H. Mohite
36. Shri Yogesh J. Akolkar
37. Shri Chinnam Gandhi Satyam
38. Professor Rashmikant N. Mehta
39. Professor H. P. Chokshi
40. Dr. Raojibhai F. Patel
41. Professor Markandray J. Bhatt
42. Shri Ankamma Pepalla
43. Dr. R. P. Bhatt
44. Dr. I. D. Bhatt
45. Dr. D. S. Pathak
46. Dr. (Miss) Jayshree P. Mehta
47. Dr. J. M. Lohar
48. Shri J. C. Rathod
49. Shri R. M. Pandya
50. Dr. (Kum.) Nalini Ogale
51. Shri A. S. Navale

52. Shri H. J. Parikh
53. Shri J. R. Shah
54. Shri N. C. Shukla
55. Shri N. K. Anadkat
56. Shri B. P. Pandya
57. Shri M. D. Parikh
58. Dr. Nikhil D. Desai
59. Shri K. G. Patel
60. Shri M. R. Patel
61. Dr. Jatin H. Sheth
62. Shri Jangabahadur Y. Rajput
63. Shri H. B. Zaveri
64. Shri G. B. Nimbalkar
65. Smt. Amarjyot B. Patel
66. Shri Jayendra S. Shah
67. Shri C. S. Chawla
68. Shri P. L. Patel
69. Shri C. H. Rao
70. Dr. Shirish M. Purohit
71. Shri C. N. Patel
72. Shri D. K. Patel
73. Shri H. A. Contractor
74. Shri Nanalal D. Chokshi
75. Shri M. C. Pathak
76. Smt. Pupul Jaykar
77. Shri Raojibhai C. Patel
78. Shri A. G. Patel
79. Shri R. M. Pancholi
80. Professor S. S. Merh
81. Shri N. A. Parikh
82. Shri Ranjitsinh P. Gaekwad
83. Smt. Arunaben S. Mehta
84. Dr. B. S. Verma
85. Shri Raof M. Valiulla
86. Shri Rajnikant M. Atalia
87. Shri Ashwin M. Mehta
88. Shri Ashok B. Patel
89. Shri Ashokchandra M. Shah
90. Shri D. G. Jadhav

The Senate met twice during the year on 4th December, 1983 and 26th March, 1984 and was attended by 70 and 65 members respectively.

**Meeting of December 1983**

Election of one Principal of the constituent College to the Syndicate was held. Four members were assigned to the Faculties. The Thirty-Fourth Annual Administration Report and Annual Accounts for the year 1982-83 were considered and the excess expenditure over the revised estimates for the year 1982-83 was sanctioned. Supplementary grant amounting to Rs. 31,000/- was also sanctioned. Replies to questions and supplementary questions were given. Proposals to amend Statute 91 and 199 were passed.

The proposal for establishment of the Departments of (i) Applied Chemistry, (ii) Applied Physics, and (iii) Applied Mathematics in the Faculty of Technology and Engineering was passed. The proposals for the institution of posts in the Faculty of Arts, Faculty of Science and Faculty of Technology and Engineering were considered and passed. The proposal for the institution of the Medal was passed. The proposal to confer Honorary Degrees on Shri Satyajit Ray, Dr. Raja Ramanna, Shri J. R. D. Tata, and Dr. I. G. Patel was passed.

**Meeting of March 1984**

Three members were assigned to the Faculties, Replies to questions and supplementary questions were given. The Annual Financial Statement comprising the revised estimates for the year 1983-84 and the estimates for the year 1984-85 as set out in the details, were approved. The proposal to amend Statute 69, 70, 81, 83, 91, 155, 195, 199, 200, 204 and 205 was considered and passed. The proposals for the institution of posts in the Faculty of Science, Faculty of Commerce, and M. K. Amin Arts and Science College and College of Commerce, Padra were considered and passed. The proposal for the institution of the Chair, Scholarships, Prizes and Medals was passed. The proposal for the institution of the Faculty of Performing Arts and Faculty of Management Studies was also considered and passed.

**CHAPTER III****1. Council of Post-graduate Studies and Research**

The Council of Post-graduate Studies and Research met on 29th August, 1983 and on 26th December, 1983. The following were the principal items considered and recommended by the Council and approved subsequently by the Syndicate :

- ( i ) A Committee was appointed by the Council to consider and recommend ( a ) proposal for continuation of the various Research Schemes previously approved and ( b ) New Research Schemes for implementation during 1984-85.
- ( ii ) The revised draft of ( i ) the application form for submission of New Research Scheme/Project for financial assistance from the University Funds and ( ii ) draft of the letter to be written to the Expert for his opinion by the Dean, was approved.
- ( iii ) The Gujarat Cancer and Research Institute ( M. P. Shah, Cancer Hospital ), New Civil Hospital Compound, Asarwa, Ahmedabad-380 016 was recognised as a Research Centre for carrying on Research Work for Ph.D. in all Clinical subjects, Cancer Research and Applied Biology under the Faculty of Medicine for the benefit of eligible students of this University or persons deputed by this University.
- ( iv ) The provisions of O.Ph.D. 2 ( ii ) and O.Ph.D. 3 ( iii ) and O.Ph.D. 2 ( i ) were amended.
- ( v ) The report of the Committee to consider the question of recognising Co-guides was accepted and the Council directed that the necessary amendment to the Existing Ordinance be put up for approval of the Council.
- ( vi ) Professor C. C. Mehta was recognised as guiding teacher for Ph.D. in Gujarati under the Faculty of Arts under provisions of O.Ph.D. 5 ( i ), he being a Visiting Professor.

(vii) The Council recommended to the Syndicate to appoint a Committee with Professor (Smt.) Amita Verma, Dean, Faculty of Home Science, as Convener to consider the following points:

- (a) Reconsideration of the principles of allocation of grants,
- (b) to suggest guidelines for schemes for which referees' reports are not received or the reports are contradictory, and
- (c) to suggest guidelines for schemes for which financial assistance is received from other sources like U.G.C., C.S.I.R. etc.

(viii) The Council of Post-graduate studies and Research considered the question of framing general guidelines for cases where both external referees reject a thesis, and recommended the appointment of a Committee with Professor H. C. Dholakia, Dean, Faculty of Law, as Convener to consider :

(i) Cases of the Ph.D. candidates whose theses have not been favourably considered and the candidates have filed an appeal for reconsideration.

The Committee will also inquire and report its recommendations to the P. G. Council.

(ii) The question of changing the Ph.D. guides on account of the retirement of the guide etc.

(iii) The question of incorporating a certificate in the Ph.D. thesis from the guiding teacher, and

(iv) Proposing suitable amendments to the existing Ph.D. Ordinances in view of (i), (ii) and (iii) above.

(ix) The Council also considered and recommended for approval the items of Panels of referees to examine the Ph.D. theses in different subjects, recognition of teachers as Post-graduate teachers for guiding students for Ph.D. degrees, extension of period to submit thesis under O.Ph.D. 4 (iii), registration of students for Ph.D. degree under O.Ph.D. 1 (viii) and permission to do Ph.D. independently etc.

## 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*	Faculty of Law	2-4-1983
2*	Faculty of Social Work	22-4-1983
3*	Faculty of Technology and Engineering	4-6-1983

\* for the year 1982-83.

Sr.No.	Name of the Faculty	Date of the meeting
4.	Faculty of Fine Arts	26-12-1983
5.	Faculty of Science	19-1-1984
6.	Faculty of Education and Psychology	1-2-1984
7.	Faculty of Arts	9-2-1984
8.	Faculty of Medicine	20-2-1984
9.	Faculty of Commerce	21-2-1984
10.	Faculty of Home Science	27-2-1984

There were no meetings of the Faculties of (i) Technology and Engineering (ii) Social Work, and (iii) Law for the period under report i.e. 1983-84. Since these three meetings which could not be held during 1982-83, were held during 1983-84, they are included here.

The following were the main items considered and recommended by the above Faculties and approved subsequently by the Syndicate,

### 1. Faculty of Law :

(a) Details regarding Paper IV—Dissertation and Viva-Voce of LL.M. Part II to be effective from June, 1983 for Part II admission were approved.

### 2. Faculty of Social Work :

- (a) The Curriculum for M.S.W. was revised.
- (b) O.S.W. 12 (e) was amended.

### 3. Faculty of Technology and Engineering :

The Faculty of Technology and Engineering took the following important decisions over and above the approval of items of routine nature viz. : (1) Replacing shifting of subjects, (ii) Adding new Electives where considered necessary, (iii) Revision of the existing syllabi and approval of New Syllabi for certain courses, (iv) Revision of schemes of Teaching and Examinations for certain courses :

- (a) The existing Board of Studies in Civil Engineering and Applied Mechanics was split up into two separate boards viz. (1) Board of Studies in Civil Engineering and (2) Board of Studies in Applied Mechanics.
- (b) The existing Board of Studies in Technology (Textile) was split up into two separate Boards viz. : (1) Board of Studies in Technology (Textile) and (2) Board of Studies in Textile Chemistry.
- (c) Introduction of diversified degree courses in Production and Industrial Engineering was approved academically.

- (d) The Syllabi for the subject of Mechanical Engineering— Paper I and Paper II—for the Entrance Test Examination for admission of Diploma-passed students to the degree course were revised.
- (e) Introduction of B.Sc. (Tech.)—Textile Chemistry 4 years Degree Course for H.Sc. (Std. XII) passed students in place of the existing 3 year Post-B.Sc. (Tech.) Course was approved academically.
- (f) The Five Year B.Arch. Degree Course was revised so as to bring it in line with the recommendations of the Council of Architecture.
- (g) The duration of the Post-graduate courses in Engineering was reduced to Three Semesters from the existing 2 year courses as per recommendation of the Nayudamma Committee on Post-graduate Education and Research in Engineering and Technology as suggested by the Department of Education, Government of India.
- (h) Admission criteria for admission to Part-time Degree courses were revised by increasing the weightage of experience from 1% to 1.5% per year for the experience of the candidate.
- (i) It was decided that all degree as well diploma examinations under the Faculty of Technology and Engineering and Polytechnic be conducted by the University.
- (j) The Five Semester Diploma Courses in C.M.E. were converted into Six Semester Diploma Courses.
- (k) The following Five Post-B.Sc. Diploma Courses were introduced:
- (1) Corrosion Technology,
  - (2) Materials Testing Technology,
  - (3) Solid State Electronics,
  - (4) Operations Research,
  - (5) Computer Applications.

#### 4. Faculty of Fine Arts :

- (a) Students passing the higher examination after the H.S.C. (Std. XII) be considered eligible for admission to Ist year B.Mus. Degree course in Music, Dance and Dramatics and F.Y. Diploma Drama in the College of Indian Music, Dance and Dramatics.
- (b) Approval of the revision of the scheme of examination of the B.Mus. Degree course for compulsory papers.
- (c) Approval of the proposal to start a special short-term Inservice course for Indian students from the academic year 1984-85.

#### 5. Faculty of Science :

- (a) The Syllabi for M.Sc. (Previous) and M.Sc. (Final) in Botany, Chemistry and Geography courses were revised.
- (b) The Syllabi for B.Sc., M.Sc. and M.Sc. (Applied Geology) Geology were revised.
- (c) The October Examination for M.Sc. in Applied Geology course from October, 1984 was introduced.
- (d) The Syllabus at the F.Y.B.Sc. in the subject of Mathematics was revised in the light of the revised Syllabus of Mathematics at the Higher Secondary Level.
- (e) The Syllabus for F.Y.B.Sc. (Subsidiary) Physics was revised.
- (f) One more Optional paper entitled "Nuclear Physics" (revised Syllabus) was introduced at M.Sc. (Final) Physics.
- (g) The new set-up of theory and practical papers at M.Sc. (Previous) in view of 8 theory papers of T.Y.B.Sc. in the subject of Statistics was approved.

#### 6. Faculty of Education and Psychology :

- (a) O.B.Ed. 1 (I), O.B.Ed. 6 and O.B.Ed. 7 (vi) were revised.
- (b) O.B.Ed. 1 IV, O.B.Ed. 7 (viii) and O.B.Ed. 7 (ix) were added in the B.Ed. Ordinances.

#### 7. Faculty of Arts :

- (a) A course entitled 'Police Administration in India' as option 7 to T.Y.B.A., Paper VIII in Political Science was approved academically.
- (b) A Post-graduate Diploma Course in Business Geography was approved academically.
- (c) The Syllabi for S.Y.B.A. (Major) and T.Y.B.A. in Political Science were revised.
- (d) The Syllabi for B.A. and M.A. in Gujarati were revised.
- (e) The Syllabus for F.Y.B.A. in Psychology was revised.
- (f) The Syllabi for M.A. Part-I and M.A Part-II Philosophy and Geography were revised.
- (g) The Syllabi in Persian, Urdu and Arabic were approved.
- (h) Introduction of the teaching of Russian at the S.Y.B.A. (Major) and T.Y.B.A. was approved.
- (i) The scheme of papers at T.Y.B.A. in Sociology was approved.
- (j) Text books from T.Y.B.A. to M.A. in various subjects were prescribed.

8. *Faculty of Medicine :*

- (a) The pattern of Practical and oral Examination in Anatomy of the First M.B.B.S. Course was revised.
- (b) The existing S.R. No. 51 dated 18-6-1967 in the matter of the number of examiners to be appointed was made applicable to all the subjects of M.B.B.S. examinations.
- (c) The report of the committee appointed to work out the details of the syllabi and scheme of examination of the third M.B.B.S. course according to the recommendations of the Medical Council of India, New Delhi, was accepted in principle with the modification that there would be no part I and Part II Examination but the Final Examination of the Third M.B.B.S. Course be taken at the time regularly Scheduled for III M.B.B.S. Examination.
- (d) Syllabus of the subject of Physics of F.Y. B.Physio. Course was revised.

9. *Faculty of Commerce :*

- (a) A Course for "Diploma in Internal Audit and Industrial Accounting" was approved academically.
- (b) The syllabus for the paper "Textile Costing" at the Dipoma in Textile Technology (Final Year) was revised.
- (c) The syllabus for the paper "Accountancy with special reference to Bank Accounts" at the Post-graduate Diploma in Banking was revised.
- (d) Major paper on "Business Policy" and Minor paper on "Business Environment" at the M.Com. (Final) were replaced by paper "Managerial Decision - making" and "Behavioural Sciences in Management" respectively.
- (e) The syllabus for the paper "Economics of Human Resources and Manpower Planning" being taught currently to Economics (Major) at M.Com. (Final) was revised.
- (f) Geography was included as one of the subjects for eligibility requirements for admission to F.Y. B.Com. class.
- (g) O.Com. 38 in the matter of minimum marks required for passing in each paper at M.Com. (Previous) and M.Com. (Final) was partially amended.

10. *Faculty of Home Science :*

- (a) The existing admission requirements for admission to the M.Sc. (Home) Child Development or Early Childhood Education degree course and Ph.D. Child Development degree course were amended.
- (b) The outlines of the various courses of M.Sc. (Home)—Foods and Nutrition and Dietetics programmes were revised.
- (c) The B.Sc. (Home)—Clothing and Textiles programmes was revised.
- (d) The C.T. 545-B-2-4 credits Clothing and Textile—Designing was introduced as a related course in the M.Sc. (Home)—Clothing and Textiles programme.
- (e) C.T. 244—Textile Design Course of Second Year B.S.c (Home) programme was approved as a pre-requisite for T. 344-Printing of Textiles Course of third year B.Sc. (Home) Programme.
- (f) The existing Scheme of examination of B.Sc. (Home) Science Education and Extension degree course was revised.
- (g) (a) Consumer Education—3 credits course and (b) House keeping 2 credits course were added as new Electives from 'Home Management' for the B.Sc. (Home)—Home Science Education and Extension students.
- (h) Curriculum of the M.Sc. (Home) Science Education and Extension Programme was revised.
- (i) The details of the doctoral programme of Home Science Education and Extension Education were revised.
- (j) The credits of the H.M. 275—Time and Energy Management course were redistributed.
- (k) B.Sc. (Home)—General Home Science programme courses were revised.
- (l) The Course (a) Elements and Principles of Design, (b) Colour in home and (c) Housing and Space Design was approved as Pre-requisite to H.M. 371—Interior design Course of B.Sc. (Home) programme.
- (m) The H.M. 380—Family and Laws was discontinued from B.Sc. (Home)—Home Management programme.
- (n) The General Home Science programme was approved academically.
- (o) Non-thesis programme of M.Sc. (Home) with papers was accepted in principle.
- (p) The nomenclature of the Faculty of Home Science be changed as the Faculty of Home Science.

### 3. Board of Studies

The fifty seven Boards of Studies in the different subjects met during the year as shown below :

Sr.No.	Name of the Board	Date of Meeting
1.	Sanskrit, Pali and Prakrit Languages and Literature (September 19, 1983)	29th September 1983
2.	Persian, Urdu and other Asian Languages and Literature (September, 28 1983)	28th September, 1983
3.	Hindi Language and Literature	11th October, 1983
4.	Gujarati Language and Literature	11th October, 1983
5.	Marathi Language and Literature	28th September, 1983
6.	English Language and Literature	17th September, 1983
7.	Modern and Ancient European Languages and Literature	28th September, 1983
8.	Archaeology, Ancient History and Culture	10th October, 1983
9.	History	10th October, 1983
10.	Philosophy	27th September, 1983
11.	Linguistics	17th September, 1983
12.	Library Science	27th September, 1983
13.	Political Science	22nd October, 1983
14.	Economics	10th October, 1983
15.	Sociology	12th October, 1983
16.	Physics and Meteorology	21st September, 1983
17.	Chemistry	21st September, 1983
18.	Botany	3rd October, 1983
19.	Zoology	24th September, 1983
20.	Bio-Chemistry	20th September, 1983
21.	Microbiology	15th September, 1983
22.	Geology	19th September, 1983
23.	Mathematics	21st September, 1983
24.	Statistics and Actuarial Science	26th September, 1983
25.	Geography	17th December, 1983
26.	Education and Educational Administration	7th October, 1983
27.	Psychology	11th October, 1983
28.	Banking and Business Finance	3rd October, 1983
29.	Accounts	3rd October, 1983
30.	Commerce including Business Administration	3rd October, 1983
31.	Business Economics	4th October, 1983
32.	Co-operation	4th October, 1983
33.	Anatomy and Physiology	5th October, 1983
		13th October, 1983

Sr.No.	Name of the Board	Date of Meeting
34.	Pathological Science, Pharmacology and Forensic Medicine	13th October, 1983
35.	Medicine, Surgery, Midwife etc.	14th October, 1983
36.	Physiotherapy	3rd October, 1983
37.	Chemical Engineering	31st December, 1983
38.	Architecture	31st December, 1983
39.	Applied Chemistry	31st December, 1983
40.	Applied Physics	31st December, 1983
41.	Applied Mathematics	31st December, 1983
42.	Civil Engg. and Applied Mechanics	31st December, 1983
43.	Pharmacy	31st December, 1983
44.	Mechanical Engineering	31st December, 1983
45.	Technology (Textile)	31st December, 1983
46.	Metallurgical Engineering	31st December, 1983
47.	Electrical Engg. and Electronics	31st December, 1983
48.	Meeting of all Boards	31st December, 1983
49.	Law	15th October, 1983
50.	Painting Sculpture, Applied Arts, Art History and Graphic Arts	6th October, 1983
51.	Music, Dance and Dramatics	26th December, 1983
52.	Museology	6th October, 1983
53.	Child Development	18th October, 1983
54.	Foods and Nutrition	18th October, 1983
55.	Clothing and Textiles	19th October, 1983
56.	Home Science Education and Extension	19th October, 1983
57.	Home Management	20th October, 1983
58.	Social Work	Board did not meet.

The important recommendations of the Boards have been included in those of the Faculties in the preceding paragraphs.

## CHAPTER IV

**1. University Board of Sports**

The Board held three meetings during the year. Among its important recommendations were: (i) Participation of the University team in various Inter-University Tournaments, (ii) Appointment of a Committee to prepare a plan for raising the standard of Sports in the University, (iii) Revision of amount for Lunch and Tea in cricket and for refreshment for local matches, (iv) Removing the piping border on the Blazer to be given to the players and substituting track-suit for Blazer.

**2. Publication Board**

The Board at its meeting held on 21-12-1983 recommended and/or sanctioned grants for publications of the following works :

- (1) A monograph "Opinions of M. S. University Students on Sex and Marriage". (Child-Development, Home-Science).
- (2) Teaching a course on Marriage. (C. D., Home-Science).
- (3) Principles of Economic Geography (Factors influencing the location for economic Activity). (Geography, Science).
- (4) Adhunik Manav Sandarbh Mai Dharak Bal Ka Roop Mai Dharma (Research Treatise) (Sanskrit, Arts).
- (5) Statistical Summary of Medical Examination Reports of the Students of the M. S. University for 1979-80 and 1980-81. (Statistics, Science).

The following works were referred to the University Grants Commission for sanctioning grants outside the general scheme of the University Grants Commission :

- (1) "Interstate variations in Economic Growth in India".
- (2) "Studies on the knowledge and practices of Medical Students and practitioners related to normal and therapeutic nutrition concepts of the young child (0-6 Years)".
- (3) A Research Work by Dr. S. Srikantiah and Dr. K. R. Shah.

The Board also recommended a comprehensive policy for submitting proposals for publications and their sanction.

### 3. Standing Committee on Equivalence of Examinations

The Committee which met on 29th August, 1983 took the following decisions which were subsequently approved by the Syndicate :

- (1) Since the University does not recognise qualifications acquired by a student as private candidate, the eligibility of a candidate with a qualification under the open University Programme for admission to First LL.B. could not be granted.
- (2) The report of the action taken by the Vice-Chancellor and Pro-Vice-Chancellor under Section 11 (5) (a) and 12 (2) of the Act and O. 177 in deciding the eligibility of 74 students for admission to the various courses of this University for the academic year 1982-83 was noted.

### 4. Committee of Deans of Faculties and Heads of Institutions

The Committee held six meeting during the year at which the following recommendations were discussed and considered :

- (1) U.G.C.'s Merit Promotion Scheme.
- (2) Policy for Rotation of Headship.
- (3) Admission Policy for the year 1983-84.
- (4) Suggestions for casual leave.
- (5) Policy for changing the format of the "Confidential Report" of the teaching personnel etc.

### 5. Press Supervisory Committee

The Committee held four meetings during the year. At these meetings the General reports of the Press Manager regarding the working of the Press, Stationery Unit, Publication Sales Unit and Printing Programme, Purchase of paper, equipment, stationery were discussed and considered.

### 6. Warden's Committee

Two Meetings of the Warden's Committee were held during the year. At these meetings various recommendatons were made and discussed about the allocation of seats for students in the first and second term of the academic year, continuation of D. N. Hall for the year 1983-84 and Sick Leave to Class IV Servants of the Halls of Residence etc.

### 7. National Service Scheme (N.S.S.)

One Meeting of the Advisory Committee of National Service Scheme was held during the year. It approved the Report of (i) the Special Camping Programme and (ii) the General Activities of N.S.S. It recommended (i) enrolment of 1500 students for regular activities and 500 students for special camping programme for the year 1984-85 and (ii) Organisation of Special Programme under N.S.S. for Development and Welfare both for the University and non-University Youth during the International Youth Year of 1985.

### 8. Selection Committees

During the period from 1-4-1983 to 31-3-1984, there were 39 meetings of the Selection Committee appointed under Section 48 (2) and they recommended 23 candidates for appointment to the posts of Professors and/or Readers in various Faculties and Institutions in the University. There were 29 meetings of the Standing Selection Committee for Junior Posts and they recommended 42 candidates for appointment to various posts in the University. In all 52 meetings of the Committee for Class III Posts were held and 60 candidates were recommended. Of these 13 meetings were held by the Committee appointed for Transferable Posts and 39 meetings were held by the Committees appointed for Non-Transferable Posts and have recommended 19 and 41 candidates respectively for appointment to the Posts at various Institutions in the University.

### 9. Selection Committees for Merit Promotion Scheme

During the period from 1-4-1983 to 31-3-1984 there were 41 meetings of the Selection Committee appointed by the Syndicate as indicated in the Guide lines of the U.G.C. They recommended promotion of 16 Readers to the posts of Professors and 72 Lecturers to those of Readers.

### 10. Board of Extra Mural Studies

The Meeting of the Board which was held on 21-10-1983 recommended a Programme of Extension lectures by University teachers and outside experts for which an amount of Rs. 12,000/- was sanctioned.

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

A Meeting of the Committee was held on 13-12-1983 and recommended the appointment of Medical Examination Board and Assistant Medical Officer and also recommended the changing of the designation of the post of the Medical Officer to Chief Medical Officer.

**12. Library Committee**

A Meeting of the Library Committee was held on 26-4-1983 and recommended the allocation of the U.G.C. Grant of Rs. 5.00 lakhs sanctioned for the purchase of Books and Journals under the VI Plan.

**13. Sir Sayajirao III Memorial Research Prize Fund Committee**

The Prize essay on “ગુજરાતી-મરાઠી-હિન્દી શૈક્ષણિક્ષિત્યમાં માનવીય વેદનાઓનું આલેખન” for the year 1983-84 was invited. The last date for receiving the essays was 15th December, 1983. Twelve essays were received. However, on request from some participants the last date for receiving entries was extended by three months, and this was approved by the Syndicate under S.R. No. 25 of 26th April, 1984.

**CHAPTER V**

1. During the year 101 new students were registered for the Ph.D. degree. Their Faculty-wise break-up is: Arts—29, Science—19, Commerce—2, Education and Psychology—23, Home Science—5, Medicine—7, Technology and Engineering—14, Fine Arts (including Music College)—2.

During the year 1983-84 the number of students actively pursuing Ph.D. research work in the various faculties was as under:

<i>Sr.No.</i>	<i>Faculty</i>	<i>Number</i>
1.	Faculty of Arts	151
2.	Faculty of Science	63
3.	Faculty of Commerce	24
4.	Faculty of Education and Psychology	66
5.	Faculty of Home Science	16
6.	Faculty of Medicine	27
7.	Faculty of Technology and Engineering	75
8.	Faculty of Law	06
9.	Faculty of Fine Arts (including Music College)	29
10.	Faculty of Social Work	03
Grand Total		460

**2. Research Schemes Financed by the University for the year 1983-84**

<i>Sr.No.</i>	<i>Name of the Teacher</i>	<i>Title of the Research Scheme</i>
<b>Faculty of Arts</b>		
1.	Seshadri C. K.	Preparation of Teaching Material in English for use in the Faculty of Law.
2.	Sharma B. D.	Punarjagran ke Pariprekshya Men Bharatendu Kalin Hindi Upanyasa Sahitya.
3.	Raval A. J.	A critical Text with introduction of the Kautuka: A Commentary on the Tarkasangraha.

Sr.No.	Name of the Teacher	Title of the Research Scheme
4.	Shah K. M.	Critical Theory for Contemporary Hindi Novel.
5.	Shukla H. C.	Third World concerns and study of world order: A Research Programme for Graduate Instruction in International Relations.
6.	Pandya S. N.	આધુનિક ગુજરાતી નવલકામાં ભાષાનો વિનીયોગ.
7.	Modi B. V.	The Parsi Gujarati Dialect: A study in Linguistic variations.
<b>Faculty of Science</b>		
8.	Ramchandran A. V.	Pineal and Carbohydrate Metabolism.
9.	Bhatt V. P.	Single crystal growth, Microhardness and deformation characteristics of some interesting Ternary alloy crystals.
10.	Pandya G. R.	Growth and Electrical proportion of Ferro electric crystals.
11.	Kapadia R. N.	Synthesis and characterisation of New cheleating Ampotarc Ion Exchanger.
12.	Chudasama U. V.	Ternary complexes involving some Bouncing and Tridentate Ligands.
13.	Menon J. G.	Experimental Studies on Appendage Regeneration in Adult Reptiles and Lerval Amphibians.
14.	Shingarpure D. M.	Technological Investigation of Mesozoic and Tertiary Rocks of Kutch (Gujarat State).
15.	Chauhan B. C.	Toxicological behavioural and Physiological effects of a Psychoactive druglithium Carbonate.
16.	Patel P. V.	Certain Histophysiological and Biochemical studies in some Tissues of Diabetic Rats.
17.	Subnis S. D.	Chemical Studies on Host Parasite relationship— I Tobacco Crobanche.
18.	Desai H. S.	Scatening of Electrons by alkali atoms.
19.	Kinariwala R. V.	Possible effects of diet on wound healing as well as regeneration in certain reptiles.
20.	Nair G. M.	Biology of sexual interaction in polluted and non-polluted trees.
21.	Verghese N. M.	Studies in Isoflavones.
22.	Nene R. V.	Histophysiological studies on the avoin twitch and tonic muscles.
23.	Nair K. B.	Studies in Biquislines.

Sr.No. Name of the Teacher Title of the Research Scheme

**Faculty of Education and Psychology**

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|-----|--|---|
| 24. | Buch P. M.                                   | Follow up study of an Innovation in Curriculum organisation and Instruction.                          |
| 25. | Christian J. A.                              | The effect of value inputs on academic performance and related psychic factors.                       |
| 26. | Dekhtawala, P. B.                            | An inquiry into the study habits of B.Ed. students.   |
| 27. | ( i ) Menon M. B.<br>( ii ) Lakshmi T. K. S. | Systemisation of instruction for a course on 'Principles and Practice of Instruction at B.Ed. level'. |

**Faculty of Medicine**

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|-----|--|--|
| 28. | Gulati O. D.   | Interactions between 6 Hydroxyptamine and Apomorphine on various smooth Muscles.                         |
| 29. | Dadlani A. G.  | Clinical study of Human Equilibrium by Electro-nystagography and Cnario-corpography.                     |
| 30. | ( i ) Palan B. M.<br>( ii ) Desai S. V.<br>( iii ) Lakhani J. D.<br>( iv ) Kotecha P. B. | Postural and Chronobiological Studies of blood pressure in Normotensive and Hypertensive Human subjects. |
| 31. | Asnani M. B.   | A study on serodiagnosis of Entamoeba histolytica dysentery cases.                                       |
| 32. | Pasale R. K.   | Traditional Medicine in Practice in Vadodara.  |

**Faculty of Technology and Engineering**

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|-----|---|--|
| 33. | Agrawal Y. K.                             | Studies on Trace Metals in Drugs and Pharmaceuticals.          |
| 34. | Balaraman R.                              | Cadimum induced Hypertension in Rats.                          |
| 35. | Joshi T. R.                               | Thermoluminescence and its application in radiation Dosimetry. |
| 36. | Naik S. U.                                | Application of Laser in Pharmacy.                              |
| 37. | Oza K. T.                                 | Mass Transfer with and without chemical reactions.             |
| 38. | Subrahmanyam N.                           | Effect of ultra sonic vibration on the Texture of catalysts.   |
| 39. | ( i ) Dabke S. P.<br>( ii ) Puranik S. A. | Vapour and Liquid equilibrium studies.                         |
| 40. | ( i ) Gade V. M.<br>( ii ) Puranik S. A.  | Studies in Mass Transfer.                                      |
| 41. | Patodi S. C.                              | Large deflection analysis of laminated and stiffened plates.   |

Sr.No.	Name of the Teacher	Title of the Research Scheme
42.	Jain N. K.	Study on Hydrotropic solubilization.
43.	Singh V.	Extraction with Reaction.
44.	Ethirajulu K.	Studies on diffusion in liquids.
45.	Patel R. V.	Kinetics of Enzymatic hydrolysis of cellulosic substrates.
46.	Shroff A. V.	Co-relation of strength viscosity, Time-temperature of Resin grants.
47.	Vora R. A.	Synthesis, characterization and evaluation of thermally stable polymers.
48.	Rao K. K.	Study on Pigments produced by the genus Pseudomonas.

#### Polytechnic

49.	Patel M. I.	Study of the Plate-type heat exchanger.
50.	( i ) Sarana N. A. ( ii ) Shah R. J.	Selective refining of lubricating Oil fractions.
51.	Agrawal K. S.	Cyclic Absorption.
52.	Talpande A. G.	Studies in Reaction Kinetics.
53.	Teredesai P. L.	A study of growth trends in industrial relations in some selected comparative sugar factories in Gujarat.

#### Faculty of Fine Arts

54.	Trivedi V. P.	Study of some religions Illustrations in Manuscripts from some wall Paintings and Temples.
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#### Faculty of Home Science

55.	Phadke S. M.	A study of Wash and wear finishing of garments with finishes containing Acrylic Derivatives.
56.	Patel S. I.	Designing Infants layette.
57.	Gandotra V. S.	A study of Time Management of Families with Mentally Retarded Children.
58.	Parlikar K. R.	Need Identification of teacher's Training Programme in Home Science.
59.	Kapoor N.	Institutions of Infant care—A survey and case studies of selected Institutions.

#### Faculty of Social Work

60.	Maitra P.	A critical evaluation of services offered by Child Guidance Clinic ICSW, Baroda.
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### 3. Research Schemes Sponsored by Outside Agencies

The following Schemes in Progress have been sponsored by the University Grants Commission, Ministries of the Central Government Department(s) of Government of Gujarat, Planning Commission and other Agencies like ICAR, CSIR, ICSSR, ICHR, ICMR PL-480 DST, etc.

Sr. No.	Name of the Teacher	Title of Research Scheme and Name of the Financing Body	Remarks regarding the progress of the Scheme
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#### Faculty of Arts

1.	Dr. D. S. Shukla	Editing and Compilation of Lakhpati Jas Sindhu, by Kunwar Kushai—U.G.C.	Work in progress.
2.	Dr. R. G. Sharma	Madhya Kalin Bhakti Kavya ki Dharmik Prasthan Bhumi—U.G.C.	—do—
3.	Prof. A. P. Rana	A Survey of Research on the Theoretical Aspects of International Relations—ICSSR	Work in progress.
4.	Prof. Thomas Pantham	( i ) A Survey of Research on Models and Strategies of Change—ICSSR ( ii ) Writing a University Level textbook on Modern Political Thought—U.G.C.	—do— —do—
5.	Dr. V. G. Nandedkar	A Study of Agricultural Administration in District Panchayats—U.G.C.	Data processing completed.
6.	Dr. (Mrs.) J. M. Panchanadikar	The level of Development of Social Welfare Services in the State of Gujarat.—Central Ministry of Social Welfare, G.O.I.	Nearing completion.
7.	Mr. P. J. Patel	Trade Union Activities, A Study of Working Class Leaders—ICSSR	—do—

Sr. No.	Name of the Teacher	Title of Research Scheme and Name of the Financing Body	Remarks regarding the progress of the Scheme
8.	Miss C. M. Bharucha	Socio-Economic Survey of Rural South-Gujarat Parsees.—Jointly Sponsored by the World Organization, London and Surat Parsee Panchayat	Work in progress.
9.	Prof. M. B. Desai and S. K. Varma	Research Project on "Urbanisation, Industrialization and Change in Agriculture and Rural Life—United States Department of Agriculture, Washington. (PL-480 Rupee counter part fund from the American Embassy, New Delhi)	Drafting of the Report completed. Cyclostyling of the Report in progress.

#### Faculty of Science

10.	Prof. R. N. P. Sinha	Land Use Survey and Mapping NC 24 and Amod and Vagra Talukas—Government of Gujarat	Work completed Colour Land Use Maps and Work of writing preliminary report in progress.
11.	Dr. (Smt.) V. C. Rangaswamy	Dodiapada Taluka as working of a Tribal Area—U.G.C.	Work of writing papers and Maps in progress.
12.	Dr. (Smt.) Jayshree De and R. S. Gollerkeri	Spatial and Temporal Distribution of diseases in Baroda city: A Study in Medical Geography—U.G.C.	—do—
13.	Dr. N. B. Sharma	Effect of Interaction of gestational Nutrition and Alcohol intake on the capacity of aggregate cells from foetal rat brain to grow and mature in a chemistry defined medium.—U.G.C.	Work in progress.

Sr. No.	Name of the Teacher	Title of Research Scheme and Name of the Financing Body	Remarks regarding the progress of the Scheme
14.	Prof. R. Rajalakshmi	( i ) Nutritional context of service through health and non-health channels : a Situational—Analysis ICMR  ( ii ) Studies on Fluoroids in humans and rats.—Government of Gujarat and I.C.M.R.	Work in progress.  —do—
15.	Prof. A. R. Mehta	Clonal multiplication and Improvement of <i>C. mukul</i> by Tissue Culture Methods— D.S.T.	Work in progress.
16.	Dr. (Mrs.) M. A. Paddy	Clonal Propagation of Treeferns through Tissue Culture Methods—U.G.C.	— do—
17.	Dr. P. N. Bhatt	Selection of cell lines resistant to the inhibitors and analogues from cell suspension cultures of <i>solumum</i> spp.—C.S.I.R.	Work in progress.
18.	Dr. P. K. Bhattacharya	Change transfer interaction in mixed ligand complexes—C.S.I.R.	—do—
19.	Dr. Surekha Devi	Preparation and characterizatices —C.S.I.R.	—do—
20.	Dr. R. N. Ram	Some Studies on catalyst preparation, characterization of chelated metal complexes. Supported on polymer metrix.—C.S.I.R.	— do—
21.	Dr. (Smt.) V. C. Rangaswamy	Dodiapada Taluka as Working of a Tribal Area—U.G.C.	— do—
22.	Dr. D. R. Gedekar	( i ) Analysis of Satallite imagery of Gujarat with special reference to sedimentology geomorphology and hydrogeology.I.S.R.O., G.O.I.	Final Report being prepared.

Sr. No.	Name of the Teacher	Title of Research Scheme and Name of the Financing Body	Remarks regarding the progress of the Scheme
		(ii) Textural characteristics of known recent aeolian littoral and fluvial sediments in Gujarat and their utility in reconstruction of Quaternary depositional environments.—U.G.C.	Final Report under preparation.
23.	Dr. A. N. Shah and Dr. R. V. Karanth	Studies on the Base Metal Mineralization in the Champaner Group Chari and Khandia in Central Gujarat.—U.G.C.	Work in progress.
24.	Prof. V. V. Modi	(i) Molecular aspects and hormonal control of ripening in certain tropical fruits—D.S.T.	Scheme to be started.
		(ii) Studies on degradation of chlorinated aromatic HCS	—do—
		(iii) Sewage sludge hygeinization with Y. irradiation Microbiological aspects. BARC, Bombay.	—do—
		(iv) Co-ordinated Scheme on Biological nitrogen fixation.—I.C.A., New Delhi	Work in progress.
		(v) Unconvering of regulatory mechanism controlling nodulation and nitrogen fixation.—I.N.S.A., New Delhi	—do—
		(vi) Studies to enhance biological nitrogen fixation by Biochemistry.—D.S.T.	—do—
		(vii) Role of phytohormones in the ripening of mangoes with emphasis on storage abnormalities and preservation.—U.G.C.	—do—

Sr. No.	Name of the Teacher	Title of Research Scheme and Name of the Financing Body	Remarks regarding the progress of the Scheme
25.	Dr. H. S. Chhatpar	Studies on microbial biodegradation of materials and methods to control—C.S.I.R.	Scheme to be started.
26.	Shri H. R. Patel	Study of certain aspects of Neural and hormonal control of preputial gland of rats.—U.G.C.	—do—
27.	Miss Mehan S.J.P.	Metabolism in Birds.—U.G.C.	—do—
28.	Miss K. J. Derasari	Studies on certain aspects of reproductive physiology—U.G.C.	Work in progress.
29.	Miss Aryar	Studies on certain aspects of endocrine physiology in birds—U.G.C.	—do—
30.	Miss Sophy Mariamma Chacke	Certain aspects of ceretebrate regeneration—U.G.C.	—do—
31.	Miss Desai Smruti S.	Studies in the respective physiology of some vertebrate animals.	—do—
<b>Faculty of Education and Psychology</b>			
32.	Prof. M. S. Yadav	Evolving Instructional Modules on Methodology of Educational Research—U.G.C.	Work in progress.
33.	Dr. S. Roy, Dr. R. Govinda and Dr. G. R. Sudame	Evolving a Skillbased Programme for Teacher Preparation—U.G.C.	—do—
34.	Dr. G. R. Sudame	A Study of School Broadcasts in Baroda District—U.G.C.	—do—
35.	Dr. D. C. Joshi	A Study of Classroom Climate and Methods of Teaching Adopted by the Indian Universities—U.G.C.	—do—
36.	Dr. D. B. Desai	A Study of Vocationalisation of Education at the Plus 2 Stages—Planning Commission	—do—

Sr. No.	Name of the Teacher	Title of Research Scheme and Name of the Financing Body	Remarks regarding the progress of the Scheme
<b>Medical College</b>			
37.	Dr. K. D. Pandya	Study of Pulmonary function tests in normal Pregnancy and diseases.—G.G.	Work in progress.
38.	Dr. D. R. Trivedi	Study of Physiological changes in patients with urolithiasis to determine its possible aetiology.—G.G.	—do—
39.	Dr. A. G. Dadlani	Study of Human equilibrium by Electronystagmography and Cranio-Corpopography.—G.G.	Work in progress.
40.	Dr. (Mrs.) S. R. Brahmhatt	A Study of Serum lipid profile and trace elements in patients of Cerebrovascular accidents.—G.G.	—do—
41.	Dr. S. C. Parikh and Dr. R. V. Bhatt	A Study on Biochemical composition of the viscera collected from the foetuses aborted (and still-birth) at different gestational ages.—G.G.	—do—
42.	Dr. J. D. Bhatt	Investigation on interaction of captepril (Sq. 14225 (A new antihypertensive agent) with various agents on smooth muscles.—G.G.	—do—
43.	Dr. O. D. Gulati and Dr. K. G. Hemavathi	(i) Investigation of the mechanism of some adverse effects of ketamine —A new parenteral general anaesthetic.—G.G.	—do—
		(ii) A Study of interactions between gamma aminobutyric acid (GABA) and diazepam on the postganglion in sympathetic transmission in the rabbit ileum.—G.G.	—do—
44.	Dr. O. D. Gulati	Studies on the antihypertensive effects of indapamide—Director General, Health Services.—GOI.	—do—

Sr. No.	Name of the Teacher	Title of Research Scheme and Name of the Financing Body	Remarks regarding the progress of the Scheme
45.	Dr. K. J. Sheth and Vyas	Plasma immunoglobulin level in eye's diseases.—I.C.M.R.	Work in progress.
46.	Dr. A. B. Khorana	Several Mental Morbidity Survey —I.C.M.R.	—do—
47.	Dr. R. B. Udawadia	Vestibular function tests in patients with motion sickness.—G.G.	—do—
48.	Dr. R. S. Tiwari	Chemotherapy of malignancy of head and neck in combination with radiotherapy.—G.G.	—do—
<b>Faculty of Technology and Engineering</b>			
49.	Prof. V. L. Gadgeel	Ultrasonic Measurement—DAE, Bombay	Work in progress.
50.	Shri D. K. Basa	Solid Liquid Interface position during Solidification	—do—
51.	Dr. Y. K. Agrawal	(i) Studies on Synthesis/Development of additive for pour point Rheological and Restart behaviour of North Gujarat Crude. O.N.G.C.	—do—
		(ii) "Synthesis and development of the products equivalent to COREXIT-7631, TROB TH 804, VISCO-933, TROS TK 440 and HD-1060 O.N.G.C.	—do—
52.	Prof. R. V. Joshi and Dr. T. R. Joshi	Thermoluminescence, its understanding and use in radiation dosimetry. C.S.I.R.	Work in progress.
53.	Dr. (Mrs.) Padmini Agarwal	Investigation of Special and dielectric properties of liquid crystalline mixture D.A.E., Bombay	—do—
<b>Faculty of Fine Arts</b>			
54.	Prof. Ratan Parimoo	Encyclopaedic Index of Vaishnav Myths, Symbols and Icons as represented in Painting and Sculpture, Phase I, Vaishnavism —U.G.C.	—do—

Sr. No.	Name of the Teacher	Title of Researche Scheme and Name of the Financing Body	Remarks regarding the progress of the Schem
<b>Faculty of Home Science</b>			
55.	Mrs. Parul Dave	( i ) Utilization of Welfare Services in tribal areas of Gujarat. G.G.	Nearing completion.
		( ii ) Developing visual materials for rural and tribal women for Responsible parenthood—Department of Adult Education and UNICEF.	Work in progress.
56.	Dr. Purna Mohite	Learning difficulties of primary school children—NCERT, ERIG	—do—
57.	Dr. Yogini Pathak	Women's program in at rural set-up—Australian E.C.E. Association	—do—
58.	Dr. K. Paralikar	Fuel Management practices of rural Home-makers and its effect on their health G.O.I.	Work in progress.
59.	Dr. ( Mrs.) V. Gandotra	Retirement problems needs and Plans of selected occupational groups	Under Process of Development.
60.	Dr. N. Ogale and Dr. R. George	A study on the performance of solar cooker. Department of Non-conventional Energy sources.	Data collection and Experimentation stage.
61.	Dr. N. Ogale and Dr. (Mrs.) K. Srinivasan	Economic and Psychic cost of Gainful employment of married mothers. I.C.S.S.R.	Data collection and analysis stage.
62.	Prof. Tara Gopaldas and Mrs. S. Seshadri	Training & Research in Nutrition and Health Education (NHE) for the field functionaries of the Intergrated Child Development Services (ICDS). WHO.	Work in progress.
63.	Prof. Sunder Gujaral and U. V. Mani	Nutritional—Studies on Thiocyanated Milk—National Dairy Development Board (NDDDB)	—do—
64.	Dr. U. V. Mani	Effect of Wheat Bran supplements on Lipid profile in Diabetic patients—M/s. Windsor Foods Ltd., Baroda	—do—

## CHAPTER VI

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

(A) Lectures under University Grants Commission Schemes of Exchange of Teachers or National Lectureship.

Sr.No.	Name of the Lecturer	Date/s	Subject
<b>Faculty of Science</b>			
1.	Prof. Patel, S. R.	6-7 March '84	Synthesis and Characterization of Polymers.
2.	Prof. Misra, S.	29-30 March '84	NMR spectra of Heme and Hemo-globin.
3.	Dr. Nayak, S. R. SAC (ISRO) Ahmedabad	23-02-84	(a) Principles of Remote Sensing.
		24-02-84	(b) Monitoring of Coastal Environments.
		25-02-84	(c) Coastal Morphology : A case of the Gulf of Khambhat.
			(d) Remote Sensing of Water Quality.
			Remote Sensing of Reservoir Sedimentation.
4.	Mahajan, S. K.	02-02-84	Delivered lectures and conducted
		to	practicals for M.Sc. students on
		15-02-84	'Microbial genetics'
5.	Dr. Johnston, A. W. John Innes Inst., Norwich, U. K.	08-12-83	The genes for symbiotic nitrogen fixation—a source of crop improvement.

Sr.No.	Name of the Lecturer	Date/s	Subject
6.	Dr. Kondorosi, A. Inst. of Genetics, Hungarian Academy of Science, Szeged, Hungary.	08-12-83	Genetics of Rhizobium.
7.	Dr. Shah, V. K. Uni. of Wisconsin, U.S.A.	—do—	Active site of nitrogenase and electron transport.
8.	Dr. Notani, M. K. BARC, Bombay.	09-12-83	Biology and future of man from genetics to cerebral imperatives.
9.	Dr. Nadkarni, G. B. BARC, Bombay.	—do—	Covalent regulation of Chromosomal proteins.
10.	Prof. Klingmuller W., Uni. of Bayreuth, Fed. Rep. of Germany.	10-12-83	Transfer of nif gene in Rhizosphere organisms.
11.	Dr. Tanner, R. D. Vanderbit University, Tennessee, U. S.A.	27-02-84	Kinetics of Solid fermentation
12.	Dr. Charney, W. New Jersey, U.S.A.	27-02-84	Microbial transformation of steroids.
13.	Dr. Humphrey, A. E. Uni. of Pennsylvania, U.S.A.	27-02-84	Computer control of fermentation.
14.	Dr. Talwar, G. P. National Institute of Immunology, AIIMS, New Delhi.	11-03-84	Modern approaches to immunological techniques.
15.	Prof. Adke, S. R. Uni. of Poona, Poona.	30-01-84 to 01-02-84	Problems of Inference for Stochastic Processes.
16.	Dr. (Mrs.) Sheela Taiwalker, Hindustan Ciba- Geigy, Bombay.	02-02-84 to 04-02-84	Bio-Assays, Clinical trials and Discriminant Analysis in Medicine.
17.	Dr. Datta, A. School of Life Science, J. N. University, New Delhi.	08-12-83	Gene expression at translational level.
18.	Dr. Kuykendall, D. U.S.D.A., Maryland, U.S.A.	—do—	Genetics of Rhizohium.
19.	Dr. Woodruff, H. B. New Jersey, U.S.A.	27-02-84	Significance of research in Soil microbiology.

Sr.No.	Name of the Teacher	Date/s	Subject
<b>Faculty of Education and Psychology</b>			
1.	Dr. Pramodkumar, Head, Deptt. of Psychology, S. P. University, Vallabhvidyanagar.	16-12-83 to 30-12-83	Delivered lectures and conducted Research Seminar for Post-Graduate Students in Department of Psychology.
2.	Dr. Sethna, S.	04-10-83	Teaching as a Career
3.	Dr. Jadega, D. D.	11-10-83	Poetry as Appreciation
4.	Dr. (Miss) Bengali, M.	01-12-83	Role of Teacher in Modern Society.
5.	Dr. Patel, P.	10-12-83	Changing Concept of Teacher in Present Society.
6.	Principal Verma, J. P.	02-12-83	Community Related Education: An Experiment.
7.	Dr. Ganchi, D.	06-12-83	Essentials of Teacher Training
8.	Dr. Palanpur, P. G.	09-12-83	Reflections on Jonathan Seagull
9.	Dr. Joshi, H. R. Surat.	08-12-83	Missing Links in Indian Education.
10.	Dr. Jagtani, R.	17-01-84	Role of Family and Community in Promoting Mental Health.
11.	Dr. Asthana, H. S.	05-02-84	Psychiatry and Law.
12.	Shri Subramaniyam S. Hyderabad	27-01-84	Some Experiments in Selective Attention.
		14-03-84	Clinical Psychology and Police Training.
		15-03-84	'Leadership'.
<b>Faculty of Fine Arts</b>			
1.	Mr. Khosla, R. Architect from Delhi	27-02-84	Art and Architecture of Western Himalayas.
2.	Mr. Patel, A. New Delhi	20-02-84 to 21-02-84	Two Demonstrations on Applied Arts.
3.	Shri Capa, J. Printmaker	02-01-84 to 03-01-84	Demonstration on etching.
4.	Ms. Goodwin Elaine, from Exeter, (U.K.)	07-12-83 to 12-12-83	Workshop in Mosaic.

Sr.No.	Name of the Lecturer	Date	Subject
<b>Faculty of Performing Arts ( Previously College of Music, Dance and Dramatics )</b>			
1.	Dr. Diggavi, M. G.	18-02-84	Composers of Karnatak Music.
2.	Dr. Sharma, S.	25-02-84	Special Features of Dhrupad Gayaki
3.	Shri Telang, G.	07-12-83	Thumari Gayaki and its varieties.
4.	Smt. Poulsen, A.	27-09-83 to 28-09-83	Ballet Danc.s of East, Modern Dance.
5.	Shri Patel, M. and Smt. Khandelwala, A.	19-09-83	Folk Music of South Gujarat.

#### Faculty of Home Science

1.	Dr. Pai, J. S. Reader, University Department of Chemical Technology, Bombay.	28-03-84	Recent Advances in Oil Technology.
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#### Faculty of Social Work

1.	Swami Vyomanandji, Ramkirshna Mission, Rajkot.	12-03-84	Mind and its Management.
2.	Dr. Pandey, S. P. Head, Unit for Research and Consultancy in Social Policy and Social Welfare Administration, T.I.S.S., Bombay.	23-12-83	1. Service delivery system for social welfare. 2. Role of Social Work in Disasters.

(B) Lectures delivered under Extra Mural Grants or other Schemes.

#### Faculty of Arts

##### Dept. of Archaeology and Ancient History :

1.	Prof. Paul Craddock —do—	26-12-83 27-12-83	A History of Metallurgy. Science in British Museum.
2.	Prof. Mehta, R. N. Ex-Prof. and Head, Department of Archaeology, Faculty of Arts, M.S.U., Baroda	2-3-84	Geography behind History of Baroda City.

Sr.No.	Name of the Lecturer	Date	Subject
<i>Department of Hindi :</i>			
3.	Prof. Mishra, S.	21-1-84	'Acharya Ramchandra Shukla'.
<i>Department of Marathi :</i>			
4.	Shri Surve, N.	10-10-83	Modern Marathi Poetry ( Dalit ) and gave poetry recitation.
<i>Department of Political Science :</i>			
5.	Prof. Swarup, S.	26-10-83	"The Punjab Situation Today".
6.	Prof. Kothari, R.	5-12-83	"The Crises of our Times : Political and Economic Dimensions."
<i>Department of Sociology :</i>			
7.	Prof. Sheth, N. R.	12-10-83	The Value of Sociology : The case of Sociology of Organizations.
8.	Prof. Shah, A. M.	14-10-83	Social Structure, Change and History.
<i>Department of Sanskrit :</i>			
9.	Dr. Nandi, T. S., Reader in Sanskrit, Gujarat University, Ahmedabad.	18-14-84	Concept of Poetry according to ancient Indian Rhetoricians.
<b>Faculty of Science</b>			
1.	Dr. Subramaniam, D. Director CIBA—Geigy Bombay.	23-7-1983	"Immunology".
2.	Prof. Bhattacharya, A. K. Calcutta	12-12-1983	"Protein Energy Malnutrition, Child Abuse and Neglect".
3.	Shri Amin, V. J. Baroda	16-1-1984 18-1-1984	Biochemical Engineering
4.	Tripathi, A. N. Physics Department, University of Roorki	13-1-1984	Recent Development in Atomic and Molecular Scattering Theories.
5.	Prof. Thakkar, S. N. Banaras Hindu University, Varanasi	25-1-1984	Photoacoustic spectroscopy

Sr.No.	Name of the Lecturer	Date	Subject
6.	Prof. Johnson Craia	4-2-1984	Findings on Kashmir Valley and Himalayan Slopes.
7.	Prof. Mehta, R. N. Ex. Prof. and Head, Department of Archaeology Faculty of Arts, M. S. University of Baroda, Baroda	2-3-1984	Geography behind History of Baroda City
8.	Shri Patel, B. A. Manager, EDP Section, Baroda Municipal Corporation, Baroda.	9-3-1984	Application of Computer Programming.

#### Faculty of Commerce

1.	Dr. Desai, H. B. Indian Institute of Foreign Trade, New Delhi.	14-9-1983	International Marketing and Export Promotion in the Indian context.
		18-1-1984	Technological development in the field of transportation and their impact on Indian transportation system.
2.	Prof. Kanungo, R. N. McGill University, Canada	30-9-1983	Work Alienation and Motivation
3.	Dr. Agrawal, R. B. L. Prof. of Banking and Management, Sukhadia University, Udaipur	15-10-1983	Project Appraisal for small scale Industries
4.	Shri Jauhari, B. S. Audit Officer, Railway Electrifications, Baroda	23-1-1984	Computer Aided Integrated Data Processing
5.	Prof. Singh, K. Institute of Rural Management, Anand.	18-2-1984	Rural Management Challenges, Opportunities and Issues.
6.	Dr. Madalia, V. K. Prof. of Rural Studies at the South Gujarat University, Surat.	28-2-1984	Integrated Rural Development Programmes

Sr.No.	Name of the Lecturer	Date	Subject
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#### Faculty of Education and Psychology

1.	Dr. Dutt, N. K.	29-7-1983	Hynopsis
2.	Dr. Shankernarayan, B. Udipi	2-8-1983	Changing Role of Teacher
3.	Shri Handa, K. L., Udipi	2-8-1983	Changing Role of Teacher
4.	Principal Prasad, M. V.	22-9-1983	National Commission on Teachers.
5.	Ku. Pandit, P.	27-9-1983	Universal Impact of Indian Culture
6.	Dr. Divekar, S. M.	20-9-1983	Experiences of a Teacher Educator
7.	Prof. Quraishi, M. A.	6-10-1983	Iqbal's Philosophy of Education
8.	Shri Jani, R.	3-12-1983	Expectations of a Principal
9.	Dr. Sister Stella	5-12-1983	Clarification of Values in Teaching Profession
10.	Dr. (Miss) Bengali, M.	1-12-1983	Guidance and Counselling

#### Faculty of Fine Arts

1.	Shri Daroz, P. New Delhi	18-2-1984 1-3-1984	Pottery
2.	Shri Chowdhury, J.	12-3-1984 13-3-1984	My Preoccupations as an artist Slide show and Comments
3.	Shri Malek, U. K.	26-3-1984 27-3-1984	Traditional Technique in Sculpture

#### Faculty of Performing Arts

1.	Shri Dhananjayan, V. P.	29-10-1983	Abhinaya in Kathakali
2.	Dr. Mehta, B.	23-2-1984	1. Ramlila of Banaras 2. Theatre design and Performance of Ramlila with slide show.

#### Faculty of Home Science

1.	Smt. Mukhi, S.	21-1-1984	1. Family Life Education 2. Early detection, training and rehabilitation of the Deaf.
2.	Dr. (Smt.) Vyas, V. Chief Executive, Mother and Child Centre, Tribhuvandas Foundation, Amul Dairy, Anand.	2-2-1984	Approaches to rural development with special reference to women's programmes.

Sr.No.	Name of the Lecturer	Date	Subject
3.	Shri Arul, M. J. Institute of Rural, Management, Anand.	3-2-1984	Decision Making process in rural management
4.	Dr. (Smt.) Krishna Oberoi	11-3-1984 to 24-3-1984	Ergonomics in Home
<b>Medical College</b>			
1.	Dr. Mani, M. K. Chief Nephrologist, Jaslok Hospital, Bombay	21-5-1983	Management of Chronic Renal failure
2.	Dr. Dass, P. K. Prof. and Head, Dept. of Pharmacology, BHU Varanasi	21-5-1983	Role of central nervous system in moderating peripheral inflammation.
3.	Dr. Raju, Prof. of Ophthalmology, to Virgina Univ. of U.S.A.	19-9-1983 21-9-83	Corneal ulcer Herpes simplex Trabeulotomy
4.	Dr. Fispati, P. K. Consulting Rheumatologist, General Hospital, Bombay	3-12-1983	An overview of Rheumatology
5.	Dr. Desai, P. Assoc. Prof. of Psychiatry, Univ. of Illinois, U.S.A.	26-12-1983	Hindu view of Health
6.	Dr. Bhagvati, S. N. Consultant Neurosurgeon, Bombay Hospital, Bombay	31-12-1983	Investigations and Management of Brain Tumours
7.	Dr. Philip Myerocough, Sr. Consultant in Obst. and Gynaec. at Medical School, Edinburgh, ( U.K. )	23-1-1984	The Clinical Touch
8.	Prof. Shreehari, M. Prof. and Head, Dept. of Statistics, Faculty of Science, M.S. University, Baroda.	29-3-1984	Paramatric and non-paramatric in- ference problems.
9.	Dr. Subbaiah, T. V. Alembic Chemical Works, Baroda	30-3-1984 31-3-1984	1. Gene cloning and Hybridoma Techniques 2. Gene cleaning and its inpaction medicine

Sr. No.	Name of the Lecturer	Date	Subject
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**Shri M. K. Amin Arts and Science College and College of Commerce, Padra**

1.	Shri Kapadia, R. M. Hon. Prof. in Accountancy, Faculty of Commerce, Baroda	17-1-1984	Holding Companies Amalgamation and Liquidation
2.	Prof. Trivedi, M. S. Director, Sardar Pa tel Institute of Economics and Social Research	30-1-1984	Nature of Inflation in India

**Sanskrit Mahavidyalaya**

1.	Pt. Shri Joshi, R.	29-12-1983	जगतः स्वरुपम्
2.	Shri Thakar, J. P.	19-1-1984	लघुप्रबन्ध संग्रहस्य महत्वम्
3.	Dr. Shastri, Y. S.	3-3-1984	नैषधं निध्वं दौषधम्
4.	Pt. Shri Shastri, Y. S.	24-3-1984	श्रीमद् भागवतम्

( C ) Lectures delivered under the auspices of the Departments.

**Faculty of Arts**

*Department of Political Science :*

1.	Dr. Tom Nossiter	1-10-1983	Higher Education in the United Kingdom
2.	Prof. Walt Whatman	19-10-1983	North-South Dialogue and Inter- national Developments .,
3.	Prof. ( Mrs. ) Elepeth W. Rostow	19-10-1983	View from the White House : Kennedy to Reagen
4.	Prof. Kothari, R., Nandy A., Desai, A. R. and Shah, G.	6-12-1983	Crisis of the Indian Political Sys- tem : Is there a way out ?”.
5.	Greenleaf, W. H.	10-12-1983	Oakshott, a Contemporary Political Philosophy : A Contemporary Assessment
6.	Prof. Greenleaf, W. H.	7-9-1983 12-9-1983 14-9-1983	Popular Democracy and its Alter- native : Myth and Reality in British Politics
7.	Dr. Dale Hall	9-1-1984 11-1-1983	Classical European Political Thou- ght
8.	Ambassador Neuman	7-3-1984	Role of Congress in U.S. Policy Making

Sr. No.	Name of the Lecturer	Date	Subject
<i>Department of Agriculture Economics :</i>			
9.	Prof. Alagh, Y. K. Chairman of the Industrial Costing and Pricing Bureau and Former Chairman of the Agricultural Prices Commission, New Delhi	24-2-1984	Pricing Policy in Agriculture and Industry

#### Faculty of Science

1.	Dr. Panday, G. P.	6-7-1983	Photochemistry of Organic compounds.
2.	Dr. Ray, A.	6-8-1983 13-8-1983 2-9-1983 9-9-1983	Introduction to polymers and their applications.
3.	Dr. Singh, V. K.	20-8-1983 27-8-1983 17-9-1983 24-9-1983	Designing Organic Synthesis
4.	Dr. Madhusoodan, S.	8-10-1983 15-10-1983 22-10-1983	Hoffmann Woodward Rules
5.	Dr. Saxena, J. P.	24-10-1983	Non benzenoid aromatic system
6.	Prof. Sandhu, S. S.	19-11-1983	The structures of Organotin compounds.
7.	Dr. Grover, P. K.	7-1-1984	Recent advances in estimation of organic molecules in Biological processes
8.	Dr. Seshan, K.	9-2-1984 10-2-1984 11-2-1984	Homogeneous and Heterogeneous catalysis
9.	Dr. Shah, M. Saurashtra Univ. Rajkot	1-2-1984 to 18-2-1984	Advanced Quantum Mechanics
10.	Dr. Patel, R. C. Visiting Professor, California State, University, Chice, U.S.A.	2-9-1983 9-9-1983 23-9-1983 8-10-1983	Factor analysis in Management Cluster analysis in Management Production Planning Techniques Heuristic Algorithm in Managerial Decisions.

Sr.No.	Name of the Lecturer	Date	Subject
11.	Dr. Shah S. N., Prof. & Head, Dept. of Statistics, S. P. Uni., Vallabh Vidyanagar	9-1-1984 to 13-1-1984 and 16-1-1984 to 20-1-1984	Design of Experiments. Design of Experiments
12.	Prof. Johnson Craig	4-2-84	Findings on Kashmir Valley and Himalayan slopes Cardiac Physiology
13.	Dr. Vaishnav Girish	18-3-1984	Certain Observations on Wild life.
14.	Mr. Fateh Singh Jasol	20-3-1984	
<b>Faculty of Education and Psychology</b>			
1.	Prof. Singh R. P., Department of Education, NCERT, New Delhi	25-7-1983 26-7-1983	1. Indian Education under British Rule 2. Colonization and the Status of Native Languages : A Case Study.
2.	Prof. N. K. Dutta, Dept. of Education, University of Delhi, Delhi	27-7-1983 28-7-1983	Functions of Education —do—
3.	Prof. Dewal O. S., CIET, NCERT, New Delhi	8-12-1983 9-12-1983	Towards Open Learning Distance System Management and Organization
4.	Prof. Mehta R. N., Prof. in Archaeology and Head of the Dept., (Retd.) M. S. University of Baroda, Baroda	19-12-1983 20-12-1983	Methodology of Historical Research —do—
5.	Shr Yajnik K., Secretary, Dept. of Edu., Govt. of Gujarat, Gandhinagar	22-12-1983	Some Trends and Thoughts Regarding Educational Planning in Gujarat State
6.	Dr. Chopra S. L., Faculty of Education, Lucknow University, Lucknow (U.P.)	26-12-1983 27-12-1893	Research in Sociology of Education in India —do—
7.	Dr. Kaul L., Department of Education Dean, Faculty of Edu., H.P. University, Simla	15-2-1984 17-2-1984 20-2-1984	Sampling : Some Issues Factor Analysis : Use and Limitations Regression and Prediction, An Introduction. Selection of a Statistical Technique for Analysis of Data in Experimental Research.

Sr.No.	Name of the Lecturer	Date	Subject
8.	Prof. William Prescott, Sub-Dean, Faculty of Educational Studies, Open University, U.K. and Mrs. Phillip Preseu.....	27-2-1984	Distance Education and Adult Education

#### Faculty of Technology and Engineering

##### 1. Electrical Engineering Department:

1.	Prof. Robert B. Pinter, University of Washington, Seattle, Washington, U.S.A.	11-1-1984	The Electrophysical bases for Sun and Non-linear product operators in the Nervous System-Spacial adaptation Characteristics
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#### Faculty of Fine Arts

1.	Shri Ramkumar (Painter)	12-1-1984 13-1-1984	Two lecturer Demonstrations and talk on his work.
2.	Prof. Chaudhury S. (Sculptor)	10-1-1984 11-1-1984	Two lecture Demonstrations on "Portraiture"
3.	Shri Sathya, M. S.	7-3-1984	Present Trends in Political cinema in India.
4.	Shri Bawa, M.	26-3-1984 27-3-1984	"Screen Printing".
5.	Dr. Fabrizzia Baldisserra from University of Milan	11-10-1983	Bhanas : "Sanskrit Monologue Plays".
6.	Mr. Stephen Roach	10-10-1983	Slide show and Comment on his work
7.	Shri Singh, P.	9-12-1983	Slide show and comments on his work.
8.	Mr. Tariq Ali	17-12-1983	Politics and Culture

#### Faculty of Home Science

##### Child Development Department :

1.	Dr. Khatri, A. A.	30-1-1984	Growing up in institutions and families.
2.	Dr. Krishnamoorthy	9-3-1984 10-3-1984	Media—Theatre as a means of Communication.

Sr.No.	Name of the Lecturer	Date	Subject
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#### Education and Extension Department :

3.	Dr. Desai, K. G. Director, Institute of Psychology and Educational Research and Guidance	1-3-1984 to 10-3-1984	Research Methodology
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#### Foods and Nutrition Department :

4.	Dr. Aiyer, A. S. Executive Director, Protein food and Nutrition Develop- ment Association of India	27-2-1984	Packaging of foods as a means of of preservation
5.	Dr. Chakravorty, I. Associate Professor, All India Institute of Hygiene and Public Health, Calcutta	12-3-1984	(a) Nutrition and Pesticies (b) Nutrition and hermonal Pro- file
6.	Prof. Devadas, R. P. Avinashlingam Home Science College, Coimbatore	13-3-1984	(a) Nutrition in Worton : Third World country (b) Tamilnadu Nutritious Lunch Programmes
7.	Prof. Agarwal, K. N. Prof. Pediatrics, Varanasi	14-3-1984	(a) Goitre Problem reassessed (b) Studies on Nutritional Anemia
8.	Dr. Ghosh, S. Sr. Advisor, WHO, Kabul	24-3-1984	(a) Nutritional Problems of Afgha- nistan and their strategies for solution. (b) Growth and Development of Date Babies
9.	Dr. Satyanarayana, K. Asst. Director, NIN, Hyderabad	26-3-1984	(a) Nutritional Status and Work capacity (b) Field Techniques for Assessing Work capacity in children.
10.	Dr. Srinivasan, V. Director, Ambalal Sarabhai Enterprises, Baroda	29-3-1984	Maintenance of Animal House for Research

#### Home Management Department :

11.	Dr. Taneja	23-2-1984	1. Space Requirements for house- hold activities
12.	Mr. Kalra		2. Procedure for Household Equi- pment.

## CHAPTER VII

### 1. New Courses started during the year

The degree course in German came into effect from June of this year.

M.A. Entire—The 8 paper course in Marathi came into effect from June 1983.

Introduction of Russian at S.Y.B.A. Minor and Major and at T.Y.B.A.

#### (ii) Additional Facilities

In M.A.—Part I (Sanskrit Principal) the Department now offers the subject of Sahityasastras an optional course.

## Department of Archaeology and Ancient History

1. Hegde K. T. M. (i) The Art of the Harappan Microbead  
(ii) Mining, Smelting and Smithery of copper in Ancient India  
Zinc production in Ancient India
2. Hegde K. T. M., Craddock P. T. and Gurjar L. K. Sivani Daksinamurtio  
(i) Some more Sculptures from Kaleshwari District Panchamahals, Gujarat  
(ii) Rotary Quern Quarry at Kakachia  
(iii) Prehistoric Cultures of Panchamahals, Gujarat
5. Bhan K. Nageshwar: A Chalcolithic Shell manufacturing site

## Economics Department

6. Hashim S. R. Block Level Planning in Gujarat  
JMSU, Vol. XXIX, No. 2, (Published during 1983-84).
7. Hashim S. R. and Singh A. A Perspective on Fertiliser Industry in Gujarat  
Problems and Prospects (Ed. D. T. Lakdawala). 1983.
8. Shah M. Variations in Literacy Rates and Underlying Socio-Economic Factors—A Case Study of Chorasi Taluka in Surat  
JMSU, Vol. XXIX, No. 2, (Published during 1983-84).
9. Dholakia R. H. (i) Interstate Variations in Economics Growth and State Income Inequality in India  
(ii) Men and Development, Vol. V, No. 2, June, 1983.

- (ii) Economic Growth and Fluctuations in Gujarat  
(iii) A Common Firm's Longrun Average Cost Curve Revisited  
(iv) Regional Aspects of Economic Growth and Productivity Change in India
10. Rede L. A. (i) Towards Profitability of Manufacturing Industries  
(ii) Persistency of rates of profit in Indian Manufacturing Industries  
JMSU, Vol. XXIX, No. 2, (Published during 1983-84).
11. Parikh Y. O. Migration on Baroda Interregional and Interstate Analysis  
JMSU, Vol. XXIX, No. 2, (Published during 1983-84).

## English Department

12. Raval R. K. 'Keats and Constable: A Study in the Aesthetics of Stasis and Motion',  
The Literary Criterion, Vol. XVIII, No. 3, July-September, 1983.
13. Dr. Devi G. N. 'About the Trial',  
Gujarati translation, January, 1984.

## German Department

14. Shrinivasan D. Kaika im Unterricht  
German Studies in India, Vol. 7, June-September, 1983, pp. 83-96.

## Hindi Department

15. Shukla D. S. (a) 'हिन्दी राष्ट्रीय एकता की दिशामें',  
(b) 'गुजरात की सांस्कृतिक परम्परा में उत्सव',  
(c) समीक्षा 'संतक्रिया', 'प्रवर',  
केरल ज्योति विज्ञानिक, नवम्बर : तिरुवण्टा  
'वीणा' : इन्दौर, नवम्बर  
जुलाई '८३
16. Gupata M. G. (a) 'मध्यकालीन हिन्दी काव्य अन्तर्धाना और उपलब्धियाँ',  
(b) 'रामकथा के अमर उद्गाता शिव और तुलसीदास',  
(c) मानस में शिवतत्त्व  
'वीणा' इन्दौर, अप्रैल  
'मानसभारती', भोपाल, अक्तूबर, '८३  
'मानसपथ', दलिया फरवरी-मार्च '८४

17. Pathak R. D. (a) समीक्षा 'प्रेमचन्द्र' तथा अन्य साहित्यिक निबन्ध  
(a) प. सोहनलाल त्रिवेदी द्वारा 'कुणाल' में गांधीवादी दृष्टि  
(b) क्या सूरदास सख्याभक्ति के उपासक थे  
(a) सौन्दर्य  
(a) राजनीतिक विद्वन्मार्ग और महाभोज  
(b) समीक्षा : वर आये लोगों की क्या कथा : मछलीवाणी
18. Talati R. N.
19. Bafna P. R.
20. Sharma B. D.
21. Misra S. C. (i) Decline of Surat in the Early 18th Century  
(ii) Some aspects of Medieval Society and Culture  
(iii) Urban structure and change: A study of the impact of transition on Indian towns, with special reference to Gujarat
22. Chavda V. K. (i) Bharatiya Swatantrya Sangram  
(ii) "The Marwars: Foundation of the Modern capit list class".
23. Bajpai Gita Some aspects of continuity and Image change in the Baroda State Polity during the year 1960-1984
24. Hans Rajkumar Local Influence and Central Authority: A Case Study of Broach, in the 18th and 19th Centuries
25. Ahmad Ifrikhat Medieval Jatt Immigration in Punjab—A note
26. Modi B. and Nath M. K. Summary of morphology Seminar  
(i) A note on Sanskrit Kulata
27. Joshi H. M. (ii) Etymological notes on some early Bengali Words  
(iii) Compensatory Lengthening
28. Rana A. P. Nonalignment and International Change: Strategic and Socio-Economic Dimensions.
29. Pantham T. (i) Thinking with Mahatma Gandhi: Beyond Liberal Democracy.  
(ii) Libertarian Socialism as Emancipatory Political Theory
30. Shukul H. C. (i) Nonalignment as an Evolving Model of International Relations  
(ii) The Indian Ocean: Politics of Confrontation or Coexistence
31. Desai H. S. Migration and Social Mobility in a South Gujarat Village W.R.T. Dhed: A Landless Agriculturist Caste
32. Kantawala S. G. (i) संस्कृत में नाट्यशास्त्रीय अंशों की परंपरा  
(ii) वेदों, ऋक्स्य भाग-१ अने २ देखें-अरवि, अद्युवाह-शुक्तिगत संस्तर  
(iii) Prof. Kuppaswami Shastri Centenary Commemoration Volume Part-I, edited by Dr. Mrs. S. S. Janaki
- (i) *Indian Historical Review*, Vol. VI, 1983.  
(ii) JMSU, 1983.
- do—
- (i) *Vibhavana ne Philosophy Vidyapeeth*, 1984.  
(ii) Paper in the *Indian Business, Class. Ed.D.* Tripathi, New Delhi, 1984.  
JMSU, 1983.
- do—
- Proceedings Indian History Congress*, 1983.
- do—
- Bhasa Vinarsa*, 1983, September.  
(i) *Vishvesaranand Indological Journal*, 1983, April.
- Journal of Oriental Institute*, Vol. XXXIII, No. 1-2, September, December, 1983.
- The Nonaligned World*, July-September, 1983.
- (i) *Political Theory*, May, 1983.  
(ii) *Political Science Review*, October-December, 1982. (Published in September, 1983).  
(i) JMSU, Vol. XXX, No. 2, 1981 (Published in June, 1983).  
(ii) *The Indian Journal of Political Studies*, July, 1983.
- Journal of Rural Development*, Vol. XXIX, No. 2 of 1980 (Published 1983.)
- Sanskrit Department*
- (i) नाट्यशास्त्र No. 4, August, 1983, Sagar (M.P.)  
(ii) "स्वभाव्याय" पुरतः २० अंश-४
- (iii) *Journal of the Oriental Institute, Baroda*, Vol. XXXII, Nos. 1-2.

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(ii) આક્ષેપ અને અર્થોત્તરન્યાસ  
(iii) સમાસોક્તિ અને અતિશયોક્તિ  
(iv) હેતુ, સુક્ષ્મ અને લેશ  
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(ii) વિશ્વ સાહિત્યના સંદર્ભમાં કાલિદાસ  
(iii) અતિક્રાન્તા ઈરાવતી  
(iv) ભારવિકૃત કિરાતાત્રુનીયમ્  
(v) હાસ્યના પ્રકારો—ભારતીય અને પાશ્ચાલ્ય સાહિત્ય મીમાંસામાં
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(iv) પંડિતપદે પચારતિ  
(i) ગુરુનિષ્ઠા  
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'Ushanas: Sarjak and Vivechak'  
(2) 'સરસ્વતીચંદ્ર'—વિવેચનની ભૂમિકાઓનું એક વિક્ષેપણ  
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ચૌધરી, બન્યુઆરી ૧૯૮૪  
'પ્રતિધોષ' : સં. પુણેન્દ્ર જાતની, ઓક્ટોબર ૧૯૮૩  
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38. Invedi H. M. (2) 'ઓ પેલો ચાંદલિયો' : નરસિંહ  
(3) 'વિવેચનનો ઐતિહાસિક અભિગમ'  
(1) 'સાક્ષરજીવન'નો નાયક  
(2) 'નરસિંહ અને દયારામ'  
(3) નરસિંહકૃત એક રચનાનો આસ્વાદ  
(1) કલ્પના-વૈભવની અભિવ્યક્તિ  
(1) 'વિવેચનના પુનર્મૂલ્યાંકનનો ઉત્તમ નમૂનો'  
(2) 'કૃતિની રૂપરચનાથી વિદ્યતન સુધી'  
(3) 'ગુજરાતી સાહિત્યની એક દિશા કે અનકશા'  
(4) સાહિત્યનો મુલ્યંકન ?—૧  
(5) 'કિમપિ કવ્યમ્'—૧, ૨, ૩  
(6) નાટક વિશે  
(7) મધુરાજકૃત 'સરલ અને રમ્યા'
39. Dave S.
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- (1) શક્તિનું સ્વરૂપ  
(1) 'હ્રષ્ટપ્રાર્થ'ની સમીક્ષા

## 3. Published Books and Monographs

## Economics Department

1. Rede Lata A. Structure of Profit Rate: in Indian Manufacturing Industries Archana Book Emporium, Baroda, March, 1984.

## English Department

2. Birje-Patil J. "The Heart of Darkness to In a Free State" Paper in Volume "Colonial Consciousness in Commonwealth Literature"  
Ed. S. K. Desai and G. S. Amur, Somaiya, Bombay, March, 1984.
3. Devi G. N. 'The Wind and The Roots: problems of Historiography of Commonwealth Literature' The History and Historiography of Commonwealth Literature  
Ed. Dieter Riemenschneider, Gunter Narr Verlag Tubingen, August, 1983.
4. Vanikar R. V. Corridors to Communication  
Orient Longmans, 1984.

## Hindi Department

5. Bafna P. L. गीत एवं साहित्यिक निबंध  
मिनाली प्रकाशन, मेरठ

## Gujarati Department

6. Panchal S. 'નવલકથા' ચંદ્રશૈલિ પ્રકાશન, અમદાવાદ, (૧૯૮૪)

## 4. Papers presented at Professional Level Seminars, Conferences etc.

1. Hegde K. T. M. International Conference on Recent Advances in Indian Archaeology, Deccan College, Research Institute, Pune, 10-14 December, 1983  
Scientific studies in Indian Archaeology.
2. Hegde K. T. M. International Conference on Recent Advances in Indian Archaeology, Deccan College, Research Institute Pune, 10-14 December, 1983  
Early Indian Lime Plaster.
3. Chowdhary S. N. —do—  
Non-Harappan Chalcolithic Pottery from North Gujarat.
4. Sonawane, V. H. —do—  
Vagad-A rural Harappan Settlement. Chalcolithic Jamnagar.
5. Bhan K. —do—

## Economics Department

6. Kothari V. N. (i) U.G.C. Workshop on Model Syllabus for P.G. course in Economic Theory, Department of Economics, MSU, Baroda, 3-6 July, 1983  
(ii) National Commission on Teachers-II Seminar on University and Community CASE, Baroda, 16-17 January, 1984  
(i) General consideration in framing model syllabus for economic theory.
7. Hashim S. R. The Gujarat Association for Agricultural Sciences, 14th Seminar, MSU, Baroda, April 20, 1983  
Maximising returns to water—Issues and strategies in the context of the Narmada Project.
8. Dadi M. M. U.G.C. Workshop on Applied Economics, Osmania University, Hyderabad, 2-4 Feb. 1984  
Applied Economics—contents of under-graduate courses in Economics.
9. Shah M. N. (i) U.G.C. Workshop on Model Syllabus for P.G. Courses in Economic Theory, Baroda, 3-6 July, 1983  
(ii) All India Labour Economic Conferences, Lucknow, 21-24 October, 1983  
(i) Some suggestions for the M.A. Syllabus.
10. Dholakia R. H. (i) U.G.C. Workshop, MSU, Baroda, 3-6 July, 1983  
(ii) 66th Annual Conference, Indian Economic Association, Bangalore, 28-30 Dec. 1983  
(iii) Annual Meeting of the Eastern Economic Association, New York, 15-17, March, 1984  
(i) Differences in States' Expenditure on education in India.  
(ii) Some suggestions for updating the Syllabus on demand theory.  
(iii) Regional aspects of economic growth and productivity change in India.  
Regional growth differentials in India.
11. Rede L. A. U.G.C. Workshop MSU, Baroda, 3-6 July, 1983  
Some suggestions for updating syllabus on Welfare Economics.
12. Joshi P. R. —do—  
Some suggestions for updating syllabus on Pure theory of international trade.
13. Merh A. J. and Baloni B. V. —do—  
Some suggestions for updating syllabus on theory of firm.
14. Kantawala B. S. —do—  
Some suggestions for updating syllabus on international economics.

## English Department

15. Birje-Patil J. D. (i) American Criticism, U.S.I.S., Bombay, (i) Semiotics of Theatre.  
January, 1984  
(ii) All India Conference on Shakespeare, (ii) Time in Shakespeare.  
Hyderabad University, Hyderabad, February, 1984
16. Raval R. K. Impact of Buddha on World Literature, I.I.T., 'A Comparative Study of Hesse's *Siddhartha* and Buddha: A Point of View'.  
Kanpur, Kanpur, October, 1983
17. Joneja O. P. (i) Comparative Indian Literature Conference, (i) Decolonisation of English Language.  
Delhi University, January, 1984  
(ii) U.G.C. Seminar at Mysore University, (ii) Margaret Lawrence's African Short  
January, 1984. Prospero in Caliban's free State
18. Joshi D. A. (i) All India English Teachers Conference, (i) The State of Indian Drama in English.  
University of Trivendrum, December, 1983  
(ii) Comparative Indian Literature Association (ii) Bilingualism and Comparative Indian  
Conference, Delhi University, Jan., 1984 Literature.  
(iii) International Conference on Translation, (iii) Translating a Play-Test: 'A Strategy'.  
Jawaharlal Nehru University, January, 1984  
March, 1984
19. Devi G. N. (i) Comparative Indian Literature Conference, (i) Comparative Literature in Indian Context.  
Delhi University, January, 1984  
(ii) Seminar on Indian Poetics Today Dhvanyaloka, Mysore, January, 1984 (ii) Sri Aurobindo's Poetics and Contemporary  
European Association of Commonwealth Indian Poetry.  
Literature and Language Studies Conference, Barcelona, Spain, March, 1984 (iii) Romantic, Post-Romantic and Neo-Romantic Autobiography in India.

## Hindi Department

20. Gupta M. G. (i) Seminar on Research Methodology School (i) The Methodology of preparing critical  
of Languages, Gujarat University, Ahmedabad, October, 21-23, 1983 Texts.  
(ii) All India Seminar on Myth and its Literary (ii) The uses of myths in Medieval Hindi  
and Cultural aspects, by Vikram University, Poetry and Myths and Religious beliefs.  
Ujjain, November 7-13, 1983

21. Goswami A. K. Attended the U.G.C. National Seminar on the Vallabhacharya and the poets of Ashtachhapa.  
impact of Vaishnavism on Indian Arts—at the Fine Arts Faculty of M. S. University, Baroda on 29th November, 1983

## History Department

22. Mishra S. C. 10th Session of Saurashtra Itihas Parishad, Baroda, The Rajkot Satyagraha of 1938-39.  
October 22-24, 1983
23. Chavda V. K. (—do—  
Changing Famines and Migrations. A Fresh perspective on 19th century peninsular Gujarat.
24. Sharma . D. (i) (i) Position and Role of the Nobility in the Rajput States of Kathiawad during the 17th Century".  
(ii) Gujarat Itihas Parishad, Wadhwan, October 29-31, 1983 (ii) Some aspect of the Economy and Society of Palewad (Gujarat) in the 17th Century.  
(iii) Rajasthan History Congress held in (iii) Mughal-Sikh Relations and the Role of the Rajput Rulers in the Reign of Bahadurshah.  
(iv) Seminar on the State and Business held at I.I.M., Ahmedabad, February 29th to March 3rd, 1984 (iv) Comments as discussant on the article of "The State and Industry" in Mysore The Role of Visvesvarayya, by Prof. V. K. Bawa.
25. Mathew K. S. (i) National Seminar on Nationalism in Crisis, (i) Secularism and Nationalism.  
Bangalore, April 8-10, 1983  
(ii) 10th Session Saurashtra Itihas Parishad, (ii) Maritime Trade of Diu in the Sixteenth  
Baroda, October 22-24, 1983 Century—A study based on Contemporary Portuguese Sources.

- (iii) Seminar at Kolhapur University, March, 1984  
 (iv) Seminar on the State and Business at the Indian Institute of Management Ahmedabad from February 29th to March 3rd, 1984
26. Bajpai Gita  
 (i) 10th Session of Saurashtra Itihas Parishad, Baroda, October 22-24, 1983  
 (ii) Seminar on State and Business in India at the Indian Institute of Management, Ahmedabad, 29th Feb. to 3rd March, 1984

**Linguistics Department**

27. Modi B. V. Osmania University, Department of Linguistics, Hyderabad, 7-9 January, 1984 National Seminar on Morphology  
 "Morphology Phonologized."
28. Nath M. K. Calcutta, February, 1984 Seminar on Bengali  
 "Phonological features of Bengali"
29. Devi U. Delhi, Department of Linguistics, 2-4 March, 1984  
 "Negation in Children's imitation."

**Persian Department**

30. Siddiqui M. H. All India Persian Teachers Conference, Bombay, December 29-30, 1983  
 Modern Persian Drama.

**Philosophy Department**

31. Joshi H. M. 58th Session of Indian Philosophical Congress, Waltair (A.P.), January 1-4, 1984  
 Presupposition and Criterion.
32. Divetia S. H. Buddha Jayanti, Lecture 58th Session Indian Philosophy Congress, Waltair (A.P.), 1-4 January, 1984  
 Buddha Jayanti Lecture.

**Political Science Department**

33. Rana A. P. International Conference on Political Philosophy of the International Political Science Association, Baroda, March 19-22, 1984  
 "The Third World Orientations to World Order: Some Paradigmatic Puzzles".
34. Pantham T. do—  
 "Reconstructing modernity: Gandhi and Habermas".
35. Nandedkar V. G. (i) All India Political Science Association Annual Conference—42nd Conference, Hyderabad, May 15-17, 1983  
 (ii) International Conference on Political Philosophy of the International Political Science Association, Baroda, March 19-22, 1984  
 (iii) Symposium on 'Centre-State Relations—Federation of Gujarat Mills and Industries, Baroda, December 17, 1983
36. Vakil R. A. "Symposium on 'Centre-State Relations'—Federation of Gujarat Mills and Industries, Baroda, December 17, 1983  
 Planning and Centre-State Relation in India—Some Aspects' Indian Federal System-Constitutional and Political Aspects—A note".
37. Shukla H. C. International Conference on Political Philosophy at the International Political Science Association, Baroda, March 19-22, 1984  
 Some Dilemmas of the Demand for a new International Communication and Information order.

**Russian Department**

38. Dasgupta D. (i) Centre of Russian Studies JNU, New Delhi, February 21-25, 1984  
 Problems of Language Testing; Special Reference to Russian Language  
 (ii) AIATR—New Delhi, February 26, 1984  
 The village Man in Pushkin's writings.  
 (iii) Gujarati Department—MSU, March 15, 1984  
 The Mother village of S. Yesenin and his personal fate: a contradiction to Vladimir Mayakovsky.

## Sociology Department

39. Patel P. J. A Workshop on Communal Riots, Jamia Millia Islamia, New Delhi, May 7-9, 1983 "Baroda Riots".
40. Desai B. S. Paper Contributed—X Conference of Ethnographic and Folk Culture Society, Lucknow University, January 20, 1984 "Settlement Pattern of a Village Community and Forces of Change".

## Sanskrit Department

41. Kantawala S. G. (i) Summer Institute of Vedic Studies, Maharshi Academy of Vedic Sciences and Gujarat University, Ahmedabad, May 9-28, 1983 (a) Yama-Yami Dialogue.  
(b) The Vocabale ghrtasnu in Rgveda.  
(c) Sri Aurobindo and Vedic Interpretation.  
(d) The Hymns to the Jungle Goddess.  
(ii) The problem of the Hero of the Meghadoota of Kalidasa.  
(iii) Some Aspects of Vedic Visnu.
42. Rawal A. J. Weapons of Visnu: An interpretation.
43. Nanavati R. I. (i) National Seminar on Kalidasa, Ahmedabad, 9-10 July, 1983 અતિક્રાંતિ ઈરાવતી  
(ii) Akhil Bharatiya Vedic Sammelan, Indore, 19-21 September, 1983 (ii) Atharvavediyam Aprisuktam.  
(iii) Seminar on Bhasa, Sanskrit Seva Samiti and Premananda Sahitya Sabha, Baroda, October 22, 1983 (iii) Urubhangam: A Reappraisal.  
(iv) 34th Annual Convention, Gujarat State University and College Gujarati Teachers Association, Deesa, December 24-25, 1983 હાસ્યના પ્રકારો: ભારથીય અને મીમાંસામાં

44. Deshpande Uma S.

- (i) Seminar on Ramayana in Indian Languages Hindi Department, MSU, Sept. 7, 1983  
(ii) Conference of Gujarat State University and College Sanskrit Teacher's Association, Keshod, March 3-5, 1984

ભાસ્મીની રામાયણ ક્ષી સાહિત્યિક સંદર્ભ

- (ii) Historical Importance of the Rasika-vinoda.

## Gujarati Department

45. Mehta S. G. (i) Bi-Annual Narmad Lectures of South-Gujarat University, Surat, three lectures on January 2, 1984 (i) Sahitya Ane-Samay.  
(ii) 'Kavilok' Seminar at Bombay, January 19, 1984 (ii) Gujarati Gadya.  
(iii) Paper read to a National Seminar held by Samata Adhyayan Niwas, Bombay, February 26, 1984 (iii) Writer and Freedom.  
(iv) Sanskrit Seva Samiti, Ahmedabad, July 9, 1983 (iv) Kalidas.  
(v) Navajivan Arts and Commerce College, Dahod, October, 1983 (v) Comparative Literature.
46. Trivedi H. M. (i) Seminar on Narmad: Punarmulyankan by Premanand Sahitya Sabha, Baroda, November, 1983 (i) નર્મદ : આત્મકથકાર  
(ii) Seminar by Sahitya Akadami, Oct., 1983 (ii) આધુનિકતાની વિભાવના  
(iii) Navajivan Arts and Commerce College, Dohad, October, 1983 (iii) વિવેચનનો ઐતિહાસિક અભિગમ
47. Dave S. Seminar on Narmad: Punarmulyankan by Premanand Sahitya Sabha, Baroda, November, 1983 નર્મદનું વિવેચનકર્મ
48. Desai L. K. Seminar by Gujarati-Sahitya Academi on 'શ્લોક ના પ્રવાહો અને કૃતિસમીક્ષા' at Ahmedabad, February 4-5, 1984 'અંતિમ અધ્યાય' A Play by 'Darshak'.

49. Panchal S.

લઘુનવલ પર એમ. ડી. શાહ આર્ટ્સ કોલેજ, મહુધા દ્વારા આયોજિત. યુ. ઓ. સી. પ્રેરિત પરિસંવાદ

આપણે ધરીક સંઘ : દિગ્ગણ મહેતાની કૃતિ પર નિબંધવાચન

5. Talks of academic nature given at different Universities/Professional Institutions

Name of the Teacher	University	Title of the Lecture
1. Hegde K. T. M.	( i ) School of Archaeology, Archaeological Survey of India, New Delhi, August 15-19, 1983	( i ) Environmental Archaeology.
	( ii ) National Museum of Natural History, New Delhi, August 20, 1983	( ii ) Geological and Climatic History of the Great Indian Desert.
	( iii ) University of Poona, UGC Visiting fellow for 2 months in October and November, 1983	( iii ) Methods of Chemical conservation of ceramic and metallic antiquities, causes of deterioration, etc.
<b>Economics Department</b>		
2. Kothari V. N.	Sardar Patel Institute, Ahmedabad, March 31, 1984	Schumpeter: An Evaluation.
3. Shah M. N.	Nagpur University, Department of Economics, January 20 to February 6, 1984	( i ) Population and Economic growth. ( ii ) Marx's Methodology. ( iii ) Limitations of marginal productivity theory ( iv ) Models of segmented labour market. ( v ) Theory of Oligopoly.
	( i ) B. J. Commerce College, Vallabh Vidyanagar, July 28, 1983	( i ) Capital budgeting.
	( ii ) McGill University, Department of Economics, Montreal, January 11, 1984	( ii ) Regional income disparities.
	( iii ) University of Toronto Department of Economics, January 23, 1984	( iii ) International variation in Economic Growth in India.
4. Dholakia R. H.	( iv ) B. J. Commerce College Vallabh Vidyanagar, March 25, 1984	( iv ) Investment analysis.
	<b>English Department</b>	
5. Birje-Patil J.	U.S.E.F.I. sponsored Seminar on American Humour, Bangalore, May-June, 1983.	( i ) 'Humour in American Drama'. ( ii ) 'Humour in American Theatre'.

6. Seshadri C. K.	Central Institute of Indian Languages, Mysore, 28 Nov. 1983.	( iii ) 'Humour in American Poetry'. ( iv ) 'Humour in American Fiction'. 'The Role of English in Gujarati'.
	Anand Arts College, Aug., 1983.	'Function of Criticism'.
7. Shah B. N.	( i ) Seminar on Kafka, German Language, Society and Dept. of Gujarati, MSU Aug., 1983.	( i ) 'The Trial'.
		( ii ) Sri Aurobindo Society Gujarat State Convention, Baroda, Jan., 1984.

**Hindi Department**

9. Shukla D. S.	Navjivan Arts and Com. College, Dohad on Sept. 23, 1983.	नयी कविता की छद्ममि और उपलब्धिया
	( i ) Vikram Univ. Ujjain on Sept. 23-24, 1983.	( i ) भारतीय संस्कृति की अन्वेषण
10. Gupta M. G.	( ii ) Aligarh Muslim Univ. Aligarh Nov., 27, 1983.	( ii ) आदिकालीन हिन्दी साहित्यिक सांस्कृतिक आयाम
	( iii ) Gujarat Vidyapith, Ahmedabad on Dec. 10, 1983.	( iii ) 'Structural Study of Hindi Language'.
11. Chavda V. K.	( iv ) Vidarbha Rashtra Bhasa Samiti Nagpur on 2nd Feb., 1984.	( iv ) नवज्ञान आधुनिक हिन्दी कविता
	<b>History Department</b>	
12. Desai S. K.	History Dept., Saurashtra Univ., Rajkot Jan. 1-20; 1984.	European History.
	History Dept., Saurashtra Univ., Rajkot Jan. 23; Feb. 11, 1984.	Indian History.

**Philosophy Department**

13. Joshi H. M.	Tolani Foundation of Education, Adipur (Kutch) 19th August, 1983.	'Man and Nature'.
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Sanskrit Department	
14. Kantawala S. G.	( i ) All India Kashiraj Trust , Varanasi 9-10 April, 1983. ( ii ) M.T.B. College, Surat 16th Jan., 1984 National Seminar on Astrology, Ahmedabad, Feb., 3-5, 1984. Summer Institute in Vedic Studies, Ahmedabad May 9-28, 1983.
15. Rawal A. J.	
16. Nanavati R. I.	
<b>Gujarati Department</b>	
17. Mehta S. G.	( i ) I.N.T., Bombay 28 April, 1983. ( ii ) Sarhday, Bombay 11th June, 1983. ( iii ) Dashabdi Mahotsava of Rangavali, Baroda, Jan. 1984. ( iv ) University lecture at Jambusar Arts College; 24th Sept. 1983.
18. Trivedi H. M.	( i ) Gnanodaya Vidyalaya, Baroda 3rd Oct., 1983. ( ii ) Vivekanand High School, Baroda; 11 Feb., 1984. ( iii ) Arts and Commerce College, Miyagam; 16th March, 1984.
19. Dave S.	( i ) Sheth P. T. Arts and Science College, Godhara; 22 March, 1984.
20. Desai L. K.	( i ) Arts and Commerce College, Dhranga-dhra ( Saurashtra ) COHSIP Scheme; 20 Sept., 1983. ( ii ) Dept. of Gujarat and Budha Sabha, Faculty of Arts, Baroda.

21. Panchal S.	( i ) Gujarati Adhyapakno Sangh, Idar, 3 August, 1983. ( ii ) Aurobindo Society, Baroda 21 Aug., 1983. ( iii ) Gujarati Sahitya Parishad, Ahmedabad, 28 November, 1983.	
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#### 6. Participation in Professional Programme, Workshop, Summer Schools etc.

Name of the Teacher	Programme, Place and Date	Capacity in which Participated
<b>Economics Department</b>		
1. Kothari V. N.	U.G.C. Workshop on Model Syllabus Department of Economics, MSU, Baroda, 3-6 July, 1983	Director of Workshop.
2. Hashim S. R.	—do—	Rapporteur.
3. Dadi M. M.	—do—	Rapporteur.
4. Shah M. N.	—do—	Rapporteur.
5. Dholakia R. H.	( i ) Tenth Annual Meeting of the Eastern Economics Association, New York, 15-17 March, 1984	( i ) Rapporteur. ( ii ) Participant.

#### English Department

6. Birje-Patil J.	Seminar on Modern American Criticism, American Centre, Bombay, February, 1984	Chaired a Session.
7. Mehta R. N.	Seminar on Modern American Criticism, American Centre, Bombay, February, 1984	Chaired the Inaugural Session.

8. Vanikar R. V. ( i ) Workshop for teachers of English at School/College level sponsored by The American Centre, Bombay, February, 1984 Organisor and Participant.  
 ( ii ) Workshop for teachers of English Department, M.S.U., Baroda, February and March, 1984 —do—  
 ( iii ) Tech. English—Learn English Workshop for Script writers sponsored by State Institute of Education, H. M. Patel Institute, V. Vidyanagar, March, 1984 Participant.  
 Modern American Criticism American Centre, Bombay, February, 1984 Participant.  
 —do—
9. Devi G. N. —do—
10. Joshi D. V. —do—
11. Desai P. K. Hindi Navlekhan Shibir ( Workshop ) at Panjim-Goa during 26 December to 2 January, 1984 As a writer and participant.
12. Shah K. M. —do—
- Philosophy Department
13. Joshi H. M. I.C.P.R. Seminar on Perspectives in values Eastern Western ' Social and Transcendent Value, March 11-14, 1984 Participant.
- Political Science Department
14. Rana A. P. University Leadership Programme, University of Rajasthan, Jaipur, March 3-4, 1984 Faculty Member.
15. Nandedkar V. G. 'Computer Application in Social Sciences' Centre for Social Studies South Gujarat University, Surat, January, 9-28, 1984 Participant.
16. Mohite D. H. Seminar on American Foreign Policy Fletcher School of Law and Diplomacy Tuls University Mass. U.S.A., September 9 to October 8, 1983 Delegate.
17. Vakil R. A. ( i ) Study group on Political Philosophy International Political Science Association, Second Round Table Conference, Baroda, March 19-22, 1984 ( i ) Panel: discussant ' Communication and Development.'  
 ( ii ) Seminar on American Federalism American Centre USIS, Bombay, January 23-24, 1984 ( ii ) Participant.
18. Shukul H. C. N.C.E.R.T. Programme of Text Book and Examination Reforms, New Delhi, February 1-8, 1984 Committee Member.
- Sociology Department
19. Patel P. J. ( i ) Seminar on " Tribal Culture and Tribal Art " Tribal Research and Training Centre, Gujarat Vidyapith, Ahmedabad, February 11-12, 1984 ( i ) Participant.  
 ( ii ) Seminar on " Removal of Untouchability " Department of Sociology, S. P. University, Valalbh Vidyanagar, March 10-11, 1984 ( ii ) Participant.
20. Desai B. S. Workshop-cum-Seminar for reviewing Social Science Syllabus at all stages of School Education ( I to XII ). NCERT, New Delhi, January 4-7, 1984 Participant.
- Sanskrit Department
21. Kantawala S. G. ( i ) Summer Institute of Vedic Studies, Ahmedabad, May 9-28, 1983 ( i ) Speaker.  
 ( ii ) All India Kalidasa Seminar, Ahmedabad, July 9-10, 1983 ( ii ) Sessional President.
22. Rawal A. J. ( i ) Summer Institute of Vedic Studies, Ahmedabad, May 9-28, 1983 ( i ) Participant.  
 ( ii ) Seminar on Manuscriptology, L-D, Institute of Indology, Ahmedabad, May 7-15, 1983 ( ii ) Participant.

Name of the Teacher	Programme, Place and Date	Capacity in which Participated
23. Nanavati R. I.	( i ) All India Kalidasa Seminar, Ahmedabad, July, 9-10, 1983 ( ii ) Seminar on Bhasa, Baroda, October 22, 1983 ( iii ) Different Approaches to Literature, Navjivan Arts and Commerce College, Dohad 23-25, October, 1983 ( iv ) Conference, Gujarat State University and College Sanskrit Teachers Association, Keshod, March 3-5, 1984	( i ) Participant. ( ii ) Co-ordinator. ( iii ) Invitee Dismissant. ( iv ) Participant.
24. Deshpande Uma S.	Conference, Gujarat State University and College Sanskrit Teachers Association, Keshod, March 3-5, 1984	Participant.

#### Gujarati Department

25. Mehta S. G. and Panchal S.	Kafka Seminar Akhyan-Sambhasha, arranged under U.G.C. Scheme	Conducted the Workshop to Kafka Seminar.
26. Trivedi, H. M., Desai L. M., Desai N. L., Parikh P. M., Dalal B., Sudha Pandya S. and Bhagat N.		Participated in the discussions.

#### 7. Exhibition, Performances, Demonstrations etc. at State, National or International Levels

##### Archaeology Department

##### Special Exhibition

Participated in a special exhibition on Cartography organised by the Bureau of Economics and Statistics, Government of Gujarat at Sanskar Kendra, Paldi, Ahmedabad from 23 to 25 April, 1983. The theme of our presentation at the exhibition was sequential culture development in Gujarat State.

#### 8. National and International Awards and Distinctions

##### Economics Department

Dholakia R. H. Shastri Indo-Canadian Institute's Fellowship, September, 1983 to February, 1984.

##### Sanskrit Department

##### Name of the Recipient

##### Description of the Award

- Kantawala S. G. (1) Award by the All India Kashiraj Trust Varanasi, for contribution to Puranic Research Presentation of the plaque and a specially bound volume of the Purana 8th April, 1983.
- (2) Shawl by the Sanskrit Pandit Parishad ( Special ) organised by the All-Baroda Jain Svetambara Murti Pujak Sangh, Baroda, January 26-27, 1984.

#### 10. Visitors

##### Archaeology Department

Sr. No.	Name	Designation	Date/Duration of the Visit
1.	Hopper D.	University of Hull, England	26-9-1983
2.	Elliot C. M.	Programme Officer, Ford Foundation, New Delhi	7-12-1983
3.	Rapp G.	Dean of Science, University of Michigan, U.S.A.	7-12-1983
4.	Desai V.	Editor, Journal of Asiatic Society, Bombay	10-2-1984
5.	Nair K. P.	Assistant Editor, <i>Science To-day</i> , Times of India, Publication, Bombay	20-2-1984

**Economics Department**

1. Lakdawala D. T., 3rd July, 1983.  
Sardar Patel Institute of Economics and Social Research, Ahmedabad.
2. Prof. R. C. Patel 16th and 30th September, 1983.  
University of Southern California, U.S.A.
3. Patel V. M., 2-2-1984.  
Joint Director, Bureau of Economics and Statistics, Gandhinagar
4. Mathur P. N. 9th February, 1984.  
University College of South Wales; U.K.
5. Alagh Y. K. 24th February, 1984.  
Agricultural Prices Commission, New Delhi

**English Department**

1. Barnhill J. O. Brown University, U.S.A. Visiting Fulbright Professor.

**History Department**

Sr. No.	Name	Designation	Date/Duration of the Visit
1.	Minault G.	University of Texas, U.S.A.	15-7-1983
2.	Kumar R.	Director, Nehru Museum and Library, New Dehi	24-8-1983 and 25-8-1983
3.	Barken E.	State College of California, U.S.A.	7-12-1983 to 9-12-1983
4.	Cook R.	Canada	14-12-1983
5.	Bergen C.	Canada	14-12-1983
6.	Nelles H. C.	Canada	14-12-1983
7.	Singh N.	Chairman, Centre of Indian Languages, Jawaharlal Nehru University, New Delhi	28-1-1984

**Sociology Department**

1. British Team: Health Visitor, Member of the West Midlands Regional, Health Authority 27-2-1984 to 3-3-1984  
Dorrettee  
McAuslan U.  
J. P. and Others

**Sanskrit Department**

1. Kawathekar P. N. Chairman, Central Sanskrit Board, Ministry of Education and Culture, Government of India, Delhi 30-11-1983

**11. Any activity in the Faculty involving innovation in teaching/research****Sociology Department**

Research/Methodology Seminars were organized mainly based on the on-going research work of the staff members.

**12. Any programme of the Faculty for the benefit of the Community****Archaeology Department**

During the year the Department of Archaeology and Ancient History put up two exhibitions in its museum as a service to the community, specially to the students and teachers of class 11 and 12 in the higher secondary schools in Baroda and nearby towns.

**13. Any activity of academic/social significance organized in or by the Faculty not included under previous items****Archaeology Department**

During the year the Department of Archaeology and Ancient History carried out two excavations. The first excavation was undertaken at Zawar to unearth the structural remains of ancient zinc distillation furnaces.

**Sociology Department**

The Department of Sociology organized a number of Field Visits and Seminars for the members of a team of educationists, Social Workers and administrators from the U.K. who visited the M. S. University of Baroda from 26th February 1984 to 4th March 1984.

The Department held a Seminar on "The Status of Women in Society", alongwith an exhibition of charts, paintings, books and literature on women at the Home Science Auditorium on the occasion of International Women's Day on 8th March, 1984.

**English Department**

Shakespeare Society; presented two shows of the Play "Buried Child" (S. Shepard) on Dec. 9 and 10; and four short plays on 13 and 14 Dec..

'Killer's Head' by Sam Shepard 'Self Accusation' by Peter Handke 'The Lover' by Harold Pinter 'Twenty Seven Wagons Full of Cotton' by Tennessee Williams directed and produced by Prof. J. O. Barnhill, Visiting Fulbright Professor from Brown University, U.S.A.

## CHAPTER VIII

### CHAPTER VIII FACULTY OF SCIENCE

#### q. Courses of Studies :

Additional new options, groups of subjects etc. were provided in the existing courses during the year.

#### (a) Department of Bio-Chemistry :

An additional optional paper entitled Developmental Biology in relation to nutrition was introduced in the syllabus of Post-M.Sc. Diploma in Nutrition Biochemistry.

#### (b) Department of Mathematics :

An additional optional paper on ' Computer Programming ' was introduced at the M.Sc. ( Final ) ( Mathematics ) level with effect from June, 1983.

#### (c) Department of Statistics :

Advanced Design of experiments is being offered as an optional paper at M.Sc. ( Final ), ( Statistics ).

#### (d) Department of Geography :

- |         |           |         |  |
|---------|-----------|---------|--|
| M.A. I  | Theory    | ( i )   | History of Geographical Thought and Methodology.                 |
|         |           | ( ii )  | Agricultural Geography   |
|         |           | ( iii ) | Industrial Geography   |
|         | Practical | ( iv )  | Statistical Methods in Geography                                 |
| M.A. II | Theory    | ( i )   | Applied Climatology  |
|         |           | ( ii )  | Geography of Marine Affairs                                      |
|         |           | ( iii ) | Political Geography  |
|         | Practical | ( iv )  | Interpretation of Aerial Photography and Remote Sensing Imagery. |
|         |           | ( v )   | Geographical Report writing.                                     |

## 2. Published Articles/Papers :

Sr. No.	Names	Title	Name of Journal wherein published with date of Publication
<b>Bio-Chemistry :</b>			
1.	Reddy, T. S., Rajalakshmi, R. and Ramakrishnan, C. V.	Lipid composition of gray and white matter in and developing rat brain	Int. J. Develop. Neuro., Vol. 1, 65-71, 1983.
2.	Reddy, T. S. and Ramakrishnan, C. V.	Deficiency and undernutrition on the lipid composition of rat spinal cord at 21 days of age.	J. Neuro. Res. Vol. 9, p. 111-114, 1983.
3.	Shah, I. R., Uma, S., Ramakrishnan, C. V., and Hauser, G.	Effect of alcohol feeding on rat brain polyphospho-unositides	J. Neurochemistry, 1984
4.	Akolkar, P. N. and Prakash, L. J.	Nutritive value of soyidli.	J. Food. Science Technol. Vol. 20, 1, 1983.
5.	Khanna, Arat. and Reddy, T. S.	( i ) Effect of undernutrition and vitamin A deficiency on phospholipid composition of rat tissues at 21 days of age. I liver, spleen and kidney. ( ii ) Effects of undernutrition and vitamin A deficiency on Phospholipid composition of rat tissues at 21 days of age. II lung, heart and testes.	( i ) Internat. J. Vit. Nutr. Res. Vol. 53, 3, 1983. ( ii ) Int. J. Vit. Nutr. Res. Vol. 53, 9, 1983.
6.	Srivastava, S. K., Vashi, D. J. and Naik, B. I.	Control of senceense by polyamines and guidelines in young and mature barley leaves.	Phytochemistry 22. 2151-2154, 1983.
7.	Srivastav, S. K. and Rajbabu, P. Srivastva, S. K. and Rajababu, P.	( i ) Effects of amines and guanidines on peroxidase from maize scutellum. ( ii ) Effect of amines and guanidines on AT Pase from maize scutellum.	( i ) Phytochemistry 22, 2681-2685, 1983. ( ii ) Phytochemistry 22, 2675-2679, 1983.
<b>Botany :</b>			
8.	Padhya, M. A.	( i ) Medical value of Ferns.	Prof. XIth Intern., Conf. of Women Engineers and Scientists, Ed. S. Bhide, 95-99, Nov. 1983, at Bombay.
		( ii ) In vitro morphogenetic studies in Tree-Ferns.	In : Towards understanding the Biology of Petridophytes, Ed. S. C. Verma, 15-16, March, 1984.
9.	Rao, K. S. S. and Sabins, S. D.	The flora of " Kuch-Floristics and Phytochemistry try".	Bull. Bot Surv. Ind., 23 (1-4): 46-50, 1981 (Pub. in June 1983).
10.	Padhya, M. A., Daniel, M. and Sabnis, S. D.	" Chemistry and Taxonomy of genus <i>Paulownia</i> .	Ind. Bot. Repr., 2 ( 2 ) : 137-138, 1983.
11.	Bedi, S. J., Patel, M. D. and Shah, K. G.	Ecomorphological and Phytochemical Studies to trace causative agent and source of pollution.	Prof. of the Symp., on Air Pollution Control, p. 207-212, 1983, Ind. Asso.
12.	Bell, D. C. and Bedi, S. J.	Effect of Industrial Air pollution and growth Performing of <i>Lycopersion lycopersicum</i> (L.) Karsten ( Tomato ) Winter Crop.	Ibid. 1 : 185-189.
13.	Oza, G. M.	( i ) On the eve of " Varmahotsava ". ( ii ) Blackbuck ples. ( iii ) Conservation Status of the Kashmir Deer or Hangul. ( iv ) Scent to the Orient. ( v ) World Environmental Education Strategy ( WEES )—the need and its impact. ( vi ) Systematic Botany, Plant Utilization and Biosphere Conservation. ( vii ) Green planet. The story of plant life on Earth.	( i ) Indian For. 109-113-120. F.I. ( ii ) Wildlife. 25 ( 7 ) : 1-3, ( Pub. in 1983 ). ( iii ) Environ. Conservation 10 ( 1 ) : 66, f.I. ( iv ) Traffic Bull. 5 ( 3 4 ) : 47 ( with Michael Green, Lu Hoges and Tom. Milliken.) ( v ) Environ. Awareness. 5 ( 1 ) : 1-2-, 1983. ( vi ) Ibid, 5 ( 1 ) : 17-18, 1983. ( vii ) Ibid. 5 ( 1 ) : 19-20, 1983.

- (viii) Notes on some plants Endemic to Western India. An Assessment of Threatened plants of India. (viii) (Ed. S. K. Jain and R. R. Rao ), Proc. of Semi. held at Dehra Dun, 14-17 Sept. 1981, 179-181, 1983, BSI, Howrah. Jain and Rao, Ed. 1983.
14. Sabnis, S. D. and Rao, K. S. S. Observations on some rare or endangered Endemic. of South-Eastern Kutch in An Assessment of threatened Plants of India. Indian Botanical Contractor (IBC) 3 (1): 9-10 1983.
15. Bhatt, R. P. and Saryappa, M. Estimation of DNA. Its Correlation with total chromation length and Chromosome size of some selected members of Fabaceae.

## Chemistry :

16. Bhattacharya, P. K. (i) Solvent Effect of Ternary Complexes of Cu(II) containing Tertiary amines and Adenosine Triphosphate. (i) J. Chem. Soc. Dalton Trans., 9, 1901, 1983.
- (ii) Study of Cu(II) Ternary complexes Involving Tertiary amine and Histidine. (ii) Inorg. Chin. Acta., 92, 198, 1984.
- (iii) A new parameter in astatistical stabilization of Ternary complexes. (iii) J. Ind. Chem. Soc., 59, 1244, 1982.
- (iv) Study of interaction in Mixed ligand complexes and effect of substitution. (iv) J. Coord. Chem. 12, 1983
17. Trivedi, K. N. (i) A Novel coumarin ring migration in the hydrolysis of 3-Bromo-4-methyl-2, 5-dimethyl-5H-pyran (3-2-e) benzopyran. Chemistry and Industry, 827, 1938.
- (ii) Synthesis of Furano xanthenes. Ind. J. Chem. 22B, 755, 1983.
- Synthesis of Mannich bases from Cannarian derivative and screening for their biological activity. J. Ind. Chem. Soc. 60, 201, 1983.
18. Mehta, R. H. (i) Synthesis and Characterisation of some New Chelating Amphoteric Ion Exchange Resins. J. Applied Polymer Sci. 28, 983, 1983.
19. Kapadia, R. N. (ii) Studies on Some New Chelating Amphoteric Ion Exchange Resins. Chemical Behaviour of applications of weak based chelating Ion Exchange Resi. p. 34, 1984.
- (i) Traces of Copper and Cobalt in Refractory Oxides. Trace analysis And Technological Developments. Willey Eastern Ltd., P. 380, 1983.
- (ii) Determination of Lead using Polyhydroxamic acid ) Ion Exchange Resins. Chemical Behaviour of applications of weak acid and weak base and chelating Ion exchanger p. 115, 1984.
20. Devi, Surekha 'On the Absolute Summability of a Lacumary Fourier series'. Journal of the M. S. University of Baroda Vol. XXIX (1980), No. 3, 49-55.
- (i) On a new Series Transform and its Convolution'. Indian Journal of Pure and Applied Mathematics, 14 (11), (1983), 1348-1351.
- (ii) Studies on a Membrane bound protease from *Bacillus pumilus* and *E. Coli*. Ind. J. Expt. Biol. (1983) 21, 611.
21. Patel, N. V. Sensitization of *S. Typhi* towards gamma radiation by ascorbic acid. Ind. J. Expt. Biol. (1983), 21, 549.
22. Savitakumari and Singhal, J. P. Effect of phosphate concentration on carotenogenesis in *Blakeslea trispora*. Biochem International (1983), 7.
23. Modi, M. P., Wamancharya, Mehta, B. K., Shah K. and Modi, V. V. A receptor from a host plant... binds to Rhizobium melliloti strains. Experientia (1983) 39, 509.
24. Kapila S., Rao, N. N. and Modi, V. V. Degradation of Chlorob nzoates by *Aspergillus Niger*. Experientia 40, 406, (1984)
25. Dholakia, J. N. and Modi V. V. Catabolism of Benzote and salicylate by *A. Japonicus* Ind. J. Exp. Biol. (1981) 22, 220.
26. Apte, R. and Modi, V. V. Phosphate mediated changes in Phospholipid. in *Neurospora crassa*. Neurospora News letter 30, 11, 1983.
27. Shailubhai, K. Sahasrabudhe, S. R. Vora, K. A. and Modi, V. V. Phosphalated mediated biochemical changes in *Neurospora crassa*. Current Science, 52, 1070, 1983.

31. Pinge, S., Patil, S., Nair, B. G. and Chhatpar, H. S. Effect of Chloramphenicol on some cytosolic enzymes from *N. crassa*. Ind. J. Expt. Biology, **22**, 102, 1984.
32. Mehta, A. N., Patel, K. A. and Dave, P. J. Isolation of an inhibitory protein from *Lactobacillus acidophilus* Acl. Microbios **37**, 1983.
33. Shah, P. M., Darji, A. B. and Shah, N. R. (i) New Spectrum of NICL molecule. (ii) B.system of SnBr Molecule. (1) Ind. J. of Pure and Appl. Phys. Vol. 21, Oct. 1983, 617-618. (ii) Ind. J. of Pure and Appl. Physics Vol. 21, May 1983, 319. Surface Tech. **19**, (1983), 67.
34. Pandya, J. R. and Bhagia, L. J. (i) Concentration-dependent chemical dissolution of calcite in lactic acid. (ii) Mechanism of Chemical Dissolution of calcite in lactic acid. Cryst. Res, **18** (1983), 1353. Bulletin of Mat. Sc. **5**, (1983), 97.
35. Pandya, J. R., Bhagia, L. J. and Shah, A. J. Microhardness of Rhombohedral crystals, calcite and sodium nitrate. Surface Technology (1984).
36. Pandya, G. R., Vyas, D. D. and Desai, C. F. Microhardness studies on Triglycine sulfate and diglycine sulfate. Surface Technology (1984).
37. Bhatt, V. P., Shah, R. C., Desai, C. F. and Pandya, S. R. Decoration of dislocations in Bi-Sb single Cryst. Res. and Tech. **18**, (1983), K 117.
38. Bhatt, V. P. and Patel, R. M. and Desai, C. F. (i) Deformation and Microhardness studies on  $KClO_4$  single crystals. (ii) Analytical method of Evaluation angles in Brookes formula, for effective resolved shear stress on slip systems in crystals. (iii) Islocatuib etching of KC 10.4 (1) Surface Technology **18** (1983) 1173. (ii) Res. Mechanics, **9**, 1983. (iii) Surface Technology (1983) 315.

39. Rao, N. S. and Desai, H. S. (i) The HHOB approximation to the elastic scattering of electrons by H (Za). (ii) Application of HHOB approximation to e-Li elastic scattering. (iii) Angular distribution by electrons scattered inelastically by H-Atom. (iv) Elastic and inelastic scattering of electrons by lithium atoms. (v) An analytical study of higher order Born terms in the static field. J. of M.S.U., Baroda-3, 1983, 39.
40. Chandraprabha, C. N., Rao, N. S. and Desai, H. S. Modifications to HHCB approximations. J. of M.S.U., Baroda-3, 1983, 39.
41. Chhaya, V. M. and Desai, H. S. Electron scattering from alkali halide molecules. Ind. J. Phys. **57B**, (1983), 177.
42. Chandra, C. N. and Desai, H. S. Two potential formulation in HHOB. Ind. J. Phys. **57B** (1983), 190.
43. Joshipura, K. N. and Desai, H. S. Elastic scattering of electrons by hydrogen molecules. Ind. J. Phys. **57B** (1983), 161.
44. Chandra, C. N. and Desai, H. S. (i) e-H (2s) elastic scattering in the two-potential elkonal approximation. (ii) e-He elastic scattering in two potential HHOB. approximation Ind. J. Phys. **21**, (1983), 773.

## Statistics :

45. Sreehari, M. Some Characterisation of the Geometric and exponential distributions. Journal of M. S. University of Baroda, 1984.
46. Patel, H. C. A criterion for connectedness in m-associate class PBIB design. Gujarat Statistical Review, (1983), No. 2, 31-32.

## Zoology :

47. Shah, R. V., Swamy, ( i ) Hepatic and renal ascorbic acid contents during tail regeneration in the scincid lizard, *Mabuya carinata* ( Boulenger ) under cuthyroidic hypothyroidic and TA replacement conditions.  
( ii ) Involvement of CAMP in tail regeneration in the scincid lizard *Mabuya carinata* as evaluated by the changes in the activity levels of CAMP phosphodiesterase : a systemic and local analysis.
48. Salinukul, N. and Menon, G. K. Histochemical profile of steroid dehydrogenases in uropygical land of cuthyroidic and hypothyroidic pigeon.

## 3. Published Books and Monograms :

- | Sr.<br>No. | Name of the Author | Title   | Name of Publication<br>Year of Publication  |
|------------|--------------------|---|---|
| 1.         | Rajalakshmi, R.    | Improving the supply, quality and utility of carbohydrates.   | Chemistry and World Food Supplies, The New Frontiers. CHEMRAWN-I. Ed. L. W. Shemitt, Pergamon Press, 349-358, ( 1983 ). |
| 2.         | Shah, V. M.        | Laghuganak Ganataric ( In Gujarati )  | C. Jannadas and Co., Ahmedabad, July, 1983.   |
|            |                    | Botany Department completed and published "The Sardar Sarovar Project" ( Bench-mark studies ) on " Studies on Ecology and Environment " : July, 1983. |   |

## 4. Papers presented at Professional Level Seminars, Conference etc. :

- | Sr.<br>No. | Name of the Teacher                          | Theme, Organizer's name, place and Dates of the Conference/Seminar | Title of the Paper  |
|------------|--|--|---|
|            | Botany :                                     |  |   |
| 1.         | Mehta, A. R.                                 | National Symp. on Advancing Frontiers of Plant Sciences.           | Secondary Products through Tissue Cultures.   |
| 2.         | Sabnis, S. D.                                | —do—   | Some aspects of modern Taxonomy in the Indian context.  |
| 3.         | Padhya, M. A.                                | —do—   | Clonal propagation of Ferns through Tissue culture.   |
| 4.         | Bhatt, P. N. and Bhatt, D. P.                | —do—   | Protoplast culture and Somatic hybridize in <i>Colanum</i> Sps.   |
| 5.         | Bhatt, P. N. and Harrison, H. F.             | IV-International Genetics Congr., New Delhi, December, 1983.       | Response of Calli and Seedlings of Tomato to Cultivars to Metriuin.   |
| 6.         | Dr. ( Mrs ) K. A. Bhagwat                    | National Seminar in Plant Physiology, Haul Hissai, Feb., 1984.     | ( i ) A comparative study of Photosynthetic enzymes of C3 and C4 plants under Moisture Stress Condition.<br>( ii ) The effect of Lead pollution on water logged sorghum seedling.<br>( iii ) The effect of some heavy metal pollutants on the hydraulic enzymes of paddy. |
| 7.         | Desai, H. V. and Mehta, A. R.                | —do—   | Changes in polyamine levels during shoot differentiation from cultured plant tissues.   |
| 8.         | Jasrai, Y. T., Bhatt, P. N. and Mehta, A. R. | —do—   | Protein and DNA changes during Embryo development in <i>Raphanus sativus</i> .  |
| 9.         | Desai, H. V. and Sindhu, R. K.               | Natl. Seminar in Plant-Physiology, 1984, Haul Hissar, Feb., 1984.  | Arginine metabolism during development and Germination of Peanut ( <i>Arachis hypogea</i> L. ) Seeds.   |
| 10.        | Koul, S. K. and Padhya, M. A.                | —do—   | Acid phosphatase activity of intact Tree-form gametophytes.   |

Sr. Name of the Teacher

Theme, Organisor's name, Place and Dates of the Conference/Seminar

11. Bhatt, P. N., Bhatt, D. P. and Mehta, A. R. Post presentation in VII Internal. 'Biotech. Symp.', held at New Delhi, Feb., 1984.
12. Bedi, S. J. Natl. Symp. sponsored by UGC and Organized by Holkar Sci. College, Indore, May 1983.
13. Ravi Kiran Natl. Semi. on Assessment and Management of Pollution at the School of Environmental Sci., JNU, New Delhi, Feb. 1984.
14. Sisodes, G. S., Ravi Kiran and Bedi, S. J. Natl. Semi. on Assessment and Management of Pollution at the School of Environmental Sci., JNU, New Delhi, Feb. 1984.
- Chemistry :**
15. Bhattacharya, P. K. Paper presented at 3rd Annual Conference of Indian Council of Chemists held at Karnatak University, Dharwad 28-30 Oct., 1983.
16. Misra, S. N. National Symposium in Fluorine at ISRO, Trivendrum July, 1983.
17. Kapadia, R. N. Seminar on Chemical Behaviour and applications of weak acid and weak base and chelating Ion exchange BARC, Feb. 22-23, 1984.
18. Chudasama, Uma V. Indian Council of Chemists held at Dharwar, 28-30 Oct., 1983.
19. Ram, R. R. Second National Workshop on homogeneous catalysis at Dehradun, 1984.

20. Devi, Surekha

- (1) 3rd Annual Conference of Indian Council of Chemists, Dharwar, 28-30 October, 1983.
- (2) National Seminar on Assessment of Management of Pollution held at Jawaharlal Nehru Uni., New Delhi, 1-5- Feb., 1984.

**Geography :**

21. Sinha, R. N. P.

- (i) Cartographic Seminar-cum-Exhibition at Ahmedabad 23rd to 27th April, 1983,
- (ii) International Seminar on Environmental Maps and Atlases at Calcutta 13th Dec., 1983.
- (iii) All India Seminar on Industrialization and Regional Development at Patna from 6-11 March, 1984.
- Annual Conference of the Indian Institute of Geographer, at Ahmedabad from 9-11 Feb., 1984.
- Cartographic Seminar-cum-Exhibition at Ahmedabad from 23rd to 27th April, 1983. Organised by Deptt. of Bureau and Statistics, Govt. of Gujarat, from 23rd to 27th April, 1984.

22. Gupta, C. M.

Mapping for Business and Commerce.

23. Misra, B. R.

Cadastral Maps as base maps for Rural Development Survey.

**Geology :**

24. Gadekar, D. R.

Sedimentary Structures of Tertiary rocks around Tarakeshwar, Dist. Surat, Gujarat and their diagenetic significance.

Strategies to increase the Steroid production in Cell cultures of *Solanum Sps.*

Impact of Industrialization and Urbanization on the changing pattern of Vegetation in and around Baroda. (A case Study).

Effect of mine pollutants on Man and Vegetation.

Impact of Transport of effluent water on the germination and early growth performance of wheat.

Effect of substitution of lignae on the stability of the ternery complexes.

Xenodifluorides as Flooating agent and complexing behaviour of XeF6.

Bunetallic flucro s-diketerates to lantanides.

Studies on Some New Chelating Amphoterteric Ion. Exchange Resins.

Study of Ternery Cu. (II) containing tertiary amines and Adenosine in mediums.

Cstalytic activity of transition mental ions adsorbed on the surface of alumine in the decomposition of hydrogen peroxide.

- (i) Cartographic Revolution.
- (ii) Environmental Quality Appraisal and Mapping.
- (iii) Impact of Industrialization on Regional Development.
- Land-Use Survey and Mapping in Gujarat; Problems and Solution.

do

- | Sr. No.   | Name of the Teacher  | Theme, Organizer's name, Place and Dates of the Conference/Seminar  | Title of the Paper   |
|---|--|---|--|
| 25.   | Shah, A. N. and Jadhav, P. C.                                    | Geomorphological and Environmental Analysis of U.P. Himalayas, Garhwal University, Srinagar, October, 8-14, 1983.   | Drainage morphology of the Binj Rao basin with special reference to the geological control. Dist. Pauri Garhwal (U.P.) |
| 26.   | Shringarpure, D. M.  | V Indian Geophytological conference Birbal Sahni Institute of Palaeobotany-Lucknow November, 14-16, 1983.   | Geology and Creationism.   |
| 27.   | Patel, P. P. and Mesh, S. S.                                     | Seminar on 'Assessment Development and Management of Ground Water Resources' organised by the Central Ground Water Board, Government of India, New Delhi, April, 29-30, 1983. | Hydrogeological studies in Tadapada Area of Songadh Taluka in Surat District.  |
| <b>Mathematics :</b>                                |  |   |  |
| 28.   | Shah, V. M.  | 53rd Annual Conference of the National Academy of Sciences. National Institute of Oceanography Goa, October, 27-29, 1983.   | On the Order of Fourier Coefficients in a Luconary Fourier Series'.  |
| <b>Microbiology :</b>                               |  |   |  |
| 29.   | Sahastrabudhe, S. Shailubhai, K., Vora, K. A. and Modi, V. V.    | At VIIth International Biotechnology Symposium held at New Delhi from 19-25 Feb., 1984.   | (ii) Degradation of chlorinated derivatives of phenoyacetic acid and benzoic acid by <i>Axvirger</i> .                 |
| 30.   | Shailubhai, K., Sahastrabudhe, S., Notani, N. K. and Modi, V. V. | Isolation of a plasmid like DNA from hydrocarbon regarding yeast.   | do   |
| 31.   | Amin, A. R., Shah, T., Grover, P. K. and Modi, V. V.             | VIIIth International Biotechnology symposium at New Delhi Feb., 18-25th 1984.   | Microbial transformation of plant latex.   |
| 32. Dholakia, J. N., Reshamwala, P. and Modi, V. V. |  |   |  |
|   |  | VIIIth International Biotechnology Symposium held at New from 19-25 Feb., 1984.   | Regulation of Carotenogenesis by phosphatases in <i>Blakeslea trispora</i> .   |
|   |  | 33. Kapila, S., Pandya, G. A., Kelkar, V. B., Negi, S. and Modi, V.V.   | Inactivation of bacteria sewage sludge by Gamma-radiation.   |
|   |  | 34. Ram, S., Nair, B. G. and Chhatpar, H. S.  | Phosphate mediated biochemical changes in <i>N. Crassa</i> .   |
|   |  | 35. Ram, S. and Chhatpar, H. S.   | Light mediated biochemical change in <i>N. cressa</i> .  |
|   |  | 36. Wagh, A. and Nair, B. G.  | Effect of Sodium chloride on changes in carbohydrate metabolism in <i>N. Crassa</i> .                                  |
|   |  | 37. Raman, V., Assnani, M. B. and Chhatpar, H. S.   | Biochemical characterisation of <i>Aspergillus</i> sp. suspected to be causing aspergillosis.                          |
|   |  | 38. Sonavaria, M., Nair, B. G. and Chhatpar, H. S.  | Effect of phosphate and nitrogen starvation on carbohydrate metabolism in <i>N. Crassa</i> .                           |
|   |  | 39. Sonavaria, M. and Nair, B. G.   | Carbon starvation induced changes in carbohydrate metabolism in <i>N. Crassa</i> .                                     |
|   |  | 40. Shah, P. S., Mody, R. S. and Dave, P. J.  | Effect of pesticide on the production of aflatoxin by <i>Asp. parasiticus</i> .  |
|   |  | 41. Mody, R. S. and Dave, P. J.   | Ultraviolet light induced alterations in E.coli K12 membrane permeability leading to increased antibiotic resistance.  |
| <b>Statistics</b>                                   |  |   |  |
|   |  | (i) On Stable laws of index 1/n.  | (i) UGC Seminar in Probability and Statistical Inference, Poona, June, 23-25, 1983.                                    |
|   |  | (ii) Some non-traditional test procedures.  | (ii) Gujarat Statistical Association, Vallabh Vidyanagar, Dec. 3-4, 1983.  |

- (iii) Stable laws revisited.
- (iii) 13th International Conference on Stochastic processes and their Applications and Annual Conference of ISTPA, Banaras, Dec. 17-21, 1983.

Sr. No.	Name of the Teacher	University/Institution	Title of the Lecture
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#### 5. Talks of Academic nature given at different Universities/Professional Institutions.

1. Sabnis, S. D. Univ. Deptt. of Botany, Nagpur.  
Feb. 2-3-1984 ( 8-2-1984 )

(1) Desert Plants—Diversity and Adaptations

(2) Plants in Tribal Life Ethnobotany

#### Geology

2. Patel, P. P. Central Designs Organisation, Irrigation Deptt. Government of Gujarat, Gandhinagar.

Utility of the Geophysical methods in Engineering Geological Investigations.

#### Mathematics

3. Shah, V. M. ( i ) Vikram University, Ujjain.  
( ii ) Varahmihir Memorial National Seminar on 'Functional Analysis' Sept. 24-26, 1983.  
( iii ) Saurashtra University, Rajkot.

( i ) Theory of Distribution.

( ii ) The Sequential Approach.

( iii ) " Fourier Series and Distributions. Delivered Four Lectures under the Scheme of Exchange of University Teachers.

#### Microbiology

4. Modi, V. V. ( i ) Regional Research Lab. Jammu, May 30, ( i ) Biotechnology of Tomorrow. 1983.

( ii ) Sixth Annual Convention of Gujarat Bioscience Society at A'bad March 25, 1984.

—do—

( iii ) Life Science School Uni., New Delhi, March 28, 1984. Environmental problems challenge to microbiologists.

5. Dave, P. J. M. S. University, Baroda 3rd D.c. 1983 sponsored by Indian Science Congress Association. Viroids, a unique genetic material.

#### Statistics

6. Sreehari, M. Medical College, M. S. University, Baroda. Parametric and non-parametric Statistical Inference.

#### Mathematics

7. Shah, V. M. A Seminar-cum-Workshop on Mathematical Linguistics, Mathematical Language and Interaction with Mathematical Education sponsored by U.G.C., NJERT and the British Council during Jan. 15-21, 1984 Jadhavpur Uni., Calcutta. Mathematical Language and its interaction with Mathematical Education.

#### 6. Participation in Professional programme, Workshops, Summer School etc.

Sr.	Name of the Teacher	Programme, place and date	Capacity in which participated
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#### Botany

1. Oza, G. M. Department of Environment Govt. of India, Participant New Delhi, January, 1984.
2. Mehta, A. R. ( i ) National Symposium on Advancing Frontiers of Plant Sci., Jodhpur, Nov. 26-30, 1983. Chaired a Session.  
( ii ) VII Intern. Biotech. Symp. New Delhi, Chairperson for a Plenary Lecture on Plant Cell Culture. Feb. 19-25, 1984.

(iii)	—do—		
(iv)	Training Programme sponsored by Natl. Biotech. Board, DST. on "Plant and Cell Culture-Methods and Applications" Baroda, Nov. 7-21, 1983.	Co-Ordinator for Poster Session. Programme Director	
3. Sabnis, S. D.	—do—	Participant	
4. Bhatt, D. P.	—do—	Participant	
5. Pandya, M. A.	—do—	Participant	
6. Bhatt, P. N.	(i) Training Programme sponsored by Natl. Biotech. Board, DST. on "Plant and Cell Culture-Methods and Applications", Baroda, Nov. 7-21, 1983.	(i) Participant	
	(ii) NBTB Sponsored Training Programme on "Organization of Genetic materials and Gene Expression", held at Zool. Dept., Poona Uni., Poona.	(ii) Participant	
<b>Chemistry</b>			
7. Shah, Amrish	U.G.C. Winter School at University of Madras, 12-30, Dec. 1983.	Participant	
8. Ram, R. N.	National Workshop on Homogeneous catalysis at Dehradun March, 1984.	Participant	
<b>Geography</b>			
9. Gupta, C. N.	Workshop on "Handbook of Evaluation in Geography" organised by Deptt. of Measurement and Evaluation, N.C.E.R. and T. New Delhi from 19-24 March, 1984.	Participant	

**Geology**

10. Merh, S. S.	Seminar on Environmental Regeneration in Himalaya-Concepts and Strategies, Nainital, Oct. 24-26, 1983.	Participant to chair one Session.	
11. Gadekar, D. R.	Symposium on Groundwater resources of Marathwada, 18th All India Marathi Science Congress, Udgir, Dec. 24-26, 1983.	Convener	
12. Shah, A. N.	U.G.C. Workshop Srinagar (Garhwal), October, 8-14, 1983.	Participant	
13. Shringarpure, D. M.	Workshop on Blani-Krol-Tal formation in Lesser Himalaya, Wadia Institute of Himalayan Dehradun, Oct. 24-26, 1983.	Participant	
14. Patel, P. P.	(i) National Symposium on Remote Sensing in Development and Management of Water Resources. Organised by the Space Applications Centre, (ISRO), Ahmedabad.	Participant	
	(ii) Workshop on Utilisation of Geophysical Instruments and Hydrogeological Investigations. C.D.O. Iri. Deptt. of Govt. of Gujarat, Ahmedabad, October, 14, 1983.	Participant	

Sr.No. Name of the Teacher

Programme, Place and Date

Capacity in which participated

**Microbiology**

15. Shah, A. K.	International Workshop on 'Genetic Manipulation' at II CB Calcutta, Nov. Dec., 1983.	Participant	
16. Sharma, Arun (Research Student)	Workshop on 'Gene cloning and allied Techniques' at BARC, Bombay, March-April 1984.	Participant	

## Mathematics

17. Patel, N. V., Seminar on 'Teaching of Calculus' at an Annual Resource person  
Patel, G. B. and Conference of All Indian Central School Teachers  
Patwal, N. F. held at Baroda.
18. Darji, A. R. Third symposium on Lasers and its applications, Participant  
I.I.T., Kanpur.
19. Shah, P. M. —do—  
20. Shah, N. R. —do—  
21. Vidwans, S. Summer School on Mathematical Programming, Participant  
Mysore, June, 7-25, 1983.
22. Shah, V. R. Summer School on Mathematical Programming, Participant  
Mysore, June 7-25, 1983.

## 7. Exhibitions, Performances, Demonstrator etc. at State National or International levels.

Sr. No.

Programme, Place and Date

Capacity

1. Cartographic, Seminar-Cum-Exhibition at Ahmedabad from Displayed, Atleast Maps of Various Schemes; Land use  
23rd to 27th April 1983 organised by Deptt. of Bureau of Maps prepared for Narmada Project etc.  
Eco. and Stat. Govt. of Gujarat, Gandhinagar from 23rd to  
27th April, 1983.

## Administrative Staff :

- Chauhan, B. M. 1. Awarded a Consolation Prize of Rs. 100/- for Photographs exhibited at ORWO  
All India Photo Contest held at Bombay.
2. Invited as a Photographer at 9th National Sports Festival for Women, Gujarat  
State, Sports Council, Nov. 1983.

## 8. National and International Awards and Distinctions

Sr. Name of the Recipient Teacher/non-teacher Student

Description of the Award

- ( 1 ) Oza, G. M. and Mehta, A. R. Members of the Commission on Ecology (CDE) of the International Union  
for Conservation of Nature and Natural Resources (IUCN), Switzerland.
- ( 2 ) Mehta, A. R. Nominated to the Executive Council of Orchid Society of India, as  
Vice-Chancellor.
- ( 3 ) Bhattacharya, P. K. Hari Om Ashram Award for Research in Inorganic Chemistry.
- ( 4 ) Merh, S. S. Elected Fellow of the Indian Academy of Science, Bangalore.
- ( 5 ) Modi, V. V. Elected Fellow of the Indian National Science Academy. Appointed  
member of the research advisory board of RRL Lab. of CSIR, Jammu.

## 9. Faculty Publications

Sr. Name of the Journal

Name of Editor

Periodicity of Publication

- The Baroda Journal of Nutrition Prof. Rajalakshmi, R. Annual
- Statistical Summary of Medical Examination Reports of the Students of the M. S. Statistics, Faculty of Science. For the years 1979-80  
University of Baroda.

## 10. Visitors

1. Bazan, Professor  
LSU EYE Centre, New Orleans, U.S.A. 1983, 3 Weeks
2. Bhattacharya, A. K. Professor and Director  
Calcutta School of Tropical Medicine, 1983, 2 Weeks  
Chittranjan Avenue, Calcutta.

3. Chakrabarty, K.  
Deptt. of Biochemistry, Medical College,  
Milwaukee, Wisconsin, U.S.A.  
Research Associate  
1983, 1 Day
4. Deshmukh, D. R.  
Michigan State Uni., Ann Arbor, U.S.A.  
Co-Director of Research, Deptt. of  
Pediatrics C. S. Moti Children's Hospital.  
Professor  
1983, 2 Days
5. Honegger,  
Lausanne University, Lausanne, Switzerland.  
Director  
1983, 6 Weeks
6. Lemonnier, D.  
Institute of Nutrition, INSERM, Paris,  
France.  
Director  
1984, 2 Days
7. Pillai, K. R.  
Regional Research Laboratory, Jorhat,  
Assam.  
Scientist  
1983, 2 Days
10. Vellis, J. P.  
UCLA, Los Angeles, U.S.A.  
Regional Research Laboratory, Jorhat,  
Assam.  
Professor  
1983, 3 Weeks
11. Liane, B.  
Neurochemistry Labs., Pediatrics Depa-  
rtment, Beam Hospital, Bean, Switzerland.  
Research Associate  
1983, 1 Week]
12. Staba, E. J.  
( Under CSIR/NSF exchange programme )  
Chairman, Deptt. of Pharmaceuticals cell  
Biology, Uni. of Minnesota, Minneapolis,  
U.S.A.  
October, 17-19, 1983.
13. Sano, K.  
Chief Molecular Biologist,  
Central Research Labs., Ajinomoto Co.  
Ind., Kawasaki, JAPAN.  
February 28, 1984.
14. Thyagrajan, G.  
Director of RRL, Hyderabad.  
9-10 January, 1984.
15. Sobati, R. R.  
Head, Technical Services, Rellis, India,  
Limited, Bombay.  
17-18 February, 1984.
16. Rao, R.  
Head, Division of Org. Chemistry of  
N.C.L., Poona.  
27-28 February, 1984.
17. Schwartzberg, J. E.  
Deptt. of Geography University of  
Minnesota, U.S.A.  
2nd February, 1984.
18. Raza, M.  
Director, National Institute of Educa-  
tional Planning and Administration,  
New Delhi.  
Dr. C. S. Patel Lectures Series :  
(1) 3-2-84 "Urbanization in  
a Frangmented World".  
(2) 4-2-84 "Indian Literacy :  
Regional Dimension."  
(3) 3-2-84 "Research Horizons  
in Geography".  
Series of Lecture
19. Gupta, N. L.  
Prof. and Head, Deptt. of Geography,  
Sukhadia Uni., Udaipur ( Rajasthan )  
8th December, 1983.
20. Iyengar, M. R. S.  
Alembic Chemical Works, Baroda.  
9th December, 1983.
21. Hopwood, D. A.  
John Innes Institute, Norwich, U.K.  
9th December, 1983.
22. Srinivasan, V.  
Sarabhai Research Centre.  
23rd July, 1983.
23. Ghosh, T. K.  
Indian Institute of Technology,  
New Delhi.
24. Gupta, B. N.  
CDRI, Lucknow.  
4th August, 1983.
25. Gupta, M. B.  
Univ. of Mississippi, U.S.A.  
9th February, 1984.
26. Keister, D.  
Charles Kettering Institute, U.S.A.  
13th February, 1984.
27. Verma, D. P. S.  
M. G. U. University, Montreal, Canada.  
2nd December, 1983.
28. Teriani, A.  
MIT, Cambridge, U.S.A.  
8th November, 1983.

**11. Any activity in the Faculty involving innovation in teaching/research**

**( i ) Student Seminars**

The Student's Seminar Programme was made more regular. Student Seminars include the following :

- (1) Weekly Seminars for all students on topics of general interest.
  - (2) Weekly Seminars in the different research Laboratories in specialized areas for Sr. M.Sc.'s, Post M.Sc.'s and Ph.D. M.Sc.'s working in the relevant areas for their dissertation.
  - (3) Student Seminars on the dissertation work, one on the choice of the problem and the State of the art pertaining to that, another on the technique used and a final one on the results.
  - (4) Class Seminars on extended aspects of the courses taught.
- (ii) (1) The weightage for the internal assessment of the practical work throughout the year has been raised to 100%.
- (iii) Institution of studies on aggregate and dispersed brain cells cultivated.
- (iv) Initiation of comparative nutritional studies in areas with different public health problems.

Oza G. M.	Convener of Sub-Committee of Environmental Sciences, and Co-Ordinator of course on World Conservation Strategy for students and Teacher of the Faculty of Science.		
Sinha R. N. P.	3-9-83	2-45 P.M.	Behavioural Revolution is Geography.
Gupta C. M.	16-9-83	3-30- P.M.	The Choice of a Region in Regional Study.
Misra B. R.	23-12-83	3-45 P.M.	Climate and Human Response.

**12. Any activity of Academic/Social significance organised in or by the Faculty not included under previous items**

Five teachers in the Biochemistry Department conducted a Scientific demonstration in the National Workshop for higher Secondary School teachers organised at Bhavan's School, Baroda.

Department of Geology conducted a geological field training camp for Post-graduate students at Nerukot ( Dist. : Panchamahals ) October, 1983.

**The following meetings were conducted by the Department of Microbiology:**

- (1) The third annual workshop of the All India Co-ordinator Research Project on Biological Nitrogen Fixation, in September, 1983.
- (2) Satellite meeting on genetics and the future of man 8-10 Dec., 1983.
- (3) Satellite meeting on ' Biotechnology ' in Feb. 1983.

CHAPTER IX ( A )

**1. Courses of Studies**

The M.Ed. courses were revised and the revised courses were adopted in the year.

Department of Psychology :

1. B.A. ( Psychology )
2. M.A. ( Psychology )
3. Ph.D. ( Psychology )
4. Diploma in Organizational Behaviour
5. Diploma in Clinical and Community Psychology.

Sr. No.	Name	Title	Department of Education :	Name of the Journal and Date of Publication
1.	Sudame G. R. and Thyagarajan A. P.	Social Distance among Scheduled Caste Students—A Case Study		<i>The Indian Journal of Social Work</i> , Vol. XLV, No. 1, April, 1983.
2.	Menon M. B., Bhatt V. D. and Kumar D.	Instructional Skills—A New Perspective		<i>Teacher Education</i> , Vol. XVIII, No. 22-23, April, 1983.
3.	Shah M. N. and Salunke R.	A Study of the Socioeconomic Status of the 1st Year College Students of M. S. University of Baroda in Relation to their Academic Achievement		<i>Experiments in Education—Madras</i> , Vol. 11, No. 3, May, 1983.
4.	Shah M. M.	Impact of Modern Education on the Status of Women		'Nirman' Rastra Sevika Samithi, Ahmedabad, October, 1983.
5.	Dekhtawala P. B.	How to improve Staff Morale		<i>Asian Journal of Psychology and Education</i> , Vol. 2, No. 3, April, 1983.
6.	Christian J. A.	( i ) Dimensions of Class-room Management ( ii.) Life in Class-rooms ( iii ) The Affective Domain of Class-room Life ( iv ) 'Hobby', ( v ) Study Habits as a Function of Need Achievement ( n-Ach. )		( i ) <i>The Educational Review</i> , July, 1983. ( ii ) <i>Madhyamik Sikashan Prakashan</i> , Gujarat State Education Board, Gandhinagar, Sept.-Dec., 1983. ( iii ) <i>Nutan Sikashan</i> , Oct.-Nov., 1983. ( iv ) <i>Pratyan—Gujarat State Textbook board</i> Ahmedabad, Dec., 1983. ( v ) <i>Asian Journal of Education and Psychology</i> , Agra, Dec., 1983.
7.	Panchal B. R.	Evaluation of the Project on Improvement of School Results of Std. X ( S.S.C. )		<i>Journal of Madhyamik Sikashan</i> , Gandhinagar, April-May, 1983.
8.	Mehta S. J.	Instructional Technology for Language Teaching		JMSU ( Social Science ), Vol. XXX, No. 2.
9.	Darji D. R. and Sharma D. K.	Instructional Technology for Language Teaching		JMSU ( Social Science Issue ), Vol. XXX, No. 2.

10. Yadav M. S. ( i ) 'Integrating Education with Development in the Community: Role of University Teachers' ( i ) *New Frontiers in Education*, Vol. XIV, No. 2, April-June, 1984 pp. 43-51.  
( ii ) 'Modernisation of Mathematics Instruction at Secondary School: A Developmental Project' ( ii ) *Indian Educational Review*, January, 1984.

#### Department of Psychology :

11. Gön M. ( i ) A Comparative Study of Purpose in Life in Psycho-Pathological and Normal Groups ( i ) *Indian Journal of Clinical Psychology*, Vol. 10, 211-218, Sept., 1983.  
( ii ) Locus of Control in Orthopaedically Handicapped and Non-handicapped Persons ( ii ) *Journal of Psychological Research*, Vol. 21, No. 2, May, 1983.  
( iii ) Sex Difference in Thing-Person Orientation ( iii ) *Indian Journal of Psychology*, Vol. 57, 35-54, March, 1984.  
( iv ) Effects of Thing-Person Orientation and Sex-Difference on Feelings of Alienation ( iv ) *Indian Psychologist*, Vol. 2, No. 1, 1983.  
12. Quraishi Z. M. Achievement Motivation of College Students and Its Relation to Socio-Economic Factors ( i ) *Journal of Education and Psychology*, April-July, 1983, Vol. 41, No. 12.  
13. Daftuar C. N. ( i ) Control in an Utilization Organization ( i ) *Indian Journal of Public Administration*, 1983, 1-11-18.  
( ii ) Hindi Adaptation of 'Choice Dilemma Questionnaire', ( ii ) *Indian Journal of Applied Psychology*, 1983, 20 ( 1 ), 40-42.  
( iii ) Do Foreign Management Theories Apply to Indian Systems ? ( iii ) *Bulletin of the Indian Pharmaceutical Association*, 1983, 1.3, 1.3.

#### 3. Published Books/Monographs

Sr. No.	Name of the Author	Title	Name of the Publisher and year of Publication
1.	Menon M. B.	Institutionalization of an Innovation—An Experience in Teacher Education	CASE, M.S.U., Baroda, 1983.
2.	Christijan J. A.	Classroom Group Dynamics ( Concept and its implications )	Anu Book, Shivaji Road, Meerut ( Up. ), February, 1984.

3. Panchal B. R., Desai D. B. and Others  
Recent Trends in Education for Principals of Baroda, PMS, Surat, Balsar and Kheda Districts  
Extension Services Centre, Faculty of Education and Psychology, Baroda, May, 1983.
4. Panchal B. R., Desai D. B., Gajjar J. J. and Shelat N. A.  
Population Education for Teachers of Std. VIII in Science and Social Studies  
Extension Services, Faculty of Education and Psychology, August, 1983.
5. Panchal B. R., Desai D. B. and Others  
(i) School Renewal for Principals and Teachers of Balsar, Surat, Mehsana and Banaskantha Districts  
(ii) Principal Leadership Behaviour for Principals of Gujarat State  
(iii) Principals' Leadership Behaviour and School Renewals for Principals and Supervisors of the Districts of Ahmedabad and Gandhinagar  
Extension Services Centre, Faculty of Education and Psychology, September, 1983.
6. Panchal B. R. and Others  
(i) Setting Better Question Papers for Principals and Teachers  
(ii) Reference Book of Physical Education for Std. VIII for Teachers  
(iii) Reference Book of Physical Education for Std. IX for Teachers  
Extension Services Centre, Faculty of Education and Psychology, Oct., 1983.
7. Joshi S. M. and Kumar S.  
Effect of Skill-based Approach and Decision Making Ability on the Development of Teaching Competence  
Report published by M.S.U., Baroda, 1984.

## 4. Papers presented at Professional Seminar/Conferences etc.

Sr. No.	Name	Theme, Organizer's Name, Place and Date of Conference/Seminar	Title of the Paper
<i>Department of Education :</i>			
1.	Sudame G. R., Yadav M. S., Roy S. and Lakshmi T. K. S.	National Seminar on University and Community sponsored by National Commission II—Government of India Organised at CASE, Baroda, January 16-17, 1984	Integrating Education with Development in the Community, Role of University Teacher.
2.	Sudame G. R. and Yadav M. S.	NCERT Workshop on Development of Procedures for Organising Personal Contact Programme in Correspondence Education at Madurai Kamraj University, Madurai, March 27-31, 1984	Evaluation of Personal Contact Programme.
3.	Menon M. B.	(i) Science Teaching—Annual Conference of Science Teachers, AAST, Baroda, Dec. 28-29, 1983 (ii) National Seminar on Research on Instructional Process—Methodological Issues, CASE, Baroda, 22-24 March, 1984 (iii) National Seminar on Research on Instructional Process—I Methodological Issues—CASE, Baroda, 22-24 March, 1984	(i) Science Teacher Training—A Model. (ii) Significance and Designing of Developmental Research. (iii) CASE Study Method in Research on Instruction.
4.	Shah M. M.	NCERT Workshop on 'Training-cum-Research Project in Micro-teaching at the Elementary Teacher Education Level, 21 August, 1983	Skill of Recitation.
5.	Dekhtawala P. B.	(i) Seminar of Principals, Leadership Behaviour and School Renewal, Gujarat State Acharya Sangh, Baroda, December, 22-23, 1983 (ii) Seminar on Effective Leadership of the H.Ms., H.S. Teacher Association, Baroda January 28-30, 1984 (iii) Educational Seminar by Panchmahal Secondary School Principals Association at District Level, February 10-11, 1984	(i) (a) How to improve Staff Morale. (b) How to evaluate the School. (ii) 1. School Evaluation. 2. Staff Meeting. 3. Staff Morale. (iii) Effective Communication Behaviour of the H. M.

6. Joshi S. D. Indo-Soviet Educational and Cultural Council, New Delhi, 25th and 26th February, 1984  
Reorganisation and Reorientation of Education and Development W.S.R. to Rural Community.
7. Christian J. A. (i) National Seminar on Teacher Effectiveness by Dr. Kulshrestha and I SPT Dr. Rahinwal, Dehradun, 11-13 May, 1983  
(ii) National Conference on Community Organization and Development for Women Dr. Abraham Usha Mulinzli, B'lore ECC. 1-31, July, 1983  
(i) 1. The Effectiveness of Locus of Control on Students, performance.  
2. A Study of Fear and Success to Feed Feel in relation to Teacher trainees, performance.  
(ii) Psychology of Indian Females.
8. Panchal B. R. State Level Workshop on Setting Better Question-papers for Principals and Teachers Organised by Gujarat Secondary Education Board, Gandhinagar at Vakal Vidyalaya, Bajwa, Sept. 6-10, 1983  
Setting Better Question Paper.
9. Joshi S. M. State Level Seminar on Principal Leadership Behaviour and Renewal in Schools Organised by H. M.'s Association of Gujarat State and Department of Extension Services, Dec. 22-23, 1983, Faculty of Edu. and Psy., MSU, Baroda  
1. Communication Skills.  
2. Evaluation in Schools and Renewal.
10. Joshi S. M., Ekbote E. R. and Kumar S. (i) National Seminar on Research on Instruction, 22-24 March, 1984, CASE, Baroda  
(ii) Principal's Leadership Behaviour in Renewal in Schools Organised by Higher Secondary Board for Districts of Ahmedabad and Gandhinagar at Prakash High School, Bareja, Gujarat  
(i) Some Methodological Issues on Experimentation on Instruction.  
(ii) Transactional Analysis.
11. Mehta S. J. CIIL, Manasgangotri, Mysore  
(iii) Orientation Programme for In-service Teachers of M. S. on Methodology of Teaching and Evaluation, CASE, Baroda, 13 February, 1984  
(iii) Discussion Method at Higher Education Level.  
Construction and Standardisation of Reading Comprehension Test in English Class VII based on Cloze Procedures.
12. Darji D. R. and Sharma D. K. (i) All India Educational Convention, Dr. Zakir Hussain Institute of Non-formal and Continuing Education, 28-29 Dec., 1983  
(ii) At 23rd All India Education Conference Organised by IATE at Faizabad, 4-7 January, 1984  
(iii) —do— March 4-7, 1984  
(i) Managing Education System Efficiently.  
(ii) Management of Teacher Education Systems of the Future.  
(iii) School Adoption Programme in the Faculty of Edu. and Psy.
13. Roy S. Focal Theme: Quality 'Science in India—Ends and Means.' Indian Science Congress Association, Seventy-First Session, Ranchi, January 3-8, 1984  
'On Motivation and Development of Creativity in the Instructional Setting.'
14. Roy S. and Lakshmi T. K. S. 'Research on Instruction.' National Seminar Organised by CASE, Baroda, March 22-24, 1984  
Experimentation on Instruction: Methodological Issues.
15. Yadav M. S., Roy S., Sudame G. R. and Lakshmi T. K. S. 'University and Community', National Seminar sponsored by National Commission on Teachers II, held at CASE, Faculty of Edu. and Psy., Baroda-2, January 16-17, 1984  
Integrating Education with Development in the Community: Role of University Teachers.
16. Roy S. and Mehta S. J. Construction and Standardization of Tests in Indian Languages.  
Construction and Standardisation of Reading Comprehension Test in English (Based on Cloze Procedure) For Std. VII

## Department of Psychology :

17. Gon M. (i) 14th Annual Conference of the Indian Association of Clinical Psychology, Mysore University, Mysore, Dec. 1983.  
(ii) —do—  
(iii) National Seminar on Stress, Anxiety and Mental Health, University of Allahabad, Dec. 1983.
18. Pathak N. S. Indian Science Congress, Ranchi, January, 1984. Organizational individual Need Congruence and Organizational Effectiveness.
19. Daftuar C. N. Indian Science Congress, Ranchi, Jan., 1984. Control Distribution in Public and Private Indian Hospitals.
20. Parlikar R. K. Indian Science Congress, Ranchi, January, 1984. Supervisory Effectiveness, Morale and Productivity.
21. Bhatt I. D. —do—  
A Comparative Study of the Feelings of insecurity and degree of Purpose-in-Life among the Aurally Handicapped and Non-Handicapped Males and Females.
22. Pandit K. M. Indian Academy of Applied Psychology 25-27 March, 1984. A Study of Reactions of the Gifted Children to Experimentally Induced Frustration.
23. Xavier M. Indian Science Congress, Ranchi, 1984. Brand Preference in Relation to Self Esteem and Rigidity in Personal Attitudes.

## 5. Talks of Academic Nature given at Different Universities/Professional Institutions

Sr.No.	Name of the Teacher	University/Institutions and Date	Title of the Lecture
Department of Education :			
1.	Shah M. M.	(i) College of Education, Sidharavali (Haryana State) 13-8-1983. (ii) Rastriya Sevika Samiti, Baroda, 5-7-1983. (iii) Sarkari Buniyadi Primary Adhyapan Mandir, Palanpur 28-2-1984 (iv) 'Diagnostic Test-Concept and Uses', (v) UGC Sponsored Workshop on Examination Reform 8-3-1984. Anand College of Education, Anand.	(i) How shall I be effective in teaching? (ii) Mata Jijabai. (iii) Skill-based Approach. (iv) Diagnostic Test-Concept and Uses.
2.	Dekhtawala P. B.	(i) P.T.C. College Teachers, Baroda, Nov., 23, 1983. (ii) P.T.C. College of Teachers, Baroda, Nov. 24, 1983. (iii) Citizen Council, Baroda 12-12-1983 (iv) P.T.C. College, Rajpipla, 23-3-1984 (v) S.M.R. Vidyalaya, Rajpipla 28-3-1984.	(i) Supervision Practices. (ii) Methods of Teaching. (iii) General Methods of Teaching. (iv) How to become an effective teacher? (v) Achievement of Goals.
3.	Christian J. A.	(i) Primary Training College For Women, Chhotaudaipur, 17-12-1983 (ii) Primary Training College for Men at Baroda, 4-2-1984 (iii) Web Memorial High School for Girls. 17-2-1984.	(i) How to be effective as individuals? (ii) The aims and Values in Life. (iii) Work and Ideals.

4. Panchal B. R. (i) P.T.C. College for Women, Chhotaudaipur (Baroda Dist.) (i) How to become effective Classroom Teacher?  
 (ii) P.T.C. College for Women, Godhara (PMS Dist.) (ii) Educational Evaluation.  
 (iii) M. R. Vidyalaya, Rajpipla (Dt. Broach). (iii) Study Circle.  
 (iv) T. V. Sarvajani H. S. Thuvavi (Baroda Dist.) (iv) Assignment Approach of Teaching and Use of Self Study Work books of Std. IX.  
 (v) Sardar Vidyalaya, Baroda. (v) Setting Good Question Papers.  
 Department of Education, Meerut University, Meerut, 5-4-1983. Organisational Health in Educational Systems.  
 5. Darji D. R. (i) Extension Department, Faculty of Edu. & Psy., Baroda. (i) Utilisation of Radio Lessons.  
 (ii) Utkarsh Vidyalaya, Baroda. (ii) New Trends in Language Teaching.

## Department of Psychology :

7. Gon. M. Faculty of Social Work, February, 1984 Interviewing for Rehabilitation.  
 8. Pathak N. S. (i) Gujarat State Fertilizer Company, Baroda. (i) Creativity in Management.  
 (ii) S.E.O. Training Centre, Samiala August, 1983. (ii) Methods for Effective Learning.  
 (iii) Alembic Glass, Baroda Nov. 1983. (iii) Effective Communication under the Worker Education Scheme.  
 9. Daftuar C. N. (i) Railway Staff College (i) Motivation and Leadership.  
 (ii) Jyoti Ltd., Baroda (ii) Motivation.  
 (iii) Railway Staff College, Baroda (iii) Workers, Psychology.

10. Parlikar R. K.

- (i) Federation of Gujarat Mills and Industries, Baroda (i) Supervision and Productivity.  
 (ii) Railway Staff College, Baroda (ii) Performance Appraisal and the Indian Cultural Scene.  
 (iii) Police Training School, Baroda (iii) Psychology and Crime.  
 (iv) Railway Staff College, Baroda (iv) Work Motivation.

11. Bhatt I. D.

- (i) Federation of Gujarat Mills and Industries, Baroda (i) Human Relations for Supervisor.  
 (ii) Faculty of Social Work (ii) Psychological Testing.  
 (iii) Centre for Continuing Adult Education and Community Services, M. S. University, Baroda (iii) (1) Consumer Behaviour.  
 (2) Advertising Management.

12. Xavier M.

- (i) Railway Staff College, December, 1983 (i) Process of Learning Among Adults.  
 (ii) Management Association, January, 1984 (ii) Role of Supervisor.

## 6. Participation in Professional Programme, Workshops Summer Schools etc.

Sr.No. Name of the Teacher

Programme, Place and Date

Capacity in which participated

Department of Education :

9. Shah M. M. (i) Workshop on Evaluation of the Book 'Core Teaching Skills'; NCERT, New Delhi, August 9-12, 1983 (i) Resource Person.  
 (ii) Workshop on Training cum Research Project in Micro-teaching at the Elementary Teacher Education Level, NCERT, New Delhi, August 16-21, 1983 (ii) Resource Person.  
 (iii) Workshop on Setting Better Question Papers in Science for Secondary/Higher Secondary Teachers, Vasad, October 4-5, 1983 (iii) Resource Person.

- (iv) Symposium on 'Women's Place in Textbook' organised by State Textbook Board at Surat, May 28, 1983 (iv) Resource Person.
2. Dekhtawala P. B. (i) Seminar on The Status of Women in the School Text-books, Swami Vidyandiji Vidyalyaya, Geeta Mandir, April 27, 1983 (i) Participant.
- (ii) Workshop on Setting Better Question Paper in Gujarati for Primary Secondary School Teachers, Vasad, October 4-5, 1983 (ii) Resource Person.
- (iii) Educational Fair for Higher Secondary Schools of S. K. District, Modasa, Demonstration on 'Communication Behaviour', October 27, 1983 (iii) Resource Person.
- (iv) Workshop on 'How to Integrate, Social, Cultural Economic' values in the Textbook of Secondary Schools? (iv) Participant.
- (v) Educational Seminar Association of H.M.s., Gujarat State, District Sabarkantha, Idar, February 2, 1984 (v) Participant.
3. Joshi S. D. Inservice Programme in M.S.U., Baroda, February 1-13, 1984, Talk on 'Tutorial', A Self Help Programme in Education' Resource Person.
4. Patel S. L. Developing Good items for question Bank in Teacher Education Paper I, Mysore Participant.
5. Menon M. B. Summer School/Correspondence Course, RCH, Mysore Guest Educator.
6. Mehta S. J. Workshop on Script Writing' H. M. Patel Institute of English, March 24-25, 1984 Resource Person.
7. Christian J. A. (i) Symposium on 'Women's Place in Textbook organised by Textbook Board at Baroda and Surat, April 4 and May 29, 1983 (i) Participant.
- (ii) A Workshop on Community Organisation and Development Programme organised by Ecumenical Christian Centre, Bangalore, July 1-31, 1983 (ii) Participant.
- (iii) A Workshop and Discussion for Panel Inspection, Organised by State Institute of Education, Ahmedabad at Vidyanager, September 26 and 27, 1983
- (iv) A Symposium—Discussion on 'Emotional National and Social Integration reflected in Textbooks Organised by State Textbook Board, Ahmedabad at Baroda, November 13, 1983 (Alembic Vidyalyaya) (iv) Resource Person.
8. Panchal B. R. State Level Workshop on 'Setting Better Question Papers' for Principals and Teachers Organised by Gujarat Secondary Education Board, Gandhinagar at Vakal Vidyalyaya, Bajwa, September 6-10, 1983 Resource Person.
9. Sudame G. R. (i) International Seminar on 'Global Horizons of Education' Organised by Gujarat Vidyapeeth, Ahmedabad, October 2-5, 1983 (i) Participant.
- (ii) Third Annual Conference of Comparative Education Society, Jamia-Millia Islamia, New Delhi, January 2-4, 1984 (ii) Participant.
- (iii) National Seminar on 'Researches on Instruction, Organised at CASE, Baroda, March 22-24, 1984 (iii) Participant.
10. Yadav M. S. (i) Personal Contact Programme in Correspondence Education' Sponsored by NCERT at Delhi and Organised at the M. K. University, Madurai, March 27-31, 1984 (i) Participant.
- (ii) National Seminar on 'University and Community' Sponsored by CASE, January 16-17, 1984 (ii) Convener.
- (iii) National Seminar on 'Research on Instruction—Methodological Issues', CASE, Baroda, March 22-24, 1984 (iii) Convener.

### 7. Exhibitions, Performances, Demonstrations at State, National or International Level

1. Christian J. A. (i) Presented a paper on 'A Psychic Group Process in Classrooms in Gujarat State Research Competition for Teacher Educators, organised by Teacher Education Board, S.I.E. on 20-3-1984. Received First Prize of Rs. 250/-.
- (ii) Selected on National Board to Work for Galelean International Films and Television Services of India at Bombay since January 1984 (GISTS).

### 8. Any Activity of the Faculty Involving Innovation in Teaching/Research

#### 1. Department of Education :

1. Mehta S. J. (1) Construction and Standardisation of a Battery of Tests for Reading Comprehension in English for Class VII.
- (2) Radio Programme for English Language Teaching.
2. Joshi S. M. A 503 : Educational Psychology at B.Ed. Tried out different Techniques of Teaching during 1983-84 with the team members. Techniques tried were Lecture, Discussion, Team Teaching.
3. Dekhtawala P. B. Course No. A 504 : School Organisation and Management-Role Play/Discussion Technique was followed to teach 'Human Relations in School Administration' and Unit on 'Types of Records' was taught by meant of presentation by students followed by discussion and evaluated only through objective questions.

### 9. Any Programme of the Faculty for the Benefit of the Community

1. Christian J. A.
  - (1) Initiated to start GISTS, Baroda Branch, 1983-84.
  - (2) Organised a Private Review Film Show on 'JONI', April, 1984.
  - (3) Working for a 'Hunger Project' Communication Centre, Bombay Area, Bombay.
- (2) Extension Services :
  - (A) Programme for Development of Primary Teacher Education.
  - (B) Programme for School Renewal with respect to :
    - (B 1) Principals
    - (B 2) Teachers
    - (B 3) Pupils
  - (C) Programmes for Development of Primary School Teachers and Principals.

## CHAPTER IX ( B )

### 1. Courses of Study

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

### 2. Experiments and Activities

Rs. 2,501/- were sent for Saurashtra Relief Fund and the pupils of Primary Section presented two dramas 'Ek-hati Roopa' and 'Ek-hati Sona'.

### 3. Examination Results

1. 84.6% Students passed the Higher Secondary Exam. of April, 1983 in the Science Stream.
2. 81% Students passed the New S.S.C. Examination of March, 1983.
3. 69% Students passed the Higher Secondary Examination of April, 1983, in the Common Stream.
4. 95% Students passed the General Knowledge test held by U.S.O.
5. 100% Students passed the Primary Scholarship Examination.

### 4. Award and Prizes

1. The drama 'Ek-hati-Roopa' presented by the pupils of Stds. VII and VIII in Drama Competition for children won the shield and several prizes.
2. Chi. Prachi Vaidya who played the role of Roopa of Std. VII won the first prize and a shield.
3. Chi. Pinku Patel who played the role of Rani won a shield.
4. Chi. Viral Dave who played the role of monkey won a prize of Rs. 51/-.

### 5. Awards in Sports

1. Chi. Maitreyi Kulkarni of Std. IX was selected as Captain for the Kho-Kho team, Sayaji Gunj Zone for the winter sharad festival.
2. Chi. Maitreyi Kulkarni of Std. IX was selected to play in Kabaddi and Kho-Kho at Gandhinagar in school sports Competition.

3. Chi. Nurmohmed Campwala of Std. VII stood first in All Gujarat Judo Championship.
4. Chi. Ashish Salat of Std. VII stood first in Table Tennis Tournament held at the College of Music, Dance and Dramatics.

6. Awards in Debater and Essay

1. Chi. Shruti D. Joshi of Std. X won the second prize in the Essay Competition organised by Jivdaya Mahdali, Bombay.
2. Chi. Lopa D. Shah won a prize in the Essay Competition organised by Sharm Mandir Trust Rakta Pitt Salahkar Samiti on Leprosy.

The following pupils got certificates :

- (1) Chi, Hiren Majmudar Std. X, (2) Chi. Rajendra A. Patel Std. X,
- (3) Chi Shita Bhatt Std. X, (4) Chi Jaymesh C. Shah Std. IX,
- (5) Chi. Dharmesh K. Std IX.
3. Chi. Arif Malek, Yogesh and Kirti of XI Common won a shield in Godbole Shield Elocution Competition.
4. Chi. Hiren Joshi, Chi. Shruti Bhatt and Chi. Purnima Soni won prizes in the essay competition organised by the Premanand Sahitya Sabha.
5. Chi. Hiren Joshi won the second prize in the Essay competition by Vyomvihar.
6. Chi. Kirti Mehta of Std. XI won the second prize of Rs. 101/- in the Elocution competition held by Gujarat Fertilizer School.
7. Chi. Sangita Patel won the second prize in the elocution competition organised by Andhajan Society.

7. Visitors

Name	Subject of the talk
1. Laxman	Tribal customs and way of living.
2. Bhatt K. B.	'Dandi-Kuch' and 'Vandarsena'.
3. Trevdi V.	Modern Poetry.
4. Shastri G.	Form of short story.
5. Abuwalas S.	Kinds of Ghazal.
6. Patel V.	Personal and General Health.
7. Mehta U.	Demonstration of Puppetshow.
8. Vyas N.	Rectial of Duhas of Saurashtra.

CHAPTER X

1. Published Articles/Papers

Name/s	Title	Name of the Journal wherein published with date of publication
<i>Department of Business Economics :</i>		
1. Shah K. R. and Srikantiah S.	"Educational earnings and Income Distribution : some Evidences"	<i>The Indian Journal of Labour Economics</i> , January, 1984.
2. Shah K. R.	( i ) "Distribution of Education Among Income Groups"	( i ) <i>Economic and Political Weekly</i> , Vol. XVIII, No. 40, Oct. 1, 1983.
	( ii ) "Economics of Adult Education"	( ii ) <i>Indian Journal of Adult Education</i> , Vol. 44, No. 12, Dec., 1983.

*Department of Co-operation :*

3. Rathod C. S.	"Co-operative Sprit"	Published by the Khedbrahma Co-operative Spinning and Pressing Society at the time of the Silver Jubilee Celebration.
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*Department of Commerce Including Business Administration :*

4. Beri G. C.	( i ) Management of Research and Development	( i ) <i>Productivity</i> , Vol. XXIV, No. 2, July-Sept., 1983.
	( ii ) Research and Development in India	( ii ) <i>JMSU College, Centenary Number</i> , Vol. XXX, (1981), No. 2, (Dec., 1983).

Name/s	Title	Name of the Journal wherein published with date of publication
<i>Department of Banking and Business Finance :</i>		
5. Sharma M. D.	Banking Policy for 1980	JMSU, Vol. XXX, No. 2.

## 2. Papers presented at Professional Level Seminars, Conference etc.

Name of the Teacher	Theme, Organisor's Name, Place and Dates of the Conference/Seminar	Title of the Paper
<i>Department of Business Economics :</i>		
1. Shah K. R.	All India Labour Economics Conference ( Silver Jubilee Year ), Oct., 1983, Lucknow, Oct., 21-24, 1983 )	" Educational, Earnings and Income Distribution —some Evidences "

### *Department of Co-operation :*

2. Rathod C. S.	( i ) Anand Arts College, Anand, in collaboration with, the Khadi and Village Industries Commission, Jan., 1984	( i ) " Role of Industrial Co-operatives in the integrated Rural Development Programme "
	( ii ) Vaikunth Mehta National Institute of Co-operative Management, Pune, Nov., 1983	( ii ) " Co-operative legislation as An Instrument of Management. "
	( iii ) The Fourth National Convention, organised by the ISSC, Dec., 1983 at Madras	( iii ) " Management of Co-operative Enterprises. "
	( iv ) Anand Arts College, Anand, Oct., 1983	( iv ) " Co-operative Management. "

## 3. Talks of Academic Nature given at Different Universities/Professional Institutions

Name of the Teacher	University/Institution	Title of the Lecture
<i>Department of Business Economics :</i>		
1. Shah K. R.	( i ) Sardar Patel Institute of Economic and Social Research, Ahmedabad	( i ) " Expansion of Educational Facilities ", Jan., 18, 1984.

Name of the Teacher	University/Institution	Title of the Lecture
( ii )	Gujarat Vidyapeeth, Ahmedabad	( ii ) " Evaluation of Adult Education Programme in Gujarat " — An Economist's viewpoint, March 19, 1984.

### *Department of Co-operation :*

2. Rathod C. S.	( i ) Udaybhansinhji Co-operative Training College, Gandhinagar	( i ) " Urban Co-operative Banks. "
	( ii ) CAIB Examination organised by the Bank of Baroda	( ii ) " Rural Economics. "

### *Department of Commerce Including Business Administration :*

3. Beri G. C.	Post-graduate Department of Commerce, Saurashtra University, Rajkot	( i ) Research and Development in Indian Industry.
		( ii ) Methods of Forecasting.

### *Department of Banking and Business Finance :*

4. Sharma M. D.	Sukhadia University, Udaipur ( Raj. )	5 Lectures on ' Banks and the Working Capital Management in Industries '.
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## 4. Participation in Professional Programme, Work-Shops, Summer School etc.

Name of the Teacher	Programme, Place and Date	Capacity in which participated
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### *Department of Co-operation :*

1. Rathod C. S.	( i ) Humanities and Social Science Improvement Programme, of the Anand Arts College, Anand, ' Workshop on Co-operation '.	( i ) Expert.
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Name of the Teacher      Programme, Place and Date      Capacity in which participated

(ii) "Workshop on question (ii) Expert.  
 Banks on Co-operation" at  
 Anand Arts College organized  
 by the Sardar Patel Univer-  
 sity, Vallabh Vidyanagar

*Department of Banking and Business Finance :*

2. Joshi K. M. Workshop on "Keynes, Marx and Schumpeter" at Sardar Patel Institute of Economic and Social Research, Ahmedabad, 29th March to 2nd April, 1983      Invitee.

*Department of Commerce Including Business Administration :*

3. Beri G. C. Annual Meeting of the U.G.C. Panel on Commerce, New Delhi, Nov., 1983      Member of the U.G.C. Panel.
4. Patel B. S. Faculty Development Programme, Indian Institute of Management, Ahmedabad, July 1, 1983 to 15 April, 1984      Participant.

5. Exhibitions, Performances, Demonstrations etc. at State, National or International Levels

*Department of Banking and Business Finance :*

1. Joshi K. M. Research Project entitled "Money, Income and causality" by U.G.C. during 1983-84.

**6. National and International Award and Distinction**

*Department of Commerce Including Business Administration :*

Name of the Receipt Teacher/  
 Non-Teacher/Student

Description of the Award

1. Beri G. C. Honorary Fellowship in the Biographical Academy of the Commonwealth founded by the International Biographical Centre, Cambridge, England.

**CHAPTER XI (A)**

**1. Published Articles/Papers :**

Sr. No.	Name/s	Title	Name of the Journal wherein published with date of publication
<i>Bio-Chemistry :</i>			
1.	Koicha M. Parikh S. C. Patel A. G.	Rifampicin its biochemical and microbiological bioavailability in pulmonary tuberculosis patients.	Indian Journal of tuberculosis. Vol. No. 2 April, 1983.
<i>Cl. Chem. :</i>			
2.	Shah N. C. Majmudar B. N. Rajgopal T.	Lung function tests in normal healthy subjects of Baroda.	Medicine and Surgery Vol. No. 1 Page 15 January '84.
<i>Pharm. :</i>			
3.	Gandhi D. N. Gulati O. D. Hemavathi K. G.	Influence of Mg <sup>2+</sup> and reserpine on the reactivity of rat seminal vesicle to 5 HT.	Arch. Int. Pharm. Col at de. Ther. (1983) 262. 189-198.
4.	Dhumal V. R. Girdhar A. Gulati O. D. Hemawathi K. G. Shah D. S.	Mutual interaction of PG-like material and NA during perirabterial merve stimulation of rabbit intestine.	J. Pharm. Pharmacology (1983) 35 674, 319.
5.	Chauhan P. A. Hemavathi K. G. Gulati O. D.	Role of opiodergic component in the antihypertensive effect of clonidine.	Ind. J. Physiol. Pharmacol. (1983) 27. 305-310.

## Pathology :

6. Patra, S. B.  
( i ) Double heterozygous haemoglobinopathy Diagnostic importance of parent studies. Ind. Paed. 20, 479-382-1983.  
( ii ) Hb Barts in tribal of western India. Ind. J. Haematology, i 46-49, 1983.  
( iii ) Ameoboma causing caeco colic intussusception. Post graduate Medical Journal 59 : 85-87, 1983.  
( iv ) Endodermal sinus tumour. Ind. J. Path. Bact. 26 : 105-108, 1983.  
( v ) Haemoglobin electrophesis on agar gel a modified method. Ind. H. Path. Bact, April 1984.  
( vi ) Cytologic study in lymphadenopathies. 9 : 12 ( A )-12 ( b ), 1983.  
( vii ) Giant chorio carcinoma of lung. Ind. J. Chest disease and allied sciences, 226-229, 1983.

## Medicine :

7. Mehta, N. C., Patel, K. H. and Patel H. C. Adjuvant Therapy of chronic refractory failure with oral cardiac. Journal of Association of Physician of Indian Vol. 31 June, 1983, pp. 343.  
8. Mehta, N. C., and Patel H. R. An unusual case of morquio's syndrome with Aminoacidures. —do—  
9. Kaul, P. Myasthenia gravis Scram and C.S.F. Manga- Neurology India, Journal of Pharmacology. ncss.

## Paediatrics :

10. Mistry, K. P.; Acharya, P. T.; Bhatt, R. V., Modi, B. K., Modi, U. J. and Shah, M. C. Factors affecting the amniotic fluid phospholipids. Asean J. of Clinical Sciences June 1983, Vol. 4, No. 2, 201-204.  
11. Shah, M. C., Modi, V. J., Bhatt, R. V. Mistry, K. P. Amniotic fluid composition in abnormal pre-natancies. Indian J. of Ped. 271:274, 1983.  
12. Agarwal, D. K.; Agarwal, K. N., Modi, U. J., Taggaral, A. R., Patel, H. S. and Majumdar, V. Current status of Endemic Goitre in District Bharuch, Gujarat. Vol. 20, 83, 479-83, Indian Paediatrics.  
13. Patra, S. B., Giri, D. D., Patel, R. Z., Modi U. J. and Amin, N. S. Double ueterozygous haemoglobinopathies Diagnostic importance of prevent studies. Indian Paediatrics, Vol. 20, July 1983.

## Ophthalmology :

14. Sheth, K. S. Tears Glucoma level.

## Psychiatry :

15. Khurana, A. B. ( i ) Liaison Consultation Psychiatry. Read in Guj. Opth. Conference at Valsad. Continuing Medical Education Vol. III 1984, Indain Psychiatry.  
( ii ) Curriculum Planning for Social and Behavioural Science Achievenal at Baroda. Indian Journal of Clinical Psychology, 10, 45-9-468, 1983.  
16. Khurana, S. A study of Psychological Factors and Psychotherapy in Ulcerative Colitis. Indian Journal of Clinical Psychology, 10, 459-468, 1983.

## 2. Published Books and Monographs :

Name of the Authors	Title of the Books	Name of the Publisher and year of Publication
Khurana, A. B.	Psychological Aspects of Family Planning A Chapter.	Psychiatry in India, Pub. : Bhalani and Co., Bombay Ed. Alan De Sousa.

## Psychiatry :

## 3. Papers presented at Professional level Seminars, Conferences, etc. :

Sr. No.	Name of the Teacher	Theme, Organisor's name, Place and Dates of the Conference/Seminar	Title of the Paper
<i>Pharmacology :</i>			
1.	Bhatt, J. D.	XVI Annual Conference of Indian Pharmacological Society, Ajmer, 28-30th December, 1983.	Investigation of interaction of captorial (A new antihypertensive agent) with various agents on smooth muscles.
2.	Bhugra Praveen, Gulati, O. D. and Hemavathi, K. G.	—do—	A study of nitrogen oxidase containing vasodilators on guinea pig trachea. A non-vascular smooth muscle.
3.	Pasani, J. S., Gulati, O. D. and Hemavathi, K. G.	XVI Annual Conference of Indian Pharmacological Society, Ajmer, 28-30th December, 1983.	Effect of H-53, an Ayurvedic preparation on rabbit atrium and intestine.
4.	Balaraman, R., Gulati, O. D. and Hemavathi, K. G.	XVI Annual Conference of Indian Pharmacological Society, Ajmer, 28-30th December, 1983.	The effect of cadmium on the response of noradrenaline, dopamine and KCI in ratanococcygous muscle.
<i>Microbiology :</i>			
5.	Asnani, M. B.	Association of Pathologists and Microbiologists Gujarat State unit at Baroda. VIII annual conference.	Symposium on cholera, Laboratory diagnosis of cholera and related organisms.

*Medicine :*

6.	Sanghavi, N. G.	( i ) Indian Society of haematology 9-12-1983. ( ii ) Vth Annual Conf. of A.P.G. 8-1-1984. ( iii ) National Conference of cytogenetics 16-1-1984. ( iv ) Vth Annual Conf. of A.P.G. 8-1-1984.	Autoimmuni Haemolytic anemia. —do— Cytogenetics in leukemia. —do—
7.	Pathak, K. J.	( i ) Vth Annual Conference of Association of Physicians of Gujarat ( A.P.G. ) held at Medical College, Baroda on 7-8 January, 1984. ( ii ) —do—	Bromide partition tests in adult cases of tuberculous meningitis. A study of haematological profile in chronic Renal Failure with special reference to Iron status.
8.	Kaul, P.	( iii ) Vth Annua, Conf. of A.P.G. Medical College, Baroda, 7-8 January, 1984. ( i ) —do— ( ii ) —do—	Medical social and Psychological aspects of suicidal poisoning. Lymphomas. C.S.F. Ca and Mg. in health and diseases.
9.	Mehta, N. C.	( i ) Vth Annual Conf. of A.P.G. Medical College, Baroda, 7-8 January, 1948 ( ii ) —do— ( iii ) —do— ( iv ) Vth Annual Conf. of A.P.G. Medical College Baroda, 7-8 January, 1984.	Comparative efficiency of Digoxin hydralazine and combination Therapy in C.C.F. Serum histaminax in C.C.F. Serum Histaminax in myocardial infarction. Diagnostic Value of venal biochemical indices in acute azotemia.
10.	Lakhani, J. D.	( i ) Vth Annual Conf. of A.P.G. Medical College, Baroda, 7-8 January, 1984. ( ii ) —do— ( iii ) —do—	A study of 31 case of cardiomyopathy. Autogeneous asciticfluid infusion in cirrhosis of liver. Medical, Social and Psychological aspects of suicidal poisoning.

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|------------------|---|---|
| (iv)             | —do—  | A study of haematological profile of chronic renal failure.                                     |
| (v)              | —do—  | A preliminary study of serum histaminax in health and various diseases.                         |
| (vi)             | —do—  | Trans-tracheal aspiration in Lower respiratory tract infection.                                 |
| (vii)            | 39th Annual Conf. of A.P.I. Hyderabad 21 to 25 January, 1984.                   | Apical hypertrophic cardiomyopathy.   |
| (viii)           | —do—  | Scrum histaminase in chronic Renal Fallud.  |
| (ix)             | —do—  | A value of septic time intervals in reneblit of Acute myo. infesent.                            |
| (x)              | National College of chest physicians with A.P.I. Conf. of 21-25, January, 1984. | S.T.I. in C.O.P.D.  |
| (xi)             | International Conference of Leprosy, Delhi, March, 1984.                        | Renal involvement in Leprosy.   |
| 11. Patel, H. R. | (i) Vth Annual Conference of A.P.G. Medical College, Baroda 7-8 January, 1984.  | Comparative efficiency of Digoxin, hydralzine and combination Therapy of chronic Renal Failure. |
|                  | (ii) —do—   | Effects of hypoprotinssin chronic infection and cirshusis of Liver on utilization of Iron.      |
| 12. Patel, K. H. | V h Annual Conference of A.P.G. Medical College, Baroda, 7-8 January, 1984.     | Diagnostic value of venal biochemical indias in acute azotumia.                                 |
| 13. Patel, N. H. | Gulbution 20 Level in Teers Gujarat Conference.                                 | Glucoma level in Teers.   |

## Psychiatry :

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|---|---|--|
| 14. Khurana, A. B., Medlani, and Rawal H. V.        | Annual Conference of Indian Psychiatric Society held at C.I.P. Ranchi from 14-16, January, 1984.  | Analysis of Referral Cases.  |
| 15. Khurana, A. B., Rawal, H. V. and Kapur, A.      | —do—  | Propranalal as an adjunct in Schizopfhrenia.   |
| 16. Rawal, H. H.                                    | (i) Attended XX Annual Conference Guj. St. Branch at Bhavanagar, 27-11-1983.<br>(ii) —do—         | Bronchial Plexus Block through coracoid approach.<br>Complete revival of Pt. after 15 minutes of cardiac arrest participated in panel discussion. Difficult Anaesthesia Problems and their Management. |
| 17. Upadhyaya, R. M.                                | Attended XX Annual Conference Guj. State Branch at Bhavanagar, 27, November, 1983.                | Difficult Instubation due to congenital anomaly of trachea.  |
| E.N.T. :  |   |  |
| 18. Udwadia, R. B., Tiwari, R. S. and Vijay-Moradia | Annual E.N.T. Surgeons Conference January, 1984, help at Ahmedabad.                               | Role of Tympanometry in Secretary and titles media.  |
| 19. Verma, B. S.                                    | Indian Assoc. of S.T.D. In National Conference, S.T.D. To-day. Baroda, 4th and 5th February 1984. |  |

## 4. Talks of academic nature given at different Universities/Professional Institutions

Name of the Department	Name of the Teacher	University/Institution	Title of the Lecture
Physiology	Chandwani S.	Baroda Medical Union	Reticular Formation. Mechanism of concentration of Urine

Name of the Department	Name of the Teacher	University/Institution	Title of the Lecture
Physiology	Palam B. M.	Medical Round Table, Medical College, Baroda.	Clinical Hypnosis.
Medicine	Pathak K. J.	Baroda Medical Union	Refresher to Uric.
Ophthalmology	Sheth K. J.	Faculty of Home Science	Vit and Level in sernu in cases xeropathaleric.
Psychiatry	Khorana A. B.	( i ) Biochemical Basis of Normal and Abnormal Behaviour	Chemistry Department, M. S. Univ., Baroda.
Psychiatry	Khorana A. B.	( ii ) Psychiatry in General Practice.	Staff College, Railway Hospital, Baroda.
<b>5. Participation in Professional Programme, Workshops, Summer Schools etc.</b>			
Sr. No.	Name of the Teacher	Programme, Place and Date	Capacity in which participated
<i>Anatomy :</i>			
1.	Akolkar S. S.	RIA Training Course BARC, Bombay, April, 34	Participant.
2.	D. C. Vyas	National Teacher Training Course, Pondecharry, Aug. 83.	Participant.
<i>Microbiology :</i>			
3.	Asnani M. B.	W.H.O. Intra-country courses on Laboratory aspects of National diarrhocal disease control programme, National Institute of Cholera and Enteric diseases Calcutta, 26th Sept. 1983 to 5th Oct. 1983.	Participant.
4.	Chhaya R. K.	Shree Chitra Tirunl Institution for Medical Sciences and Technology Trivendrum, Ist National workshop on serological Marks of Mapatitis. Bviras. 10th Oct. 1983 to 15th Oct. 1983.	Participant.

5. Nigam A. S. Attended workshop on Anaerobic Bacteriology AIIMS New Delhi. 24th Oct. 1983 to 2nd Nov. 1983. Participant.
6. Ramanuj A. Workshop on Gelimmune diffusion technique in research and Laboratory Medicine. 10th Nov. 1983 to 18th Nov. 1983. Participant.
- Medicine*
7. Kaul P. Attended conference of Neurological society of India. Participant.
- Ophthalmology :*
8. Sheth K. J. World eye Foundation, U.S.A. by correspondence. As a member.  
E.N.T. :
9. Udawadia R. B. Conference of Association of Otolaryngologists of India Jan. 6, 7, 8 1984 at Ahmedabad. Chairperson of session in Scientific programme.
- Skin V. D. :*
10. Verma B. S. 13 to 17 Dec. 1983 Leprosy Training Centre and Hospital. Organiser of W.H.O. workshop.

## 6. National and International Awards and Distinctions

Name of the Recipient  
Teacher/Non-Teacher/Student

Description of the Award

## Physiology :

Chandwani S. and  
Pandya K. D. Hari Ohm Ashram Prerit Bhaikaka Smark Trust  
Prize for the year 1982-83 under group A in the  
subject of Medical Science and Pharmacy for the  
best published paper entitled : During normal  
Pregnancy.

## Pharmacology :

Gulati O. D. Elected president of Indian Pharmacological  
Society for the year 1984.

## Skin V. D. :

Verma B. S. Appointed Hon. Physician to the President of India.

## 7. Any Activity in the Faculty Involving Innovation in Teaching/Research

## M.Sc. ( Medical ) Student Research Projects : MICROBIOLOGY

1. Parikh H. Serodiagnoses of pulmonary aspergillosis.
2. Contractor R. Acquisition of pseudomonas aeruginosa during Hospitalization.
3. Srivastav A. Asymptomatic Bacteriuria during pregnancy.
4. Srivastav R. A study antibiotic susceptibility of S. aureus from abscesses.
5. Patel N. Serodiagnosis of Ameebiasis.
6. Patel H. Environmental study of pseudomonas aeruginosa in Hospitals.
7. Desai M. Incidence and Antibiotic resistance in klebsiella organism isolated from clinical materials.
8. Shah R. Vaginitis in premenopausal woman and role of serebic bacteria, trichomonas vaginites candida albicans.

## Ph.D. ( Microbiology ) Students Research Projects :

1. Joshi C. J. Clinical : Laboratory, immunological and opidemilegical aspects of Neisseria gonorrhoeae.
2. Dixit M. Surveillance of meningococcal infection in Baroda.
3. Chhaya R. K. "Epidemiology and serotyping of streptococi".
4. Asnani M. B. Some aspects of Pulmonary as pagilosis.

## Medicine :

An integrated discussion has been started on once-a-week basis with departments of Pharmacology and Paediatrics on common clinical pharmacological problems. The participation in discussion has been mainly by staff members of these 3 departments but entry is open to all.

## E.N.T. :

Research grant received from State Research Committee Study in Progress.

## 8. Any Activity of Academic/Social Significance organised in or by the Faculty not included under Previous Items

Name of the Teacher ( P.G. Guide )	Name of P.G. Student	Title
1. Sanghavi N. G.	Munshi N. C.	Cytogenitre study in haemoglogical Maliganancin.
2. Kaul P.	Mayavanshi J. H.	A clinical and enzymatic problem of 30 cases of Ducscholle dystrophy.
3. Kaul P.	Menon P.	C.S.F. lactic acid level in maniajits.
4. Dave B. T.	Talwar S. P.	Glycosyhtaf-b and diaetics mellitts.
5. Kaul P.	K. R. Shah	Lipid problem and HP study in nephrolic syrobin.
6. Dave B. T.	S. C. Chaudhary	Study of cardiac strass testing in evaluation of chest pain.
7. Pathak K. J.	C. P. Joshi	Diagnostic value of bremide partition in various types of menjils.
8. Pathak K. J.	C. M. Kulkarni	Hypartological prefile of chronic renal failure.
9. Pande R. S.	P. N. Parikh	A study of 31 cases of cardia-myopathy.
10. do	S. A. Acharya	Serum Histamvese in chronic level failure.
11. do	A. J. Shah	Serum histaminase in Actue Myr. infore.
12. do	Rosha	Systolic time intravals following Hyr. infore.
13. do	Chopra	Renal involvement in Leprosy.
14. Sanghavi N. G.	Mistry	Binkmarrow birply in dry tap.

## CHAPTER XI ( B )

### 1. Function of the Unit

Sheth Ujamshi Pitamberdas Ayurvedic Research Unit has been set-up for research in Ayurveda. It has a library, a museum of Indian Medicinal herbs and minerals, a Rash-Shala and an Out-patient Department. Beds of Ayurvedic Clinic Research are made available by a modern physician attached to the Unit.

### 2. Museum

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

### 3. Work done in the Unit

#### A. Anti gastric ulcer activity of TAMRA BHASMA ( TABH ) In Rats :

Tamra Bhasma obtained from Gujarat Ayurved Vikas Mandal, Junagadh was shown in the laboratory to exert anti-gastric ulcer activity ( both curative and prophylactic ) against ulcers induced by dexamethasone, cysteamine and indomethacine in albino rats. TABH was also compared with existing drugs which are used in gastric ulcer. TABH was potently effective in different models of experimental ulcer. The work is in progress.

### 4. General Ayurvedic O.P.D.

During the year 1983-84 35,673 old cases and 1,773 new cases were received in the O.P.D. of the Unit. The total number of patients for the year was 37,446, which is the highest since the unit was set up.

### 5. Professional Growth of the Staff

The research work of the Unit on Tamra Bhasma was presented at the Annual Conference of the National Council for international Health, Washington, D.C. ( U.S.A. ) ( June 10-12, 1983 ) by Dr. O. D. Gulati, Head of the Research Unit. The theme of the conference was " Traditional Healing and Contemporary Medicine ". The presentation evoked a high level of audience participation.

## CHAPTER XII

### 1. Courses of Studies

Applied Mechanics Department :

New Courses from academic year 1983-84.

- ( i ) Post-graduate Course in Fracture Mechanics.
- ( ii ) Post-B.Sc. Diploma course in Geotechnique.

Electrical Engineering Department :

A number of interdisciplinary courses were started by the Faculty. The courses relating to the fields of study under the purview of the department were as follows :

- ( i ) Post-B.Sc. Diploma in Solid State Electronics.
- ( ii ) Post-B.Sc. Diploma in Computer Applications.

Chemical Engineering Department :

- ( i ) The subject ' Petroleum Technology ' was reintroduced as an optional subject at the II Semester final year level.

Metallurgical Engineering Department :

- ( i ) Post-B.Sc. Course in Corrosion Technology jointly with the Department of Applied Chemistry.
- ( ii ) Post-B.Sc. Course in Materials Testing Technology jointly with the Department of Applied Physics.

Applied Mathematics Department :

- ( i ) Post-B.Sc. Diploma in Computer Applications and
- ( ii ) Post-B.Sc. Diploma in Operations Research.

## 2. Published Articles/Papers

Sr. No.	Name	Title	Name of the Journal wherein published with date of publication
<i>Applied Mechanics :</i>			
1.	Parikh P. and Biyani K. R.	Influence of rate of loading on dimensionally compressed sock	JMSU, "Science Technology and Medicine, No. 3, 1983.
2.	Shroff A. V.	Discussion-Development of Polyarecton grouts and is geotechnical applications	Proceedings of conference on const. Practice and Instrumentation in Ceotech Engy., Vol. 2, January, 1984.
3.	Patodi S. C. and Bhavsar M. C.	Discrete Energy Non-linear Bending of plates with circular Geometry	Jn. of Institution of Engra (I) Vol. 64, Pt. Cl. 3, pp. 182-192, Nov., 1983.
<i>Civil Engineering :</i>			
4.	Shete D. T.	An Overview of Factors Affecting Demand for Water	J. of Indian Ceater Resources Society, July, 1983.
<i>Chemical Engineering :</i>			
5.	Pandya S. B	(a) Design of tube still heaters—A Case Study	Chemical Age of India, 34, No. 6, (1983), P. 333.
		(b) Design of Indian/Foreign biogas Plant.—A Case Study	Chemical Age of India, 34, No. 11, (1983), P. 663.
6.	Puranik S. A.	(a) L-L extraction of Aromatics in a spray column in the region of dense packing of drops	Proceedings of the third Pacific Chemical Engg., Congress-83, Seoul, Korea, V. II, P. 254, May, 1983.
		(b) V. L. Equilibrium data Heat of mixing and enthalpy concentration diagrams	Proceedings of the third Pacific Chemical Engg. Congress-83, Seoul, Korea, V. II, P. 371, May, 83.
7.	Subrahmanyam N. and Ethirajuly K.	Application of ultrasound in Chemical Engg.	Chemical Age of India, 35, No. 1, (1984), P. 29.
<i>Metallurgical Engineering :</i>			
8.	Sundarmurti N. S., Shah K., Gadgeel V. L. and Seshadri V.	Effect of lime additions on rate of reduction of chromite graph e. i.	Trans, Inst. of Min. and Met., London, Sec. C. P. 172, Sept., 1983.
9.	Dutta S. K., Sundarmurti N. S. and Gadgeel V. L.	Strength characteristics of Partially reduced Iron-Oxide briquettes at elevated temperatures	Trans. Ind. Inst. of Metal., Vol. 1, 36 No. 3, Pl 1984, June, 1983.
<i>Textile Chemistry :</i>			
10.	Karmakar S. R.	(i) Low Temperature fixation of Pigment Dyeing	The Textile Industry and Trade Journal.
		(ii) Methods of Increasing the Intensity of Prints using different solvents	Indian Textile Journal.
11.	Jamdagni R. P.	(i) Single with application Disperse and Acid Colours on Nylon	Indian Textile Journal
		(ii) Effect of PH on polyester terephthalate	Indian Textile Journal.
12.	Gupta R. P.	Removal of Stains from Textiles	Indian Textile Journal.
<i>Architecture :</i>			
13.	Pramar V. S.	(i) Arts and Architecture of Himachal Pradesh—Book Review	
		(ii) Discovery of Architectural links between Gujarat and Abyssinia	'Marg' February, 1984.
		(iii) Step Wells of Gujarat—Book Review. The Architectural Wood Work of Gujarat	
<i>Applied Physics :</i>			
14.	Agarwal P.	(a) Precipitation studies in Pb-Sn alloys	ACUSTIOA.
		(b) Study of Ultrasonic in Sn-In alloy	Praman.

## Applied Mathematics :

15. Pathak V. D. and Vasavada M. H. Characterization of Cn Mathematics Today, July, 1983, (Ahmedabad).  
16. Puri V. and Patel C. M. Analysis of a composite Porons Slider Bearing with Anisotropic Permeability and Slipvelocity Wear, 1984 (1983), 33-38.  
17. Puri V., Patel C. M. and Bhatt M. V. The Analysis of a Pivoted Porons Slider Bearing with a conved pad surface Wear, 88 (1983), 127-131.  
18. Agrawal Y. K. (i) Stability constants of Rare earth chelates of p-substituted N-p-Tolylbenzohydroxamic acid Indian J. Chemistry, 22, 80 (1983).  
(ii) Thermodynamic solution stability constants of alkali each with Hydroxamic acid: J. Indian Chem. Soc., 60, 839 (1983).  
19. Sachan S. R., Soman S. D. and Agrawal Y. K. A new technique for recovery of Insta-Gel used in Tritium counting Health Phys., 44, 570, (1983).  
20. Shah A. K., Banerjee S. K. and Agrawal Y. K. Spectrophotometric methods for determination of Pyrazinamide The Eastern Pharmacist 26, 143 (1983).  
21. Agrawal Y. K. and Mehd G. D. Solvent Extraction and Spectrophotometric Method for the determination of some toxic metal ions Rev. Anal. Chem. 6, 185 (1983).  
22. Shah A. K., Banerjee S. K. and Agrawal Y. K. Spectrophotometric Estimation of Rifamycin in Biological Fluids Indian Drugs 21, 66 (1983).  
23. Patel S. A. and Agrawal Y. K. Extraction and Spectrophotometric Determination of Mercury with n-P-chloro-phenylbenzohydroxamic acid Preparation and properties of O-chloro-and m-chloro-phenyl hydroxylamines Mikrochem. J., 28, 505 (1983).  
24. Mehd. G. D. and Agrawal Y. K. (i) Mixed ligand stability constants of Benzo-hydroxamic acid and 2, 2'-bipyrody J. Indian Chem. Soc., 60, 686 (1983).  
(ii) Micro-determination and separation of Titanium in Environmental samples by Spectrophotometry Trans. Metal. Chem. 8, 292 (1983).  
Analysist 109, 27 (1984).

26. Agrawal Y. K. and John K. T. New substituted Hydroxamic acids for spectrophotometric determination of cerium Buseki Kagaku, (Sec. E), 33, 137 (1984).  
27. Agrawal Y. K. and Rahi R. N. A colorimetric method for the Determination of Traces of Cadmium with 8-Quinoline Acta Ciencia Indica, 9, 3, (1983).  
28. Patel I. R. and Rao K. K. (i) Factors affecting the absorption of *P. aeruginosa* Phage Indian J. Microbiol, 23, 203, 1983.  
(ii) Studies on the *P. aeruginosa* PAOI bacteria phage receptors Archives of Microbiol. (W. Germany), 135, 155, 1983.  
(iii) The effect of Polymyxin-B and Avidih on *P. aeruginosa* PAOI phage receptors Microbios Letters (U.K.), 23, 139, 1983.

29. Patel P. M., Rao K. K. and Dighe A. S. Effect of various pre-treatment methods on lignin removal and saccharification of agricultural residue Indian J. Microbiol. 23. No. 4. 1983.  
30. Patel I. R. and Rao K. K. (i) The average burst size distribution of a *P. aeruginosa* phage during multiplicity of infection Current Science 53, 198, 1984.  
(ii) Induction of premature lysis of bacteriophage infected *P. aeruginosa* PAOI by Polymyxin B Microbios Letters (U.K.) 24, 1984.

## Applied Chemistry

31. Lohar J. M. and Dave J. S. Effect of nitre terminal substituents on the liquid crystalline characteristics of ester mesogens Mol. Cryst. Liq. Cryst. 1983, 103 (1-4), (Eng.).  
32. Lohar J. M. and Dave J. S. Emergence of Smectic Mesophase in binary mixtures of pure Nimatogens Mol. Cryst. Liq. Cryst. 1983, 103 (1-4), (Eng.).  
33. Lohar J. M. and Patel G. H. Mesomorphic characteristics and phase transitions of some new Mesogens Mol. Cryst. Liq. Cryst. 1983, 103 (1-4), (Eng.).  
34. Lohar J. M. and Yadwadka. S. Variation in Mesomorphic characteristics with certain alternations in molecular structure: Homologous Series isopropyl p-(p'-n-alkoxy benzoyloxy) benzoates Mol. Cryst. Liq. Cryst. 1983, 103 (1-4), (Eng.).  
35. Vora R. A. and Gupta R. (i) "Effect of lateral substituent on Mesomorphism" J. Indian Chem. Soc. LX 366 (1983).  
(ii) "Mesogenic exo-heterocyclics and their benzene analogues" Mol. Cryst. Liq. Cryst. 91, 45 (1983).

36. Vora R. A.,  
Dixit N., Jain P. C.  
and Kafe R. A. "Phase transition Studies in P-nitrobenzylidene P-n-alkoxy anilines"  
Mol. Cryst. Liq. Cryst. 1983, 103 (1-4), 287-97.
37. Vora R. A. and  
Patel D. N. Mesogenic homologous series containing chloro group as ortho and para substituents  
Mol. Cryst. Liq. Cryst. 1983, 103 (1-4), 127-35.

### 3. Published Books and Monographs

Name of the Author

Title of the Book/s

Name of the Publisher

Pharmacy :

1. Agrawal Y. K. Hydroxamic Acids and their Analytical Application Freund Publication, Israel.

Architecture :

2. Pramari V. S. (1) Wooden Architecture of Gujarat  
(2) A Study of some Towns in Gujarat  
Mapica Publishing, Ahmedabad.  
Prof. A. Petruccioli Rome University,  
Rome, Itali.

### 4. Papers Presented at Professional Level Conferences etc.

Name of the Teacher

Organisor's Name, Place and Date of  
the Conference/Seminar

Title of the Paper

Civil Engineering :

1. Modi P. M.,  
Savani A. K. and  
Patel O. H. (i) The Workshop on "Scheduling of Irrigation  
WALMI, Aurangabad, July, 1983  
Irrigation Scheduling—A Case Study.
- (ii) —do—  
Theory and Logic of Irrigation Scheduling  
using Weather Data.

3. Modi P. M.

(i) Workshop on "Planning for Efficient Farm  
Management " WALMI, Gandhinagar, June,  
20th 1983.

Chak Water Delivery System Water  
Sources and Field Channels.

(ii)

Various Measuring Devices and their Role  
in Water Management and Planning  
(Irrigation).

4. Prajapati J.

National Symposium on "Strategies for Irrigation  
Development", Parna, February 23-25, 1984

Infiltration of Water into Irrigated  
lands.

5. Shete D. T.

—do—

Irrigation Management for Salinity  
Control.

6. Sutaria P. N.,

—do—

Water Management in Saline Soils

Bhatt N. M.,  
Parthasarathy G. S.  
and Modi P. M.

7. Shete D. T.

XIIIth Annual Convention of S.T.E. Chandigarh,  
December 19-21, 1983  
Increasing Classroom Productivity.

8. Parmar N. B.,  
and Bhatt R. D.

(1) National Seminar on Rural Development with  
Alternative Energy Resources—Prospects and  
Limitations. Kamala Nehru Institute of Techno-  
logy, Sultanpur, 13-14 January, 1984  
Hydrology and Design Discharge con-  
sideration in Low cost Water Crossing  
Design.

(ii) All India Workshop on Rural Hydrology  
Annamalai University, Annamalaiagar, Janu-  
ary 3 to January 10, 1984  
—do—

9. Bhatt N. M.,

Sutaria P. N.,  
Vyasa P. D.,  
Parthasarathy G.  
and Modi P. M.

Second Annual Convention and Seminar on Hydro-  
logy with a special Colloquium on National Grid of  
Rivers, January 8-10, 1983, Hyderabad  
Geochemistry on Water quality and  
environment Pollution.

10. Vyasa P. D.,

Sutaria P. N. and  
Parthasarathy G. S.

—do—

Real Time Forecasting Using Time  
Series Model.

11. Vyasa P. D.

—do—

Conjunctive use of Ground and Surface.

12. Vyas P. D., Sutaria P. N., Bhatt N. M., Parthasarthy G. S. and Modi P. M. (i) 1st All India Workshop on "Rural Hydrology" Annamalai University Annamalainagar, January 3-10, 1984  
(ii) —do—  
Water Resources and Environment.
13. Geethanath H. Y. National Symposium on Remote-sensing in Development and management of Water Resources, Ahmedabad, October 25-27, 1983  
Airphoto Studies for Ground Water in Hard Rock Areas.

*Chemical Engineering :*

14. Puranik S. A. Indian Institute of Chemical Engineers Thirty Sixth Annual Session and First Joint Session with the Institution of Chemical Engineers (U.K.), Pune 4-7, January, 1984  
Liquid Liquid extraction of aromatics using solvents-DMSO and DMF.
15. Subrahmanyam N. International Seminar on Development of Petrochemical Industry, September 29-30, 1983 organised by NBC-IICHE at New Delhi  
Process Energy Inputs for Production of LDPE, PVC, butadiene and benzene— A comparison between processes based on Petroleum feed stocks and other Raw materials.
16. Eththi:ajulu K. (i) Indian Institute of Chemical Engineers Thirty Sixth Annual Session and First Joint Session with II ChE (U.K.), Pune, 4-7 January, 1984  
(ii) —do—  
(1) Studies on the Performance of a Vertical Liquid-Liquid Ejector  
(2) —do—

*Metallurgical Engineering :*

17. Gadgeel V. L. and Agrawal S. K. SEM Investigation of Fatigue Failure of a Wind Mill Shaft  
37th ATM/NMD/Nov. 14-17, 1983 of Ind. Inst. of Metals.
18. Basa D. K. and Munshi S. R. I.I.F. Annual Convention, March, 1984, Delhi  
Protection of environmental Pollution in Foundry Industries.

*Textile Chemistry :*

19. Karmarkar S. R. A Seminar conducted by ACTI, Ahmedabad, at IPCL, Research Centre  
Development of Synthetic Detergents for Textile Industry.

*Architecture :*

20. Pramari V. S. U.G.C. Seminar on "Worship of Vishnu" Faculty of Fine Arts, MSU, November, 1983  
Haveli-Temples of Gujarat.

*Applied Mathematics :*

21. Pathak V. D. International Symposium on Modern Analysis and its Applications, Department of Mathematics, I.I.T., 21-12-1983 to 24-12-1983  
Isometrics and Isomorphisms of Banach spaces of Differentiable Functions.

*Applied Chemistry :*

22. Vora R. A. and Patel R. G. Fifth Liquid Crystal Conference of the Socialist Countries (October, 1983), Odessa USSR  
Mesogenic Polymers-II Synthesis of new mesogenic polymers and evaluation of their physical properties.
23. Vora R. A. and Patel N. G. 20th Annual Convention of Chemists India, 1983  
Reactive polymers-I polyamides containing reactive chlorine group.
24. Vora R. A., Patel R. G. and Patel D. N. 20th Convention of Chemists India, 1983  
Mesomorphic polymers-III Synthesis and characterization of Liquid of Liquid crystalline co polyesters poly (o, m and p-phenylene carboxylate).

**5. Talks of Academic Nature given at Different Universities/Professional Institutions***Name of the Teacher.**University/Institution**Title of the Lecture**Applied Mechanics :*

1. Parikh P. V. (i) Workshop on Earth Dam Design and construction held at GERI, Vadodara, 14th April, 1983  
(ii) A short course on Engineering materials and properties held at GERI on 3-12- October, 1983 organised by GERI, MSU and Inst. of Engrs.  
Shear and consolidation in soil application to earth and Rock fill Dams.  
Properties of Materials Rocks.

2. Damle S. K. (i) Course on Engineering Materials and Properties organised by GERI, Faculty of Tech. and Engg., MSU, and Inst. of Engrs. on 3-12 October, 1983  
 (ii) Courses of Engineering Materials and Properties organised by GERI, Faculty of Tech. and Engg., MSU and Inst. of Engr. on 3-12 October, 1983  
 (iii) Staff Training College, PWD, Gandhinagar, August, 1983
3. Thattey V. S. (i) One day course organised by Institution of Metal association, Baroda Chapter on 31st March, 1984  
 (ii) A short course on Engineering Materials and properties held at GERI on 3-12 October, 1983 organised by GERI, MSU and Inst. of Engrs. (I)
4. Shroff A. V. (i) Workshop on Earth Dam Design and Construction held at GERI, 14th April, 1983 organised by Irrigation Department, Gujarat State and GERI, Baroda  
 (ii) An Orientation course for Technical Officers of Railways, August 27, 1983 Railway Staff College, Vadodara  
 (iii) A short course on Engineering Materials and Properties at GERI on 3-12 October, 1983. organised by GERI, MSU and Institution of Engrs. (I).
- Civil Engineering :
5. Modi P. M. Water Management and Land Development Centre, Anand May and December, 1983.

6. Shah N. C. (i) Irrigation Methods.  
 (ii) Barin Irrigation.  
 Irrigation Efficiency
7. Sawani A. K. (i) Irrigation Methods.  
 (ii) Barin Irrigation.  
 Irrigation Efficiency
8. Parthasarathy G. S. (i) Water Management and Land Development Centre, Anand, May and December, 1983  
 (ii) Water Works Supervisor's Training Course conducted by Public Health Engineering Lab. Vadodara sponsored by Ministry of Health Family Welfare, New Delhi, October 11, 1983
9. Shete D. T. Water Management and Land Development Centre, Anand, May and December, 1983
10. Sutaria P. N. (i) Furrow Irrigation.  
 (ii) Warabandhi System.  
 Border Irrigation.
11. Vyas P. D. Irrigation Engineering and Land Management.  
 Ground Water Development.
12. Modi P. M. Irrigation Engineering and Land Management.  
 Ground Water Development.
13. Vyas P. D. Assessment and Evaluation of Irrigation Projects.  
 Measurement of Flow.
14. Bhatt N. M. Disinfection.

*Electrical Engineering :*

15. Agarwal A. K. Railway Staff College An overview of the Fifth Generation Computers.  
 16. Shah S. G. South Gujarat University Modern Trends in Computer Micro-Processor Tech.

*Metallurgical Engineering :*

17. Gadgeel V. L. ( i ) Organised by M. S. University, GERI and Inst. of Engineers (India) Lectures in the short course on Materials and Properties.  
 ( ii ) Department of Met. and I.I.M. Baroda course on Case History of a failure in a steam Corrosion and its prevention in cooling water generating system.  
 18. Agrawal S. K. M. S. University GERI and Inst. of Engineers (India) Lecture and Demonstration on the use of scanning electron microscope.  
 19. Shah N. M. —do— Lecture and Demonstration in Metallography.

**Applied Physics Department**

20. Joshi R. V. Gujarat Engg. Research Institute Baroda, 3rd October, 1983 Glasses of Engineering Materials.

*Name of the Teacher**University/Institution**Title of the Lecture***6. Participation in Professional Programme, Workshop, Conference, Summer Schools etc.***Name of the Teacher**Programme, Place and Date**Capacity in which participated**Applied Mechanics :*

1. Parikh P. V. ( i ) 51st Research and Development Session of CBIP held at GERI, Baroda on 4th to 7th June, 1983 Participant and Contributor of Research Paper.

- ( ii ) Workshop Earth Dam held GERI on 13th April to 16th April, 1983 Participant and Expert.

2. Damle S. K. Seminar on Model Protoconformity for energy dissipators of spill ways Annual paper meeting organised by GERI and Inst. of Engr (I), (15-17 December, 1983) Chairman of session II of structures Engg. Division.  
 3. Thattey V. S. Course on Non-Destructive testing for profit organised by GSFC and India Metal Association held on 28th to 9th January, 1984 Participant.  
 4. Shroff A. V. ( i ) Workshop on Earth dam design and construction held at GERI 13th April to 16th April, 1983 organised by GERI and Irrigation department, Gujarat State Expert and Participant.  
 ( ii ) 51st Research and Development Session of Central Board of Irrigation and Power held at GERI, Baroda Participant and contribution of Research Paper.  
 on 4th to 7th January, 1984  
 5. Biyani K. R. Course on Non-destructive testing for Profit organised by GSFC and Indian Metal Association held on 28th to 29th January, 1984 Participant.  
 6. Shah S. G. ( i ) Advanced Microprocessor Hardware UCIA extension Programme, USA, October, 1983 Participant.  
 ( ii ) APX 8086/88 Microprocessor Hardware Workshop INTEL Training Centre, USA, November, 1983 Participant.  
 ( iii ) APX 8086/88 Microprocessor Software workshop INTEL Training Centre, December, 1983. USA Participant.  
 7. Mehta J. H. Microprocessor Training Course IIT-Bombay, January-March, 1984 to March 1984 Participant.  
 8. Patel B. A. do I.I.T, Delhi Participant.

*Chemical Engineering :*

9. Divekar M. H. U.G.C. Advanced level school on "Optional Design of thermal System", Delhi Engg. College, 29th May to 18th June, 1983 Participant.

*Metallurgy Engineering :*

10. Gadgeel V. L. ( i ) N.D.T. for Profit, National Seminar Baroda, 28-29th January, 1984 Organising Committee Member.  
 ( ii ) 37th ATM and 21st National Metallurgist's Day Celebration, Varanasi 14-17th November, 1983 of Ind. Inst. of Metals. Participant and Chairman of a Technical Session on Metallurgy.
11. Sundarmurti N. S. ( i ) NDT for Profit National Seminar, Baroda, 28/29th January, 1984 Participant.
12. Agrawal S. K. ( i ) NDT for Profit National Seminar, Baroda, 28/29th January, 1984 Participant.  
 ( ii ) 27th ATM/21st NMD Varanasi, 14th November, 1983 Participant of Ind. Inst. of Metals.  
 ( iii ) I.I.F. Annual Convention, 19/21st March, 1984, Delhi Participant.  
 ( iv ) Workshop on Electron Microscopy on 26th and 27th February, 1984 at Jadavpur Participant.
13. Basa D. K. ( i ) I.I.F. Annual Convention, 19th/21st March, 1984, Delhi Participant.  
 ( ii ) NDT for Profit National Seminar 28/29th January, 1984 Participant.
14. Khurana S. C. NDT for Profit National Seminar, Baroda, 28th/29th January, 1984 Participant.
15. Shah N. M. —do—
16. Joshi P. B. —do—
17. Patel M. N. —do—
18. Lele A. B. ( i ) National Seminar, ' NDT for Profit ' 28th/29th January, 1984, Baroda Participant.  
 ( ii ) Rate Phenomenon in Extrac-Metallurgy Winter School, I.I.T., Kanpur, 5/12th December, 1983 Participant.
19. Dutta S. K. —do— Participant.

*Pharmacy :*

20. Rao K. K. ISTE Winter School on " Biotechnology " Chemical Engineering Department, Faculty of Tech. and Engg., 21st November to 7th Dscember, 1983 Course Faculty Member.
21. Jain N. K. Winter School on Pharmaceutical Sciences L. M. College of Pharmacy, Ahmedabad Participant.
22. Khanna S. M. —do— Participant.

*Applied Physics :*

23. Agrawal P. Workshop on Medical Ultrasonics and Satellite Measurements National Physical Laboratory, New Delhi, March 1-3, 1984 Chairperson of a session; also delivered a Review talk.
24. Dhake K. P. Industrial Testing Techniques Non-destructive and Micro-analysis Anna University, Madras, 2nd-21st May, 1983 Participant.
25. Majmudar N. H. Summar School of Fibre Optics Participant.

*Applied Mathematics :*

26. Agrawal S. R. Winter School on Production. Inventory Management, 12-24, 1983 at I.I.T. Bombay Participant.

*Architecture :*

27. Pramari V. S. National Seminar on Teaching Methods at CASE, Baroda, March, 1984 Participant.

**7. Exhibitions, Performances, Demonstrations etc. at State, National or International Levels:**

1. Navangul A. G. Participated in National level open architectural design Competition for Legislative Assembly Building Project at Madras, sponsored by Government of Tamilnadu October, 1984.
2. Prammar V. S. and Matai A. U. Passive Solar Energy Housing Design Competition sponsored by GEDA, Baroda, March, 1984

**8. National and International Awards and Distinctions etc.**

Name of the Teacher	Description of the Award
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*Textile Chemistry :*

1. Karmakar S. R. Fellow of the Textile Association.
2. Jamadagni R. P. A. T. A. India.

*Applied Mathematics :*

1. Pathak V. D. "Hari Om Ashram Prerit Bhaikaka Inter-University Smarak Trust Prize for 1982-83" for best Research Paper published in 1982 in Mathematics and Statistics.

**9. Visitors**

Name	Designation	Date/s Duration of Visit
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*Civil Engineering Department :*

1. Desai C. S. Director, Engineering Mechanics College of Engineering, University of Arizona, U.S.A. Second week of January, 1984.

*Electrical Engineering Department :*

2. Grysbjerg J. J. Unesco Expert 12 weeks during January-April, 1984.

*Metallurgy Engineering Department*

3. Khangaonkar P. R. Dy. Director, NML Complex, CSIR, Taramani, Madras 6th September, 1984.
4. Thakkar B. S. Midwest College of Engineering, Lombard Ill 60148, U.S.A. 14-10-1983.
5. Mathur P. K. BARC, Bombay 26-28 November, 1983.

*Textile Chemistry Department :*

Prof. (Miss) P. Bajaj, Professor and Head of Textile Technology I.I.T., New Delhi, and Prof. W. B. Achwal, Professor and Head, of Textile Chemistry, University department of Chemical Technology, Bombay University, and Dr. V. N. Sharma, Dyeing-Manager, Nootan Mills, Ahmedabad visited the department and presented their papers.

Name/s	Designation	Date/s Duration of Visit
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*Architecture Department :*

6. Doshi B. V. Ex-Hon. Director and Dean, School of Architecture and Centre for Environmental Planning and Technology, Ahmedabad. 15-10-1983.

**10. Any Activity in the Faculty involving innovation in Teaching/Research**

*Electrical Engineering Department :*

**Visit of Unesco Expert—Shri J. J. Grysbjerg**

Shri J. J. Grysbjerg, Unesco Expert during his 12 week assignment conducted seminar and meetings with the staff. Project work on Exposure Timer using Micropros 8085 was completed, while design using R-6502 was also discussed.

**UNDP Regional Centre for Microprocessor Training and Research**

The equipment in the Regional Microprocessor Training and Research Centre in the Department, established with UNDP Assistance, became operational in February. With the assistance of Field Engineers of M/s. Micronic Devices, Ltd. the work was completed within one month, thus enabling Shri J. J. Grysbjerg to utilise the equipment during his seminars and project work. The centre has Intel Microprocessor Development Systems with extensive software support and 12 system design kits.

*Textile Engineering Department :*

Professor Dipak Kumar De and Shri R.R. Chokshi with Professors Parikh and Shroff of Applied Mechanics carried out a sponsored research (Cemindia Compay Ltd.) on Industrial Fabric.

**11. Any Programme of the Faculty for the benefit of the Community**

*Chemical Engineering Department :*

The following teachers of the department participated in the "Refresher Course for Seminar Operators" conducted by Indian Petrochemicals Corporation.

1. Subrahmanyam N.
2. Moinuddin S.

3. Singh V.
4. Ethirajulu K.
5. Divekar M. H.
6. Dabke S. P.
7. Hathi K. K.
8. Gade V. N.

*Metallurgical Engineering Department :*

- (1) Organised a short term course on "Corrosion in Cooling Water and Steam Generating Systems" jointly with the Indian Institute of Metals, Baroda Chapter for Graduates in Industries dealing with corrosion problems, November 26-29, 1983.

*Textile Engineering Department :*

- (a) About 50 students alongwith six members of staff participated in the conference and exhibition for the 40th All India Textile Conference, Ahmedabad.

*Architecture Department :*

Best works of the students were exhibited for three days for the benefit of the community.

**TPA-I—Training and Placement Activities : 1983-84**

Training and Placement Activities and Guidance in these and related areas were gradually enhanced during the year. Training Programme Schedules and related activities were however, adversely affected by uncertain semester and examination schedules during the year.

**(1) Practical Training**

281 students were deputed for practical training during the summer vacation for approximately four weeks. 26 chemical industries, 19 pharmaceutical industries and research/testing laboratories, 14 mechanical engineering industries, 22 electrical engineering industries, 21 electronics industries, 10 metallurgical engineering based industries, 24 textile industries and 10 textile chemistry and allied organisations offered training facilities from a total of 665 industries contacted for the purpose.

In addition, on request, recommendation letters for practical training were issued to 214 students wishing to arrange training on their own.

**(2) Employment Opportunities**

**(a) Campus Interviews :**

In all representatives of 27 companies visited the Faculty and conducted interviews of 732 students, spread over 36 days. Some companies could not visit us due to own fluctuating schedules, while some companies interviewed students on their premises. Students interviewed were selected from a larger number of students who appeared for the tests/furnished biodata. List of companies and details are shown in enclosure No. 1.

(b) The Indian Navy carried out their preliminary selection of Engineers for entry into Indian Navy under their University entry scheme. A large number were selected for services Selection Board Interviews. The Navy Officers took an opportunity to talk to the students on 'The Role of the Engineer in the Navy'.

**(3) Co-operative Course in Mechanical, Electrical and Metallurgical Engineering**

The four year programme gradually replaced the five year integrated course, and hence resumption of this programme will depend on the overall Government policy, possibility of encompassing total/large section of the student population, clear cut directives regarding financial and other responsibilities, availability of staff and industrial facilities on a continuous basis and readjustment of syllabi-structure, without sacrificing academic content.

**(4) Guidance**

Students availed themselves of this facility and discussed their employment training and related problems and sought guidance in the matter.

*Chemical Engineering Department :*

- (i) A Winter School of "Bio-technology" sponsored by Indian Society for Technical Education was conducted at the department from 21st November to 4th December, 1984, 27 participants from all over the Country including three from Industries participated. Prof. N. Subrahmanyam and Dr. K. Ethirajulu were Co-ordinators of the School.

The Faculty for the lecturers was drawn from the Department as well as from the relevant industries.

- (ii) The staff of the department participated in organising the following seminars

- (a) A half day Seminar on 'Management' of Chemical Projects held at GSFC on 8th September, 1983 under the auspices of Indian Institute of Chemical Engineers Baroda Regional Centre.

- (b) Seminar on 'Chemical Industries in Gujarat-Growth and Potential' held at Ahmedabad on 4th February, 1984 under the Joint auspices of the Baroda Regional Centre and Ahmedabad Regional Centre of Indian Institute of Chemical Engineers.

*Pharmacy Department :*

National Seminar on "Trace Analysis Techniques in Analytical and Pharmaceutical Chemistry"—was held in the Department of Pharmacy during 27-29 July, 1983.. The Seminar was partially sponsored by the U.G.C.

CHAPTER XIII

1. Published Articles Papers

Sr. No.	Names	Title	Name of the Journal wherein published with date of publication
<i>Painting Department :</i>			
1.	Sheikh G. M.	( i ) Viewers Views	Journal of Arts and ideas New Delhi-April-June 1983.
		( ii ) Mobile Vision	Journal of Arts and Ideas New Delhi October December, 1983.
		( iii ) Paroksa, Coomaraswamy Centenary Seminar Papers.	Edited and contributed "Coomaraswamy and Rajput Painting" Lalitkala Akademi, New Delhi, March, 1984.
2.	Pandya R.	( i )	'Samanvay', a monthly from Baroda.
		( ii )	Gujarat State Science Fair Souvenir, Valia, Dist. Bharuch.
<i>Art History Department :</i>			
3.	Parimoo R.	( i ) "Mahaparinirvana of Buddha in Indian Sculpture-An Iconological Analysis"	Studies in Indology, D.C. Sircar Felicitation Volume, New Delhi--1983.
		( ii ) "Dr. H. Goetz and his contribution to studies in Indian Painting.	Reflections on Indian Art and Culture (Kala Kusumanjali) Museum and Picture Gallery, Baroda-1983.
		( iii ) "Kaliya Mardan Krishna Images from South India"	Perspectives in Indian Archaeology, Art and Culture K. R. Srinivasan, Festschrift, Madras, 1983.
		( iv ) The Idea of Form and style in India sculpture in Aspects of Indian Art and Culture.	S. K. Saraswati Commemoration Volume, Calcutta-1983.

## Museology Department :

4. Bedekar V. H. (i) "Determining Exhibit Effectiveness"  
(ii) The Role of Art Museums in India Today.  
Museum Association of India.  
"Srinidhih" Shri K. R. Srinivasan, Festschrift,  
New Era Publication, Madras--1983.
5. Parikh R. T. "Banaskantha Through the ages".  
Chapter in the Banaskantha Gazetteer published  
by Government of Gujarat. March, 1984.

## 2. Published Books and Monographs :

Sr. Name of the Author/s Title of the Book/s Name of the Publisher and year of Publication  
No.

1. Parimoo, R., Panikker, S. "Sculptures of Sheshashayi Vishnu".] M. S. University of Baroda, Baroda, Novem-  
and Turakhia, P. ber-1983.

## 3. Papers presented at Professional level Seminars, Conference etc. :

Sr. Name of the Teacher Theme, Organisor's name, place and Title of the Paper  
No. Dates of the Conference/Seminar

## Department of Painting :

1. Sheikh, G. M. (i) Kasauli Art Camp—Kasauli (H.P.) May "Cinema and Arts".  
1983.  
(ii) Gujarati Sahitya Parishad, Ahmedabad, "Marxism and Literary/Art Criticism".  
July 16-17, 1983.  
(iii) Vishwabharati University, Kalabhavan, "Mobile Vision".  
Nandlal Centenary Seminar—Shantinike-  
tan, March 17-19, 1983.  
(iv) NID Faculty Forum—Ahmedabad, Jan. 7, "Cultural Resources in Design".  
1984.  
(v) Gujarati Department M.S.U., Baroda, 16th "Narrative in Literature and Art".  
March, 1984.

## Art History Department :

2. Parimoo, R. (i) The Nandlal Bose—Centenary Seminar "Paintings of Nandlal Bose—Stylistic phases".  
Organised by U.P. State Lalit Kala Aka-  
demi, Lucknow, December, 1983.  
(ii) —do— "Influences of Indigenous Factors in Contempo-  
rary Indian Art".  
(iii) —do— "Enlightenment of Buddha as depicted in sculp-  
ture : an Iconological analysis".

## Museology Department :

3. Bedekar, V. H. Annual Conference of the Museum Association Read a paper and Chaired one session.  
of India, Craft Museum, New Delhi—April, 1983.

## 4. Talks of academic nature given at different Universities/Professional Institutions :

- Sr. Name of the Teacher University/Institution Title of the Lecture  
No.
1. Parimoo, R. (i) Kalabhavan, Vishwabharati Santiniketan, Life of Buddha in Indian Sculpture.  
January, 1984. Sculpture of Sheshashayi Vishnu.  
(ii) Banaras Hindu University, Varanasi, Janu-  
ary, 1984.  
(iii) Punjab University, Chandigarh, March, Picture-Puzzles of Bihari Satsai painted by  
Jagannath.
2. Pandya, R. (i) Government Polytechnic for Girls, Surat. Slide show and Lecture on "Art in Advertise-  
ment".  
Lecture on Sculpture.
3. Kaneria, R. R. —do—

5. Participation in Professional Programme, Workshop, Summer School etc. :

180

Capacity in which participated

Programme, Place and Date

Sr. Name of the Teacher

No.

- |    |             |   |  |
|----|-------------|---|--|
| 1. | Parinoo, R. | UGC National Seminar on Impact of Vaishnavism on Indian Arts", from Nov. 28-Dec. 3, 1983. Read a paper on "Some thought on the Vishvarup Vishnu Image".   | Seminar Director                           |
| 2. | Dave, P. H. | ( i ) Workshop on Puppetry in Education for trainees, Aganwadi workers training Centre, Vaghodia—March, 10th, 1984.<br>( ii ) Workshop cum working group conducted by National Council of Educational Research and Training held at the Indian Institute of Education, Kothrud, Pune, Mar. 26-30, 1984.<br>( iii ) On the working group to prepare a programme and instructional material for "Mothers from Underprivileged Section of the Community". Sponsored by Community Science Centre, Vadodara—Feb. 25-27, 1984.<br>( iv ) Training course sponsored by NCERT for the Teachers Educators of Gujarat, Dept. of Child Development, Faculty of Home Science, June, 1983. | Conductor<br>Expert<br>Expert<br>Conductor |

6. Exhibitions, Performance, Demonstrations, etc. at State, National or International levels :

1. Patel, K. G. ( i ) Exhibition of Ceramics at Jaipur Art College, Feb. 27-29, 1984.  
( ii ) Demonstration to students at Jaipur Art College, 28th and 29th February, 1984.
2. Shah, V. C. Participated. National Exhibition of Art—New Delhi. All India Fine Arts and Crafts Society Gujarat Lalit Kala Exhibition, Chandigarh Art Exhibition of Drawing.
3. Kaneria, R. R. One man show of sculptures at Jahangir Art Gallery, Bombay.
4. Bhatt, G. C. ( i ) Participated in Gujarat State Lalitkala Exhibition.  
( ii ) Attended Gujarat Artist Camp, organised by Gujarat Lalitkala Akademi.
5. Shah, R. P. One man Exhibition of collection of Postal Stamps illustrating History, Archaeology, Fine Arts and Natural History Themes on 25th to 28th February, 1984, in Faculty of Fine Arts, M. S. University of Baroda.

7. National and International Awards and Distinctions :

- | Name of the Recipient<br>Teacher/Non-Teacher/Student | Description of the Award  |
|--|---|
| 1. Patel, Jeram R.                                   | National Award of Rs. 10,000, of painting, organized by the Lalit Kala Akademi—New Delhi. 1984.   |
| 2. Sheikh, G. M.                                     | ( 1 ) Appointed member of Art Education Re-organizing Committee, Government of Madhya Pradesh—1983.<br>( 2 ) Appointed member, Expert Committee to advise the Government of India on the condition and preservation of European works of Art—March-April, 1984. |
| 3. Khatri, G. H.                                     | ( 1 ) Asia and Pacific Photo contest, Japan—IInd Prize.<br>( 2 ) Nikon International photo contest, Japan—1983-84. Honourable Mention.  |
| 4. Shah, V. C.                                       | Awarded certificate of merit for Children's book Design from the National Book Trust—1984.  |
| 5. Kaneria, R. R.                                    | Awarded Yakult prize at 8th Photo contest in Asia and the Pacific by UNESCO Tokyo, Japan.   |

Students :

- ( a ) Pushpmala, N. Sculpture Department, National Exhibition award of Rs. 10,000, in the category of Sculpture, organized by the Lalit Kala Akademi, New Delhi.
- ( b ) Shah, Y. H. Sculpture Department, prize in annual exhibition of Gujarat State Lalit Kala Akademi.
- ( c ) Rana, K. Prize in Painting competition in Youth Festival—M. S. University of Baroda.
- ( d ) Patnaik, R. Received prize in Andhra Pradesh Lalitkala Akademi.

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8. Visitors :

Painting Department :

- ( i ) Seven Artists from West Germany including Peter Nagel, Arved Gorella, Johannes Brus and Hinnerk Schrader visited the Faculty and conducted Workshops, showed slides and gave demonstrations of work, 16-18 September, 1983.
- ( ii ) Ms Elaine Goodwin from Exeter ( U. K. ) visited this Faculty and conducted a workshop on mosaic and completed a mosaic-mural with students, 7 to 14th Dec., 1983.

9. Any activity in the Faculty involving innovation in teaching/research :

Dr. S. M. Nair, Director, National Museum of Natural History, Government of India, delivered a series of five lectures in the Department of Museology including one on " The role of the Natural History Museums in Environmental Education ".

Shri N. K. Sant ( Reader in Applied Art ):

Completed his Research Project—Pictorial Illustration for Visual Communications in India—under a UGC grant.

Conducted a Poster Design Workshop for non professional service organization participants, jointly with Baroda Productivity Council, Baroda—in September, 1983.

Conducted a 4 day Poster Design Workshop at Rajasthan Government Art School—Jaipur in January, 1984.

Shri R. M. Pandya ( Reader in Painting ):

Working on the Research and Documentation Programme under UGC Research Grant, Completed work at Hampheshwar, Bhilapur and Vadtal, Nadiad, Bakrol and Umreth in Kheda District.

15 post graduate students led by Prof. G. M. Sheikh toured Shekhawati region of Rajasthan from 8-2-1984 to 15-2-1984 to study the murals. An extensive documentation of the murals was made in black and white and colour.

The Faculty of Fine Arts held the Fine Arts Fair on 24th to 25th December, 1983.

10. Any programme of the Faculty for the benefit of the Community :

Miss K. G. Patel conducted a Summer course in Handmade Pottery and Batik and Textiles sponsored by the Adult Education Centre, M. S. University of Baroda—6th June, 1983.

11. Any Activity of Academic/Social significance organised in or by the Faculty not included under previous items :

- R. M. Pandya executed with six students two murals in Mosaic at the Vidyakunj Vidyalaya, Baroda.
- Prof. Parimoo was appointed a member of the UGC Pay Scale Review Committee.

CHAPTER XIV

1. Published Articles/Papers :

Sr. No.	Name/s	Title	Name of the Journal wherein published with date of Publication
<b>Child Development :</b>			
1.	Verma, Amita	Planning for Women and Children—" A Home Science Point of View ".	J.MSU ( Social Science ), Vol. XXX, No. 2, 1981, pp. 127-133 ( issue published in 1983 ).
2.	Verma, Amita and Saraswathi, T. S.	The Child Development Curriculum and its relevance to job competencies expected in the field.	<i>Journal of Higher Education</i> , Vol. 9, No. 1, 1983.
3.	Mistry, Veena	Preventing school-Failure : The relationship between pre-school and Primary Education.	Proceedings of the Workshop on pre-school Research I.D.R.C. Publication 172-C, 1983.
4.	Mistry, Veena and Bakshi, Anuradha	Won't you talk with me?	<i>Balak</i> Vol. VII, No. 3, February, 1984.
5.	Pathak, Yogini	Present status and Forms of Pre-school Education.	ICCW News Bulletin 31 (8) Sept., 1983, pp. 4-11.
6.	Mohite, Prerna	Language curriculum for Pre-school Children.	<i>Child Psychiatry</i> , Oct., 1983.

## Clothing and Textiles :

7. Chaukar, B. N. A study of simulated laundry abrasion of textiles  
Some aspects of resin finishing.
8. Chaukar, B. N. and Achwal, W. B. A study of effect of slow rate of abrasion by coir  
on physical properties of textiles.
9. Chaukar, B. N. and Soni, K. A study of removal of soil from cotton and wool  
blend fabrics with cleaning agents under different  
conditions.
10. Chaukar, B. N. and Sharma, V. A study of handwoven textiles of Assam.
11. Patel, S. I. and Bargohain, M. A study of ready-made garment manufacturing  
units of selected cities of Gujarat.
12. Balakrishnaiah, B. and Patel, H. Historical evolution of Kalamkari.
13. Thomas, A. and Pant, B. A study of clothing conformity/nonconformity,  
security/insecurity of students of faculty of Home  
Science.
14. Thomas, A. and Khurana, B. A study of techniques used to decorate the cos-  
tumes of Bohra Women.
15. Thomas, A. and Bajowala, M. A comparative study of pilling tendency of  
cotton and polyester cotton blend fabrics after a  
certain degree of abrasion.
16. Phadke, S. M. and Vyas, K. A study of Bagra Printing.
17. Phadke, S. M. and Sharma, A. A study of handmade carpets, durries and Khes  
of Panjab.
18. Phadke, S. M. and Virk, R. A study of hand knitted samples of different pat-  
terns for their elongation.
19. Phadke, S. M. and Kunzru, V.

## Education and Extension :

20. Chandra, Arvinda R. Population Education for College students. *University News*, July, 1, 1983.
21. Chandra, Arvinda R. Selected Social Norms of Home Science stu-  
dents. *Journal of Higher Education*, Spring, 1983.
22. Shah, Anupama and Caetanlal, Neera. Relative effectiveness of graphic aids and project-  
ed aids etc. in teaching food and digestion, Baroda
23. Shah, Anupama and Singh, Rita. Level of satisfaction of teachers and students. *Journal of Education and Psychology*, October, 1983.
24. Paralikar, Kalpana. Non-Tuition Expenditure pattern of under  
graduate students. *Journal of Education and Psychology*, January, 1984.

## Home Management :

25. Ogale, N. and Khanna, Indrajeet. Participation of Husbands in Household activi-  
ties in Baroda and Ludhiana. *The Indian Journal of Home Science*, Vol. 15, No. 1, pp. 19-22.
26. George, Rachel, and Ogale, Nalini. Energy Conservation practices of Households of  
Baroda. *The Indian Journal of Home Science*, Vol. 15, No. 1, pp. 33-38.
27. Gandotra, V. Energy Conservation Practices of Urban Home-  
makers. *P.C.R.A. Technical Information service Bulletins*,  
July, 1983.

## Foods and Nutrition :

28. Gopaldas, Tara, Inamdar, F. and Patel, J. B. Malted Vs Roasted young child mixes; Viscosity,  
Storage and Acceptability trials. *Journal of Nutrition and Dietetics*, Vol. 19, pg. 327  
(1982), (Issue published in 1983).
29. Gopaldas, Tara and Seshadri, Subadra. Nutrition in Medical Education. *Bulletin of Nutrition Foundation of India*, (Octo-  
ber, 1983).
30. Gopaldas, Tara, Patel, J., Nanavaty, K., Trivedi, N., Mehta, P., Dr. Kantak, S. and Patel, U. Training the Trainer in Relevant and Specific  
Nutrition Health Education (NHE) : Develop-  
ment of a Low cost and effective Communica-  
tion Model. *Indian Pediatrics*, Vol. 20, pg. 843, (Nov. 1983).

31. Gopaldas, Tara  
A case for introducing Nutrient inputs and Disinfestation measures in the Mid-Day-Meal (MDM) programme.  
The Phenomenon of Sanskritization in a forest Dwelling Tribe of India.
32. Gopaldas, Tara  
Gupta, Anjali and Saxena, Kalpana  
Nutrition Impact of Anti-Parasitics, Prophylactic Vit.-A and Iron folic acid on under-Privileged Indian School Girls.
33. Gopaldas, Tara,  
Raghavan, Rama  
Kanani, Shubda  
An Exploratory study to Investigate the Nutritional Impact of selected Nutrient and Health Inputs on School Children, (Boys 5-13 yrs.).
34. Seshadri Subadra  
and Gopaldas, Tara  
Antidiabetic Drugs and Serum Lipid Profile in Diabetic Patients.
35. Mehta, Pallavi  
*Arogya*: Journal of Health Science, Vol. 9, pg. 125, 1983.

## 2. Published Books and Monographs :

Sr. No. Name of the Author/s Title of the Book/s

Name of the Publisher and year of Publication

### Education and Extension :

1. Shah, Anupama and Joshi, Alka  
Bibliography of Home Science books/booklets written for India.  
Faculty of Home Science, M. S. University Press, Baroda-2, March 1984.

### Home Management :

2. Ogale, Nalini and Thomas, St. Mary  
Managerial Process in Action—A Study among Oraon Tribal Families.  
Research Bulletin, No. 1, M. S. Uni. of Baroda, April, 1983.

### Foods and Nutrition :

3. Gopaldas, Tara  
Complementary and Supplementary food for Young Child feeding at the Household, Community, Programme and Industrial Levels.  
M. S. University, Monograph 1983.
4. Gopaldas, Tara and Seshadri, Subadra  
Studies on Knowledge and Practices of Medical students and practitioners related to normal and therapeutic nutrition concepts of the young child (0-6 years)

### 3. Papers presented at Professional level, Seminars, Conferences etc. :

Sr. No. Name of the Teacher Theme, Organisor's name, Place and Dates of the Conference/Seminar

Title of the Paper

### Child Development:

1. Verma, Amita  
(i) Training of Functionaries of Institutions for children in need of care and protection, Ministry of Social Welfare, Madras, June 28-July 1, 1983.  
(ii) Pre-School Education, World Organization for Pre-school Edu. Geneva, Switzerland, 15th-21st Aug., 1983.
2. Mohite, Prerna  
Teacher Education, N.C.E.R.T., New Delhi, 22nd-29th Nov., 1983.
3. Parikh, Jyoti  
(i) Role of play in child Development NIPCDn, New Delhi, 14th-18th Nov., 1983.  
(ii) Conference of the All India Occupational Therapists Association, Medical College, Baroda, 7th-9th January, 1984.
4. Parekh Kiran,  
Child Development and Early childhood Education, NCERT, New Delhi, 14th-16th March, 1984.
- (i) Researches in Infancy-Implications for Institutional Care.  
(ii) Child Care and Health in the Indian Setting.  
Problems and Issues in training the teachers for a progressive Model.  
(i) Mental Health through Recreation for Disabled children.  
(ii) Tear approach in treatment of mentally handicapped children.  
A study determining the effects of Learning abilities of pre-school children.

5. Shah, Ameeta  
(i) Literature for children, I.A.P.E., Hissar, 9th 11th March, 1984.  
(ii) Child Devt. and Early Childhood Education, NCERT, New Delhi, 14th-16th March, 1984.
6. Dave, Aruna  
Child Devpt. and Early Childhood Education, NCERT, New Delhi, 14th-16th March, 1984.
7. Kapoor, Neena  
(i) Literature for young child from IAPE, Hissar, 9th-11th March, 1984.  
(ii) Child Devt. and Early Childhood Education, NCERT, New Delhi, 14th-16th March, 1984.
8. Kapoor, Neena and James, Nalini  
Indian academy of pediatrics, Nadiad, 26th February, 1984.
9. Achhpal Beena  
Child Development and Early Childhood Education, NCERT, New Delhi, 14th-16th March, 1984.
10. Misra, Nirmala  
Child Devpt. and Early Childhood Education, NCERT, New Delhi, 14th-16th March, 1984.
11. Dave, Parul  
Dept. of Sociology, Baroda 8th March, 1984.
- Education and Extension :**
12. Chandra, Arvinda  
The 79th Indian Science Congress Association Mesra, Ranchi, 3-8th Jan. 1984.
13. Parlikar, Kalpana  
(i) —do—  
(ii) National Seminar on Trends and Methods of Teaching and Educational Technology, Indian Association of Universities, Madras 21st-24th September, 1983.

(iii) 3rd Convention of the Home Science Association Gujarat Branch, Ahmedabad, 11th March, 1984.

14. Patil, Asha  
Seminar on Training for Agricultural and rural development, by A.I.R.I. Hissar, 12-14th April, 1983.
15. Thomas, Anita  
Seminar on Women and Development by NIPCCD at Lucknow 9-11th February, 1984.
16. Joshi, Uma  
Seminar on Women and Development organized by NIPCCD at Lucknow 9-11th Feb., 1984.
17. Joshi, Uma  
3rd Convention of the Home Science Association Gujarat Branch, Ahmedabad, 11th March, 1984.

**Home Management :**

18. Ogale, Nalini  
(i) Housing in India U.G.C.—sponsored National Seminar K. R. College for Women, Department of Home Science, Gwalior 21st-23rd Nov., 1983.  
(ii) Family Resource Management Orientation and prospects—U.G.C. sponsored National Seminar organised by Dept. of Family Resource Management.
19. George, R.  
(i) 71st Indian Science Congress Ranchi 3rd-8th January, 1984.  
(ii) Concerns of Home Scientists in Gujarat. Fourth Annual Conference of the Gujarat Branch of Home Science Association of India, Ahmedabad 11th March, 1984.  
(iii) National Solar Energy Convention Baroda, 15th-18th December, 1983.

Teachers' training and concern of Home Scientist in Education and National Development with special reference to rural development.

Developmental Activities for rural women.

Social Trend and curriculum improvement a major concern.

Educating Women for upliftment: A systems Approach.

Teacher Education: an important concern of Home Science.

(i) Housing problems of urban population.

(ii) Education of consumer for Decision Making.

(i) Research in Home Management.

(ii) Ecological Issues.

(iii) The impact of Solar Technology on Domestic Units.

20. Stinivasan K. (i) Concerns of Home Scientists in Gujarat Fourth Annual Conference of the Gujarat Branch of Home Science Association of India, Ahmedabad, 11th March, 1984.
- (i) Home Management Training for the Blind, National Institute for Visually Handicapped, Dehra Dun 15th-19th November, 1983.
- (ii) 71st Indian Science Congress at Ranchi--3rd-8th Jan. 1984.
- (iii) Concerns of Home Scientists in Gujarat Fourth Annual Conference of the Gujarat Branch of Home Science Association of India Ahmedabad 11th March, 1984.
22. Dass Asha V. Concerns of Home Scientists in Gujarat Fourth Annual Conference of the Gujarat Branch of Home Science Association of India, Ahmedabad, 11th March 1984.
- (i) Dynamism in Curriculum content : its scope and limitations.
- (i) Simplification of Home making talks.
- (ii) Research in Home Management : A New Outlook.
- (iii) Home Management for the Blind.
- Housing and Sanitation in the slums of Gujarat—A concern of Home Scientists.

*Foods and Nutrition :*

23. GopalDas Tara, Seshadri S. and Gujral Sunder  
24. GopalDas Tara  
25. GopalDas Tara, Kanani S. and Raghavan Rama
- International Nutritional Anemia Consultative Group, New Delhi, April 1983.
- Weaning Foods, UNICEF and College of Home Sciences, Hyderabad, Jul. 1-2; 1983.
- Expert's meeting on "School feeding Programmes Including Mid-Day-Meal", National Institute of Nutrition, Hyderabad, Aug. 6-7; 1983.
- Intervention strategies to combat Nutritional Anemia in the School Balwadi and Community setting.
- Complementary and supplementary foods for young child feeding at Household Community programme and Industrial Levels.
- A case for Introducing Nutrient inputs and disinfection measures in the Mid-Day-Meal Programme.

26. GopalDas Tara  
and Neeru

IV Asian Congress of Nutrition Bangkok, Thailand, 1st-4th Nov. 1983.

Habits, Beliefs and consumption practices of a culturally acceptable mother food in Western India.

27. GopalDas Tara  
and Nanavaty K.

Nutrition and Development Silver Jubilee Celebrations of Lady Irwin College, New Delhi, October, 1983.

Upper class working Women and Adequate Nutrition for the family.

28. Gujral Sunder  
and Patel A.

IV Asian Congress of Nutrition at Bangkok, Thailand 1-4 Nov. 1983.

Parasitic Infestation, Disinfestation or iron therapy and hemoglobin status; behavioural development of 3-9 year old slum children.

29. Gujral Sunder

Macrovascular Structure and Nutrition in Diabetes Mellitus, Osmania Medical College, Hyderabad, 20th January, 1984.

Role of Dietary Fiber in Diabetes Mellitus.

30. Joshi Urmila

Liver Glucose 6 phosphatase activity and histology of wheat bran fed diabetic rats.

31. Seshadri,  
Subadra,  
Mittal N. and  
Shah A.

IV Asian Congress of Nutrition at Bangkok, Thailand, 1st to 4th Nov., 1983.

Effects of Ascorbic acid supplements on the Hematological status of young Anemic children.

32. Kanani S.  
and GopalDas Tara

IV Asian Congress of Nutrition at Bangkok, Thailand, 1-4th Nov. 1983.

Impact of iron-folate, mega Vitamin-A and Disinfestation measures on Hemoglobin levels of male Mid-Day-Meal Beneficiaries (5-13 years).

33. Shah Alka and  
Seshadri S.

(i) IV Asian Congress of Nutrition at Bangkok, Thailand, 1st-4th Nov. 1983.

Ionizable Iron in the Diets of Anemic and Non-anemic young children given food supplements.

(ii)

XVI Annual meeting of the Nutrition Society of India, Delhi, 7th and 8th October, 1983.

Bioavailability of iron from Diets as consumed by preschool children in Baroda.

34. Seshadri  
Subadra

Nutritional Anemia in children.

Seminar on anemia and women's health, Vikram Sarabhai Community Science Centre, Ahmedabad, 24-25th March 1984.

## 4. Talks of academic nature Given at different Universities/Professional Institutions.

Sr. No.	Name of the Teacher	University/Institution	Title of the Lecture
<i>Child Development :</i>			
1.	Verma Amita	(1) Sri Venkateshwar University Tirupathi	(a) Present trends and future perspectives in early childhood education. (b) Family Life Education in Home Science Colleges. (c) Training of Preschool Personnel in Home Science Colleges. Competency based Approach.
(2)	Sri Avinashlingam College of Home Science, Bharatiyai University, Coimbatore.	(2)	Research, Curriculum and Community Sources services in Human Development and Family studies: An integrated approach.
(3)	Lady Irwin College, New Delhi.	(3)	Community based Action Research in Child Development.
(4)	All India Institute of Medical Sciences, New Delhi. National ICDS Convention 12th Nov. 1983.	(4)	Child Development as the beginning of Human Resources Development.
2.	Pathak Yogini	(1) State Institute for Education, Ahmedabad.	(1) Problems of Rural Balwadi and Possible Solutions.
3.	Dave Aruna	(2) Community Science Centre, Baroda. Community Science Centre, Baroda. 6-12-83.	(2) Child Health. Child Growth and Development
4.	Shah Amreta	(1) Friends Society, Baroda. (2) Community Science Centre, Baroda.	(1) Importance of Couple Communication in Family Planning. (2) Child growth and Development 96-years.
5.	Parikh Jyoti	K. L. Institute for Teacher Training, Bahv agar.	(1) Understanding a deaf child. (2) Language devpt. of speech impaired children. (3) Guiding parents of speech impaired children.
6.	Shah Sureshi	Community Science Centre, Baroda.	Health and Hygiene.
7.	Kapoor Neena	Convent of Jesus and Mary Baroda.	Psychological aspects of pre-school children.
8.	Mohite Prerana	Rotary Club, Zenith High School, Baroda.	Issues related to Child Development.
9.	Mistry Veena	Navrachana High School Baroda.	Building bridges between parents and school with special reference to children learning.
<i>Education and Extension Department :</i>			
1.	Joshi Uma	A workshop for nursery school teacher trainers sponsored by NCERT, organized by Child Development Department, Faculty of Home Science, Baroda.	Steps in Media Development.
2.	Paralikar K.	Baroda Citizens Council, Baroda. Baroda Management Association, Baroda.	Vocations in Home Science. Management of Home.
3.	Chandra Arvinda	G. M. Girls High School, Unza.	Home Science as a Vocation.
<i>Home Management Department :</i>			
1.	Ogale N.	Baroda Management Association 9th March, 1984.	Importance of Family Resource Management with reference to Human Energy.
2.	Nadvi Salma	Baroda Management Association March, 1984.	7th Dressings of windows.
3.	Srinivasan K.	Baroda Management Association March, 1984.	"Creating consumer services for better Home Management".

**Foods and Nutrition Department :**

1. Gopaldas Tara (1) Viharilal College of Home Science, (1) Supplementary and complementary feeding of the young child. Calcutta.
- (2) All India Institute, Calcutta. (2) Training the trainer in Nutrition-Health Education. (NHE).
- (3) University College of Science. (3) The Under privileged school child and his nutritional status.

**5. Participation in Professional programme, Workshops, Summer School etc. :**

Sr. No.	Name of the Teacher	Programme, Place and Date	Capacity in which participated
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**Child Development :**

1. Verma, Amita Workshop-Theatre as a Means of Communication, C. D. Dept. 9-10 March, 1984.
2. Parekh, Kiran (1) Training Workshop for Teacher Education in Early Childhood Education, C. D. Department, 16th June to 14th July, 1983. Director
- (2) Inspection of pre-primary training institutions in Gujarat. Panel member
- (3) Afro-Asian Conference on the Role of play in Child Development, New Delhi, 14th-18th Nov., 1983. Participant
- (4) Workshop theatre as a means of communication, C. D. Dept., 9th-10th March, 1984. Organizer and Participant
- (5) Education of Children's Books, Toys and Educational Play Materials, C. D. Dept., 2nd-4th March, 1984. Jt. Organizer.
3. Mistry, Veena (1) Workshop on Cognitive-Development in Early Childhood Education, Hissar 26th-28th October, 1983. Resource person
- (2) Workshop-Theatre as a means of communication, C. D. Dept., 9th-10th March, 1984. Participant
- (3) Training Workshop for Teacher Educators in Early Childhood Education C. D. Department 15th June-14th July, 1983. Resource person
- (4) Exhibition of children's books, Toys and Education Play materials, C. D. Dept., 2nd-4th March, 1984. Jt. Organizer

## 4. Dave, Parul

- (1) Orientation and training of Teacher's in Women studies, Participant Bombay, 28th-Nov.-18th Dec., 1983.
- (2) Workshop-Theatre as a means of communication, C. D. Dept., Participant 9th-10th March, 1984.
- (3) Training workshop for Teacher Educators in Early Childhood Education; C. D. Department, 15th June-14th July, 1983. Resource person
- (4) In-service training program for health functionaries, Dahod, Organizer November, 1983.
- (5) Adolescent counselling, Baroda. Chairperson

## 5. Parikh, Jyoti

- (1) Afro-Asian Conference on the Role of play in Child Dept. New Delhi, 14th-18th Nov., 1983. Delegate
- (2) Workshop-Theatre as a means of communication, C. D. Department 9th-10th March, 1984. Participant
- (3) Exhibition of Children's Books, Toys and Education Play materials, 2nd-4th March, 1984. Jt. Organizer

## 6. Pathak, Yogini

- (1) 71st Indian Science Congress, Ranchi, January, 1984. Convener
- (2) Workshop on preparation of Instructional Material for Science Experiences for Young Children, Baroda, 27th-29th February, 1984. Participant

## 7. Dave, Aruna

- (3) Workshop Theatre as a means of Communication, C. D. Department, 9th-10th March, 1984. Participant
- (1) Workshop-preparation of books for children from indigenous material, Hissar, 9th-11th March, 1984. Expert
- (2) Workshop-preparation of instructional Material for Science Experiences for young children, Baroda, 27th-29th Feb., 1984. Participant
- (3) Workshop Theatre as a means of communication, C. D. Department, 9-10th March, 1984. Participant

- (4) Exhibition of Children's Books, Toys and Edu. Play materials, C. D. Dept., 2nd-4th March, 1984. Jt. Organizer
- (5) Workshop in 'Story-telling' Baroda, 6th March, 1984. Resource person

## 8. Shah, Anameta

- (1) Training workshop for Teacher Educators in Early Childhood Education, C. D. Department, 15th June-14th July, 1983. Jt. Organizer
- (2) Workshop-Theatre as a means of communication C. D. Department, 9th-10th March, 1984. Resource Person Participant

9. Kapoor, Necna  
(1) Workshop-Theatre as a means of communication, C. D. Dept-  
9th-10th March, 1984. Participant  
(2) Workshop preparation of instructional materials for Science  
Experiences for young children, February, 1984, Baroda. Participant
10. Mohite, Purna  
(1) Training Workshop for Teacher Educators in Early Childhood  
Education, C. D. Department, 15th June-14th July, 1983. Resource person  
(2) Workshop-Theatre as a means of Communication, C. D. Dept.,  
9th-10th March, 1984. Participant
11. Mistra, Nirmala  
(1) Training Workshop for Teacher Education in Early Childhood  
Education, 15th June-14th July, 1983, C. D. Deptt. Jt. Organizer and Resource  
person  
(2) Workshop-preparation of Instructional Materials for Science  
Experiences for young children, Feb. 1984, Baroda. Participant  
(3) Workshop theatre as a means of communication. Participant  
(4) Workshop on story-telling, Baroda, 6th March, 1984. Resource person
12. James, Nalini  
(1) Workshop-Theatre as a means of communication, C. D. Depart-  
ment 9th-10th March, 1984. Participant  
(2) Workshop on counselling, C. D. Department, Sept. 1983. Participant
13. Achhpal, Beena  
(1) Workshop on 'Developing a supplementary Reader for Adoles-  
cent Reader for Adolescent girls, N.C.E.R.T. New Delhi, 8th-  
12th Feb., 1984. Participant  
(2) Workshop-Theatre as a means of Communication, C. D. Dept.,  
9th-10th March, 1984. Participant
14. Arassana, Sumita  
(1) Workshop-Theatre as a means of communication, C. D. Dept.,  
9th-10th March, 1984. Participant  
(2) Workshop on "Counselling" C. D. Dept., Sept. 1983. Participant
15. Shah, Sukeshi  
(1) Training workshop for Teacher Educators in Early Childhood  
Education, C.D. Department, 15th June-14th July, 1983. Jt. Organizer and  
Person Resource  
(2) Workshop-Theatre as a means of communication, C. D. Dept.,  
9th-10th March, 1984. Participant
16. Trivedi, Swati  
(1) Workshop-Theatre as a means of communication, C. D. Dept.,  
7th-10th March, 1984. Participant
17. Bhagia, Dropti  
(1) Workshop-stimulating language creativity in children, Hissar  
9th-11th March, 1984. Resource person  
(2) Workshop-Theatre as a means of communication, C. D. Dept.,  
9th-10th March, 1984. Participant  
(3) Workshop on 'Story-telling' Baroda, 6th March, 1984. Resource person  
(4) Training program for Teacher Educators in Early Childhood  
Education, C. D. Dept., 15th June-14th July, 1984. Jt. Organizer and  
Resource person
18. Hakim, Virbala  
(1) Training program for Teacher Educators in Early Childhood  
Education, C. D. Dept., 15th June-14th July, 1984. Resource person  
(2) Workshop-Theatre as a means of Communication, C. D. Dept.,  
9th-10th March, 1984. Participant
- Clothing and Textiles :**
19. Balakrishnaiah  
40th All India Textile Conference, Ahmedabad, 18-20 Dec. 1983. Delegate
- Education and Extension :**
20. Chandra, Arvinda  
Gujarat State Workshop on developing skill components of H.S.C.  
courses in Vocational stream, Vallabh Vidyanagar, 15-16 April, 1983. Participant
21. Parlikar, Kalpana  
1st Afro-Asian Conference on roles of play in Child Development,  
Delhi, Oct. 25-27, 1983. Participant
22. Joshi, Uma and  
Thomas, Anita  
Seminar on Women and Development, Lucknow, 10th Feb. 1984. Participant
23. Parlikar K., Joshi,  
Uma, Patil, Asha,  
Pande, Manisha and  
Joshi, Alka  
Conference of Home Science Association of India, Gujarat Branch,  
Ahmedabad, 12th March, 1984. Participant
24. Pande, Manisha  
Workshop on Teaching Units in productivity education in N. C. Delhi. Participant

**Home Management :**

25. Gandotra, V.

Workshop on Home Management Training for Blind Dehra Dun 15th-19th November, 1984.

Chaired all the sessions for developing the syllabus

**Foods and Nutrition :**

26. Gopaldas Tara

- (1) UGC Sub-Committee on Food Service Management and Dietetics, Avinashlingam Home Science College Coimbatore, Feb. 1984.
- (2) Supplementary Feeding Programme (Including Mid-Day-Meal Programme) National Institute of Nutrition, Hyderabad, Aug. 1983.
- (3) Task force on relevance in Nutrition Health Education, ICMR, New Delhi May, 1983.
- (4) XVI Annual meeting of Nutrition Society of India, Delhi, 7th-8th October, 1983.

(1) Member

(2) Expert

(3) Member

(4) Chairperson of free Communication section

27. Gujral S.

XVI Annual meeting of the Nutrition Society of India, Delhi Oct. 1983.

Observer

28. U. V. Mani

(1) XVI Annual meeting of the Nutrition Society of India, Delhi, Oct. 1983.

(1) Observer

(2) Plant Tissue and Cell Culture sponsored by Department of Science and Technology Department of Botany, M. S. University of Baroda, 10th-24th Nov. 1983.

(2) Participant

29. Tuteja S. K.

Mobilization of Youth for Child Development, organized by National Institute of Public Cooperation and Child Development New Delhi, March, 1984.

Participant

**6. Exhibitions, Performances, Demonstrations etc. at State, National or International levels.****Child Development**

1. An exhibition cum sale of Children's Books Toys and Educational Play material was held from 2nd-4th March, 1984. The organization of the exhibition was a collaborative effort of the Department of Child Development, Bal Bhavan Society and Indian Association of Pre-School Education (Baroda Branch).

14 publishers and 27 manufacturers of toys and play materials participated in the exhibition. A directory of book publishers and manufacturers of toys and play materials was published and released simultaneously.

2. "Bhoomija", a dance drama, produced and directed by Prof. Chandrashekhar, Head, Department of Dance, M. S. University, was staged by the department on the occasion of the institution of the Alumni Achievement Award on 9th July, 1983.

**7. National and International Awards and Distinctions**

Name of the Recipient  
Teacher/Non-Teacher/Student

Description of the Award

**Child Development**

1. Verma Amita
- (a) U.G.C. National Professor.
- (b) Nominated by the Government of India, Ministry of Education to review pre-school education and child institutions in Czechoslovakia.
- (c) Invited by Ministry of Education Government of Vietnam, Hanoi to participate as a resource person at a Seminar on Pre-school Education Reforms in Vietnam. (Unicef Consultant).
2. Saraswathi T. S. Fulbright Fellowship to pursue work at Cornell University, U.S.A.
3. Mistry Veena U.G.C. Visiting fellow at S.N.D.T. College of Home Science, Poona.
4. Pathak Yogini Convenor, Home Science Forum (1984-85) Indian Science Congress.

**Foods and Nutrition**

1. Shah Alka/Student
  - ( i ) Best paper in the experimental nutrition for the year 1983, instituted by the Nutrition Society of India.
  - ( ii ) Smt. Maniben Ranchhodbhai Award in M.Sc. (Nutrition) for the year 1983.
2. Seshadri Subadra/Teacher  
The Shri Hari Om Ashram Prerit Bhaikaka Inter-University Smarak Trust for the best published paper in Nutrition, for the year 1983.

**8. Visitors**

Sr. No.	Name	Designation	Date/s/Duration of the Visit
---------	------	-------------	------------------------------

**Child Development**

- |    |                         |  |                     |
|----|-------------------------|--|---------------------|
| 1. | Ramdev                  | Consultant to NICCD  | 5th Aug., 1983.     |
| 2. | Panday                  | Consultant to NICCD  | 5th Aug., 1983.     |
| 3. | Vasta M. C.             | Medical Consultant to Family Planning Association of India | 6th February, 1984. |
| 4. | M. A. Dattobhay         | Executive Officer Agakhan Foundation (India)               | March, 1984.        |
| 5. | Heneveld Word           | Program Officer Agakhan Foundation (India)                 | March, 1984.        |
| 6. | O'Dell Daniel, Pinto J. | Program Officers UNICEF, New Delhi and Bombay.             | March, 1984.        |

**Education and Extension**

- |    |             |  |                   |
|----|-------------|--|-------------------|
| 7. | Desai K. G. | Director, Institute of Psychological and Educational Research and Guidance, Ahmedabad. | 15th March, 1984. |
|----|-------------|--|-------------------|

**Foods and Nutrition**

- |     |                     |   |                          |
|-----|---------------------|---|--------------------------|
| 8.  | Rohde Jon Elliot    | Visiting U.S. Consultant                | 25th July, 1983.         |
| 9.  | Arole Raj K.        | Director, Jamkhed Project               | 25th July, 1983.         |
| 10. | Parthasarathy T. K. | Co-ordinator, Health Programme for SITE | 16th to 30th July, 1984. |
| 11. | Anderson Mary Ann   | Nutrition Advisor, USAID New Delhi.     | 22nd October, 1983.      |

- | Sr. No. | Name            | Designation  | Dates/Duration of the Visit  |
|---------|-----------------|--|------------------------------|
| 12.     | Malleshi N. G.  | Senior Scientist, Cereal Technology, Central Food Technological Research Institute, Mysore.  | 16th to 30th December, 1983. |
| 13.     | Natarajan C. G. | Former Director, Central Food Technological Research Institute, and expert in plantation Technology in the capacity of visiting professor. | 11th to 31st March 1984.     |

**Foods and Nutrition**

1. Sr. M. Sc. students made 12 factory visits in Baroda and Bombay to fulfill their food Technology course requirements.
2. The community Nutrition course for Sr. M. Sc. (FN) students is reinforced by students' observation and reports on ICDS, M.D.M., and SN. programmes.

**10. Any programme of the Faculty for the benefit of the Community.****Child Development**

1. The Child Development Department in collaboration with Smt. Maharani Shantadevi Trust has started on "Infant Testing Centre". The Children (0-30 months) who are referred by pediatricians and Family Physicians are tested for motor and mental development on Bayley Scales of Infant Development (BSID) using Baroda norms.
2. The Field work Programme of the department of Child Development aims at community development. The students work in centres of three types —(a) Nursery schools (b) Welfare agencies, (c) Agencies meant for exceptional children.

**Education and Extension**

The Programmes of adult education for urban women were conducted at Pragati Nonformal Education Centre of the department and at other selected six communities of Baroda city. Demonstrations of nutrition and novel recipes, workshop in utility articles and talks on various topics of interest to women were carried out.

The programme ended with an exhibition consisting of the articles made by the community women.

The Rural extension programme and activities were conducted in three villages namely Khanpur, Sonarqui and Ankhol. Similarly projects on electrification, school improvement and moral education for children in Sonarqui and Khanpur and road construction in Ankhol, were undertaken. The Balwadi is initiated in Ankhol while Mahila Mandal is initiated in Khanpur and Sonarqui.

In the course, community health and recreation, the students carried out health and recreational programmes in the slum community. A slide set with commentary on blood donation was prepared for the Friends Society.

#### Home Management

Miss Salma Nadvi organized extension programme for Remand Home girls and for Ladies in O.N.G.C. Club on 'Creativity'. Another extension programme for Interior Decorators was organized with Express Hotel and with different families.

#### Foods and Nutritions

Mrs. J. B. Patel delivered a lecture on "Preservation of Nutrients" under the programme of Baroda Management Association on "Management of Home" on 5th March, 1984.

11. Any activity of academic/social significance organized in or by the Faculty not included under previous items.

#### Child Development

The Alumni Association of the Department of Child Development was registered. The Alumni Achievement Award was instituted on 9th July, 1983. Any alumnus, working with disadvantaged women and children is eligible for the award. The first award will be given on July, 1984.

#### Foods and Nutrition

Dr. (Mrs.) S. K. Tuteja organized NSS Camp of 10 days duration at Panchar village of Panch Mahal Distt. in Nov.-Dec. 1983.

## CHAPTER XV

### 1. Published Articles/Papers

Name	Title	Name of the Journal
Rajyaguru H. M.	Fertility and Family Planning, Some Conceptual Models	Journal of Family Welfare, Vol. XXIX, No. 4, June, 1983.
	Social Work Practice : A Recent Definition	Journal of Higher Education, Vol. 9, No. 2, Autumn, 1983

### 2. Participation in Professional Programme, Workshop etc.

Name of the Teacher	Programme, Place and Date	Capacity in which participated
1. Anjaria V.	(1) I.C.D.S. Supervisors Training Programme at V.T.K. Institute of Rural Development, Samiala, Sept. 7, 1983	Faculty Speaker.
	(2) Prostitution; A Psycho-socio perspective seminar organised by Asson. for Social Health in India at A'bad, Sept. 11, 1983	Paper Presentation.
	(3) Role of Industrial Workers in Family, Health organised by worker Education and Alembic Chemicals at Baroda, Dec. 15, 1983	Speaker.
	(4) Organisation of Safety Programme for Children of Municipal School Board organised by Baroda Metropolitan Jaycees and Gujarat Safety Council at Baroda, March 3, 1984	Director.

Name of the Teacher	Programme, Place and Date	Capacity in which participated
	(5) Career in Social Work : Seminar on Career Guidance organised by Baroda Citizens Council, Baroda, March 3, 1984	Speaker.
	(6) Safer Life Style at Home organised by Worker's Education and Alembic Glass, Baroda, March 7, 1984	Speaker.
	(7) Communication in day to day life Career path Dev. programme organised by IPCL, Baroda, March 14, 1984	Participant.
	(8) Role of Industrial Worker in Family Health: Career path Dev. Programme organised by IPCL, Baroda, March 14, 1984	Participant.
2. Joshi S. S.	National Seminar on Slum Development at Nagpur organised by Indian Institute of Youth Welfare and N.S.S. Institute of Social Work, Dec. 5-7, 1983	Speaker.
3. Navale A. S.	(1) National Seminar on Involvement of N.S.S. volunteers in Adult Education organised by Osmania University, Hyderabad, May 23-25, 1983	Participant.
	(2) Workshop for the Principals of Colleges in Gujarat, Gujarat University, A'bad, March 19, 1984	Speaker.
	(3) Nutrition Education Programme and Role of N.S.S. organised by TISS, Bombay, March 9-10, 1984.	Participant.
	(4) Workshop on Eco-development Projects for N.S.S. organised by Delhi School of Social Work, Feb. 16-17, 1984	Participant.

Name of the Teacher	Programme, Place and Date	Capacity in which participated
	(5) Preparatory Convention for International Year of Youth organised by Gandhi Memorial Trust, Indore Sept. 26-28; 1983	Group Chairman.
	(6) Antar Bharati Workshop for International Youth Year Programme Planning held at Goraj, April 16-17, 1983	Participant.
4. Saxena S. B.	(1) Seminar on "Trade Union's Role and National Development organised by IPCL Employees, Assan" Baroda, Oct. 8; 1983	Paper Presented.
	(2) Seminar on Contribution of Worker's Education in National Development organised by Central Board for Worker's Education sponsored by Ministry of Labour, Govt. of India	Speaker.

### 3. Visitors

Sr.No.	Name	Designation	Date
1.	Nanavatty M. C.	Consultant in Social Work, New Delhi	23-9-1983
2.	Goyal C. P.	Dean, Faculty of Social Work, Kashi Vidyapith, Varanasi	8-7-1983
3.	Vyomanandji	Ramkrishna Mission, Rajkot	12-3-1984
4.	Hebsur R. K.	Head, Department of Research Methodology, T.I.S.S., Bombay	21-3-1984
5.	Pandey G. R.	Head, Unit for Research and Consultancy in Social Policy and Social Welfare Administrative, T.I.S.S., Bombay	23-12-1983
6.	Dholakia K.	Ex-speaker, Member Gujarat Assembly	23-3-1984
7.	Desai A.	Director, T.I.S.S., Bombay	9-12-1983

#### 4. National Service Scheme

The Dean of the Faculty is the Ex-Office Director of University National Service Scheme Programme. Faculty member Mr. Anil S. Navale works as N.S.S. Programme Co-ordinator, Social Work approach to N.S.S. has resulted in providing a special direction to the movement.

(a) Enrolment of students	:	1501
(b) Camps student participants	:	645
(c) N.S.S. Officers	:	15

#### 5. Activities of the Students Association carried out during the year :

1. Blood Donation Camp.
2. Faculty Agency Annual Day.
3. Participation in Youth Festival: prizes in Group Dance-Drama Boating and Duet.

#### 6. Library

The Faculty has a separate library which is maintained from the grant received from the University for the purpose.

The University has sanctioned a recurring grant of Rs. 3,500/- for subscription to periodicals and Rs. 3,000/- for books. The Faculty received a grant of Rs. 4500/- from the U.G.C. for books.

Sr. No.	Books including Bound periodicals	Pamphlets	Total Value in Rs.	
1.	Number at the beginning of the year	10031	2525	1,50,311-40
2.	Number added during the year	42	—	5,710-00
3.	Number remaining at the end of the year	10073	2525	1,56,021-40

#### Periodicals :

The total number of periodicals subscribed by the library during the year was 19.

The following figures shows the statistics of library :

1	Average number of Readers visiting the library	:	80
2	Average number of Books issued for home reading	:	85
3	Average number of teachers visiting the library	:	7
4	Average number of Books issued per day for reference	:	95

## CHAPTER XVI

### 1. Courses of Studies

The structure for the Post-graduate, Master of Laws degree course was revised. At the LL M., Part I, a compulsory paper on Constitutional Law of India was introduced and at the LL.M. Part II, a Dissertation, based on research, was made compulsory for all candidates. Labour Laws and Taxation Laws were offered as optional subjects at the LL.B. Course and Commercial Law group was taught at the LL.M. Course.

### 2. Published Articles/Papers

Name	Title	Name of the Journal
Dholakia H. C.	( i ) Habeas Corpus Case: A Critique	Gujarat Law Herald, June, 1983.
	( ii ) Minerva Mills Case: Limited Amending Power	Journal of the Bar Council, Oct., 1983.

### 3. Papers Presented at Professional Level Seminars, Conferences etc.

Name of the Teacher	Theme, Organiser's Name, Place and Date of the Conference/Seminar	Title of the Seminar
Dholakia H. C.	( i ) National Seminar organized by the National Commission on Teachers at New Delhi, December, 1983	Objectives of Professional Education.
	( ii ) International Seminar organised by the International Law Association at New Delhi in February, 1984	Human Rights: Problem of Minorities.
	( iii ) All-India Institutions of National Consensus Seminar organized by Patna University, in March, 1984	Institutions of National Consensus.

#### 4. Talks of academic nature given at different Universities/Professional Institutions

Name of the Teacher	University/Institution	Title of the Teacher
Dholakia H. C.	( i ) Faculty of Law, University of Delhi	Centre-State Relations.
	( ii ) South Gujarat University, Surat	Constitutional Amendments.

#### 5. Any Programme of the Faculty for the benefit of the Community

Professor Dholakia participated, at the invitation of the State Committee on Legal Aid, in the Lok Adalats organized at Baroda, Bharuch and Bhuj ( Kutch ).

## CHAPTER XV

1. The main work of the Institute is research and publication of important unpublished works on all subjects related to Indology. In 1949, the Institution was had 109 volumes in the Gaekwad's Oriental Series and 516 works in other Series. At the close of the year under report the number of publications stood at 171 in the Gaekwad's Oriental Series and 635 books in other series.

*The publications are under the following series :*

(1) Gaekwad's Oriental Series, (2) M. S. University Research Series (3) M. S. University Oriental Series, (4) M. S. Memorial Lecture Series (5) Shri Sayaji Sahityamala, (6) Shri Sayaji Gramavikasamala, (7) Shri Sayaji Balajnanamala, (8) Shri Shishujnanamala, (9) Matushri Jamnabai Smarak Granthamala.

#### 2. Post-Graduate Teaching

As part of the scheme of co-ordination of the teaching of 14 Shastras at the M.A. level in Sanskrit in the University, five members of staff of the Institute teach certain papers of the Post-Graduate Students in Sanskrit.

#### 3. Journals published by the Institute

The following quarterly research journals are published :

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

In the year under report, Nos. 3 and 4 of Vol. XXXII and Nos. 1 and 2 of Vol. XXXIII of the *Journal of the Oriental Institute* were published. Nos. 3 and 4 of Vol. XX and Nos. 1 and 2 XXI of *Svadhyaya* were published.

## 4. Published Books and Monographs

Author	Title of the Book	Name of the Publisher
Bhatt B. N.	Shri Ganeshvijayakavya	Oriental Institute, Baroda.

## 5. Published Articles/Paper

Name	Title	Name of the Journal wherein published with date of publication
1. Vyas R. T.	1. Shantarasadhavani in Shankuntala	Journal of the Oriental Institute, Vol. 33, Nos. 1-2, Sept.—Dec., 1983 issue.
	2. स्वाध्याय भीमांसा	Svadyaya, Vol. 20, No. 3, May, 1983 issue.
	3. शुक्लयजुर्वेदतुं અને યાજ્ઞવલ્કનો સમય	Svadyaya, Vol. 21, No. 1, Nov., 1983 issue.

## Review :

1.	An Encyclopaedic Dictionary of Sanskrit (on Historical principles)	Journal of the Oriental Institute, Vol. 32, Nos. 3-4, March-June, 1983 issue.
2.	History of Sanskrit Literature	Journal of the Oriental Institute, Vol. 33, Nos. 1-2, Sept.-Dec., 1983 issue.
2. Bhatt B. N.	Review Shudras in Ancient India	—do—
3. Joshi P. H.	Select Contents of Oriental Journals	Journal of the Oriental Institute, Vol. 32, Nos. 3-4 and Vol. 33, Nos. 1-2, March-June, 1983 and Sept.-Dec., 1983 issue.

## 4. Pandya B. P. Reviews

1.	હરમાન હંસ	Svadyaya, Vol. 20, No. 3, May, 1983 issue.
2.	વેળવણી અને મહાત્મા ગાંધી	Svadyaya, Vol. 21, No. 1, Nov., 1983 issue.

Name

Title

Name of the Journal wherein published with date publication

5. Wakankar S. Y.	1. Panchanga-Shastra-Ani-Vyavahara (Marathi)	Jyotisha Samachara, Vol. 21, Nos. 10-12, April-May, 1983 issue (Silver Jubilee Special issue).
	2. Sanskrit Works on the game of Ganjipha	Journal of the Asiatic Society of Bombay, Vols. 54-55, (New Series), Oct., 1983.
	Review:	
	3. Prashnavidya of Badarayana	—do—
	4. Rupamanjarinamamala	Journal of the Oriental Institute, Vol. 32, Nos. 3-4, March-June, 1983, issue.
6. Joshi D. S.	1. બંધાર ભટ્ટ વિરચિત "અભિ-મન્યુવિવાહ"	Svadyaya, Vol. 21, No. 1, Nov., 1983 issue.
	2. પ્રકૃતિ અને આપણે	Vishvamanava, Nov., 1983 issue.
	3. મધ્યકાલીન ગુજરાતી સાહિત્યનું સ્વરૂપ	Hindu-Milan-Mandir, Nov., 1983 issue.
	Review:	
	4. ફોરમ	Svadyaya, Vol. 20, No. 3, May, 1983 issue.
	5. અલુક	Svadyaya, Vol. 20, No. 4, August, 1983 issue.
	6. ગરમી સંતોનું દર્શન	Svadyaya, Vol. 21, No. 1, Nov., 1983 issue.
	7. દુમપણી	Vishvamanava, Sept., 1983 issue.
7. Pathak M. M.	મહર્ષિ પરાશરનો રાક્ષસ-સત્ર : એક તુલનાત્મક અધ્યયન	Svadyaya, Vol. 21, No. 1, Nov., 1983 issue.

## 6. Talks given at different Professional Institutions/Universities

Name	Institution/University	Title of the Lecture
1. Vyas R. T.	1. Vishva Sanskrit Pratishthan, Baroda, 18-9-1983	गणपति: वैदिको देवो भवति षण्णः संस्कृतम्

Name	Institution/University	Title of the Lecture
2. Joshi D. S.	1. Granthagosthi, Baroda, 18-2-1984	देशीयनिषेधभाष्य विवरण
	1. Faculty of Arts, (Under the auspices of 'Budhawarsabha' and 'Nirantar'), Baroda, 7-9-1983	गुजराती साहित्यमां रामकथा

#### 7. Participation in Professional Programmes, Workshop, Summer School etc.

Name of the Teacher	Programme, Place and Date	Capacity in which participants
1. Vyas R. T.	1. Summer School of the Vedic Studies, Maharshi Academy of Vedic Science, Ahmedabad, 11-5-1983 to 28-5-1983	Participant.
	2. National Seminar on Kalidasa, Sanskrit Seva Samiti, Ahmedabad, 9/10 July, 1983	Participant.
	3. U.G.C. Seminar on the Impact of Vaishnavism on Indian Art, Faculty of Fine Arts, Baroda, 28th Nov. to 2nd Dec., 1983	Participant.
	4. Sanskrit Pandit Parishad, Shvetambar Moortipujaka Sangha, Baroda, 26th and 27th January, 1984	Participant.
2. Wakankar S. Y.	1. Sanskrit Outside India Seminar at Thane, 4-9-1983	Participant.
	2. Gujarat State College Sanskrit Teachers' Association, Kashod, 3-5-1984	Participant.

#### 8. Exhibitions, Performances, Demonstrations etc. at State, National and International Levels

1. The Oriental Institute organised an exhibition on 27-28th January, 1984 of rare and valuable manuscripts of Jaina Philosophy and Logic on its premises during the Sanskrit Vidvat Parishad (Special) held at Baroda.

2. The Institute also participated in the Book exhibition held at the Faculty of Home Science during the above Seminar.

#### 9. National and International Awards and Distinctions

1. Shri Samsta Vadodara Jaina Svetambara Murti Pujak Sangha, Sanskrit Department, Faculty of Arts and the Oriental Institute arranged a Sanskrit Pandit Parishad at the Faculty of Home Science Auditorium, Baroda, on 26-27th January, 1984. The Parishad honoured Mahamahopadhyaya Prof. Dr. S. G. Kantawala and Dr. R. T. Vyas as Sanskrit Scholars Participants by presented a shawl to each.

#### 10. Manuscripts Section

This Section has a collection of 26,467 manuscripts in Sanskrit, Prakrit, Pali, Apabhramsha and other classical Indian languages and in several modern Indian languages including a few in Persian and Arabic. To these 49 MSS. were added during the year, out of which 1 MS. was purchased and 48 MSS. were received as gift from:

(1) Shri M. C. Jani, (2) Shri K. Y. Tripathi, (3) Professor H. Daniel Smith, etc.

During the year, 19 manuscripts were lent out to other Institutions, 22 to local scholars and 136 MSS were issued for work on the premises of the Institute. The second instalment of the amount of Rs. 26,892/- only was received on 26-3-1984 on account of grant-in-aid for the catalogue Scheme from the Ministry of Education, New Delhi.

#### 11. Printed Books Section

The Institution has a collection of 41,364 books.

##### (A) Books :

This year the library spent Rs. 10,603/- for the purchase of books. This includes the grant of Rs. 2,000/- for the Vishnupurana Project and the U.G.C. Grant of Rs. 4,500/-. We also spent Rs. 7,132/- from the U.G.C. books grant of Rs. 50,000/- before March, 1985.

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	41,050	4,44,579-10
Number added during the year	314	17,735-00
	41,364	4,62,314-10

Out of the total number of books added during the year 80 books were received as gift/on exchange basis.

## (B) Periodicals :

The total number of periodicals and scholarly journals received here is 199.

## 12. Publications

## (a) Gaekwad's Oriental Series :

Editing and publication of books in the series is one of the main activities of this Institute. The Institute received Rs. 50,000/- from U.G.C., for publication of G.O.S. works during the VIth Plan period. Moreover, an additional grant of Rs. 1,00,000/- has been received from the U.G.C. for G.O.S. publications during the VIth Plan period (i.e. before March, 1985).

So far 171 volume have been published under this Series. The following works were published during the year :

1. Tattvasamgraha (Sanskrit—by Late Pt. Embar Krishnamacharya Text), Vol. II.
2. Shri Ganeshvijayakavya Dr. B. N. Bhatt

## 13. M. S. University Oriental Series

1. Tilakamanjarikathoddhara By Dr. N. M. Kansara

The following works are under print :

1. Tattvasamgraha (Sanskrit—by Late Pandit Embar Krishnamacharya Text), Vol. II
2. Tattvasamgraha (English Transl.) Vol. I By Late Dr. Ganganatha Jha

## 14. Translation Branch

The following works were printed during the year :

1. सङ्ख्यसिद्धिचिन्ता By Late Shri Kanaiyalal B. Datta

The following works are under print :

1. वृषभधृतिचिन्ता By Dr. M. R. Majumdar
2. वृषभधृतिचिन्ता By Late Dr. B. G. Vaidya

Shri Sayaji Balajnanmala :

1. श्री समर्थ रामदास —By Shri Yashwant P. Musale

## 15. Vishnupurana Project

Three microfilms of the manuscripts of Vishnupurana in Devanagari, Newari and Telugu Scripts were taken up for collation. The collation work of the Devanagari manuscript has been completed and that of the Newari manuscript is done upto the eight chapter of the first part of the Puranastand. The press copy of the portion so checked and revised is ready.

The reconstruction of the critical text of the Vishnupurana is completed for 21 chapters of Amsha I and only one adhyaya remains to be done.

## 16. Visitors

Sr.No.	Name and Designation	Date of Visit
1.	Dr. Munco Tokunaga, Associate Professor of Linguistics and Sanskrit, Tokyo Institute of Technology, Tokyo (Japan)	22-7-1983
2.	Shri Fabrizia Baldissera, Research-Lecturer in Sanskrit and Indology, University of Milan, Milan (Italy)	12-10-1983
3.	Dr. Prabhakar Apte, Assistant Editor, Sanskrit Dictionary Department, Deccan College, Poona-6	28-11-1983
4.	Dr. M. N. Deshpande, Ex-Director General of Archaeology, New Delhi	28-11-1983
5.	Dr. P. N. Kawthekar, Chairman, Central Sanskrit Board, Indore	30-11-1983
6.	Prof. K. D. Bajpai, Retd. Tagore Professor, Department of Archaeology, University of Saugar, Saugar (M.P.)	1-12-1983
7.	Mr. K. Hori, Chairman, Mitsubishi Heavy Industries, Tokyo (Japan)	27-12-1983
8.	Mr. Hannat Hart, Librarian, Kern Institute, Leiden University, Leiden (Holland)	24-1-1984

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Sr.No.	Name and Designation	Date of Visit
9.	Marianne S. Oort, Orientalist Librarian, Kern Institute, Leiden ( Holland )	24-1-1984
10.	Dr. Radha Vallabha Tripathi, Professor and Head, Sanskrit Department, Saugar University, Sagar ( M.P. )	14-3-1984
11.	Dr. Chirapat Prapandvidya, Assistant Professor, Department of Oriental Languages, Faculty of Archaeology, Silpakoru University, Bangkok ( Thailand )	16-3-1984

## CHAPTER XVIII

### 1. Published Articles/Papers

*Department of Music :*

Name of the Author	Title of Book	Publisher and year of Publication
Patwardhan N. V.	Nandan Rag Tarang ( Book Review )	Journal of the Indian Musciological Society.

### 2. Papers presented at Professional Level Seminars, Conferences etc.

Name of the Teacher	Theme, Organisor's Name, Place and Title of the Paper	Dates of the Conference/Seminar
Kelkar Y. D.	All India Marathi Theatre Convention at Panaji, Goa from 4th to 6th Feb., 1984	Experimental Theatre.

### 3. Talks of academic nature given at different Universities/Professional Institutions

Name of the Teacher	University/Institution	Title of the Lecture
<i>Department of Music :</i>		
1. Patwardhan N. V.	( i ) Gandharv Mahavidyalaya, New Delhi	Combination of Ragas
	( ii ) Vishnu Digambar Sangeet Vidyalaya, Pune	( a ) Creation of New Ragas. ( b ) Merits and De- merits of Com- positions. ( c ) Orchestration in Indian Music.
	( iii ) Marathi Vigyan Parishad, Baroda	Relationship between Music and Science.

Name of the Teacher	University/Institution	Title of the Lecture
---------------------	------------------------	----------------------

*Department of Dance :*

- |                         |  |  |
|-------------------------|--|--|
| 2. Shah Parul           | ( i ) Theatre Institute University of Copenhegan, Copenhegan, Denmark<br>( ii ) Smithsonian Institute, Washington D.C., U.S.A. | Classical and Folk Dances of India.<br>Customs and Culture in Dances of India. |
| 3. Chandra-sekhar C. V. | III Natyakala Conference, Madras   | Influence of North on Southern Dance Styles                                    |

*Department of Drama :*

- |                 |   |   |
|-----------------|---|---|
| 4. Bhatt M. J.  | Gujarat Vidyasabha, 11th and 12th January, 1984   | Contemporary Gujarati Theatre.  |
| 5. Kelkar Y. D. | ( i ) Gujarat Vidyasabha, 11th and 12th January, 1984<br>( ii ) Department of Dramatics, Marathawada University, Aurangabad, 16 to 19 January, 1984 | Contemporary Gujarati Theatre.<br>1. Styles in Play Production.<br>2. Styles and Schemes of Acting. |

**4. Participation in Professional Programme, Workshops, Summer Schools etc.**

Name of the Teacher	Programme, Place and Date	Capacity in which participated
---------------------	---------------------------	--------------------------------

*Department of Dance :*

- |                          |   |   |
|--------------------------|---|---|
| 1. Shah Parul            | ( i ) International Chhan Workshop at Jamshedpur from 23-12-1983 to 1-1-1984  | Delegate.   |
| 2. Chandra-shekhar C. V. | ( i ) Pontifical Society of Austria from 4-9-1983 to 6-10-1983<br>( ii ) Dance-Drama: Bhumija<br>1. Garry January 6th, 1984<br>2. Shabari Vidyalaya, 1st week of February, 1984<br>3. Department of Child Development, 7th July, 1983<br>4. Department of Art History, 29th November, 1983<br>5. Lioness Club of Banaras, November 19th, 1983 | Resource Person.<br>Participant<br>Producer-director<br>Assistant Producer<br>director-costumes |

Name of the Teacher	Programme, Place and Date	Capacity in which participated
---------------------	---------------------------	--------------------------------

- |              |   |                          |
|--------------|---|--------------------------|
|              | 6. Auronoday Cultural Centre, Gujarat Refinery, Baroda 4th December 1983  |                          |
| 3. Baruah P. | ( i ) Railway Staff College, Baroda, 31-1-1984<br>( ii ) Smithsonian Folk Art Festival, 2-4 July, 1984,<br>( iii ) Garry, January, 1983 | Performer.<br>Performer. |

*Department of Drama :*

- |                 |   |   |
|-----------------|---|---|
| 4. Bhatt M.     | Workshop in Drama, Bhartiya Vidya Bhavan, London, Nov.-Dec., 1983   | Conductor.  |
| 5. Chawla A. P. | ( i ) Sangeet Natak Academy, Gujarat State on 17th May, 1983 at Bhavnagar<br>( ii ) Ellisbridge Arogya Samiti Rang Mandal, Ahmedabad from 7th Nov. to 22 Nov., 1983<br>( iii ) Gujarat University | ( i ) Conductor.<br>( ii ) Conductor.<br>( iii ) Demonstration. |

**5. Exhibitions, Performances, Demonstrations, etc. at State, National or International Levels***Drama :*

- Exhibitions : An exhibition of the activities of the Department of Dramatics during the last 30 years was organised on 27th March, World Theatre Day Celebration.
- |                           |  |
|---------------------------|--|
| 1. Prof. Markand Bhatt    | Participated as an actor in Rakta Beej, a Satur Theatre Production, and performed 10 shows so far.   |
| 2. Shri Mahesh Champaklal | Participated in Rakta Beej, Hayavadana and Chhade Chawk, Satur Theatre Production, and performed 25 shows in all.                                |
| 3. Shri Jagdish Bhatt     | Adapted, directed and performed Hayavadana a play based on Bhavai style, under the Sature Theatre programme and presented 10 shows.              |
| 4. Shri Avantilal Chawla  | ( i ) Directed a religious play entitled 'Ja Ku Dekhe Chhanit Thare Keshav Bhagat' at the invitation from Yogi Divine Society, Swaminarayan Sam- |

pradaya. The play was performed in various cities of Gujarat.

5. Shri Avantilal Chawla (ii) Presented a mime play Morbi Flood at Door Darshan, Ahmedabad which was telecasted on 9th June, 1984.

#### 6. National and International Awards and Distinctions

Name of the Recipient Teacher/Non-teacher	Description of the Award
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##### Dance :

Prof. Chandrasekhar C. V.	U.G.C. Award.
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##### Drama :

Kum. Deepa Diwan	A senior student of Department was invited to direct the play Chhade Chawk by the Gujarat State Sangeet Natak Academy the shows of which were performed in various cities of Gujarat.
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##### Music :

Patwardhan N. V.	Visiting Fellow for 4 weeks at Dayalbagh Educational Institute, Agra.
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#### 7. Any activity in the Faculty involving innovation in Teaching/Research

Drama : Satur Theatre Scheme was introduced to cultivate professional skills in the students as part of their practical training.

#### 8. Any Programme of the Faculty for the benefit of the Community

Dance : Dance Ballet 'Bhumija' at Shabari Vidyalaya—Charity Show.  
Drama : Shri Mahesh Champaklal, of the department conducted a regular work-shop on acting at Gujarati Department, M. S. University to train students of the Arts Faculty on every Thursday throughout the year.

#### 9. Any activity of Academic/Social Significance organized in or by the Faculty not included under previous items

Drama : The Department jointly with Triveni, Cultural organisation of Baroda, celebrated World Theatre Day by facilitating outstanding artists in the various fields and also organised a Drama Festival on March 25-26, 1984.

#### 10. Library

The Faculty Library remains open from 9-00 a.m. to 1-00 p.m. and from 5-30 to 7-30 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 books at home reading	100
2. Average daily number of students use reference books in reading room	75
3. Average number of Teachers who use Reading room	15
4. Total number of books issued to students and teachers during the year	4000

The following are the figures about the stock and the expenditure of the Library books during the year :

Particulars	Number	Cost in Rupees
1. Books (including back number of Journals) during the year as on 31-3-1983	9463	1,07,168-02
2. Books written off during the year	—	—
3. Books added during the year	37	4,377-00
4. Total number of books during the year	9500	1,11,445-02
5. Journals subscribed during the year	23	1,956-70
6. Amount sent during the year on binding	—	—

#### 11. Visitors

Sr. No.	Name	Designation	Date/s/Duration of the Visit
1.	Shri Gangadhar Tailang	Principal, Gandhi Sangeet Mahavidyalaya, Kanpur	7-12-1983
2.	Shri Satyabhan Sharma	Head of the Department of Music, Dayalbagh Educational Institute, Agra	25- 2-1984
3.	Shri Prakash Sangeet	Vocalist of repute	16-12-1983
4.	Smt. Padma Subramaniam, Shanta and Dhananjay	Padmashri Dancers	24- 2-1984
5.	Dr. Bhanu-shankar Mehta	Welknown Ramlila Scholar of Varanasi	29-10-1983 22- 2-1984
6.	Annemate Poulsen	Asso. Lecturer in Theatre Arts-University of Copenhagen Denmark	23- 2-1984 22-11-1983 23-11-1983

## CHAPTER XIX

## 1. Papers presented at Professional Level Seminar/Conferences etc. :

Name of the Teacher	Theme, Organisor's name, place and Dates of the Conference/Seminar	Title of the Paper
Pathak, J. R.	Veda Mahima, Maharshi Academy of Vedic Science, Ahmedabad from 9-5-1983 to 28-5-1983.	Vedo Rakshti Rakshitah

## 2. Talks of academic nature given at different Universities/Institution :

Name of the Teacher	University/Institution	Title of the Lecture
Pathak, J. R.	(i) Veda Parichaya Samiti Aurvindo Society, Baroda.	(i) Dashrajna Yuddha
	(ii) Sanskrit Vidvatsabaha, Baroda.	(ii) Vaishlaksham
	(iii) Jain Nyaya Darshana Baroda.	(iii) Vedsya Swataha Pramanyam
2. Shah, R. G.	—do—	Shri Harirajji Mate Brahmavadah
3. Shukla, U. H.	—do—	Darshanshastranam Rasanvitata
4. Joshi, L. M.	Nadiad Astrological Society, Nadiad.	Effects of Shanichandra Vishayoga

## 3. Participation in Professional Programme, Workshops, Summer Schools etc.:

The Workshop Programme was arranged of the teaching staff and delivered the lectures as under in the Institution :

Name of the Teacher	Subject	Date
1. Pathak, J. R.	Jain Darshanam	20-2-1984
2. Prakashkar, V. B.	Shivaratri	20-2-1984
3. Joshi, R. J.	Purusham Laxmihi Varayate	21-2-1984
4. Shukla, N. C.	Shiddhanat Shiromani	22-2-1984
5. Shastri, R. M.	Brahmacharinamiti Kartavyata	22-2-1984
6. Shukla, U. H.	Abhidhavruttihi	23-2-1984
7. Purohit, K. J.	Dayabhagah	23-2-1984
8. Vyas, V. B.	Sandhya Vaishishtyam	24-2-1984
9. Shah, R. G.	Moxah Vicharah	24-2-1984
10. Pathak, A. S.	Kushkandika Pratyaksha Gyanam	25-2-1984

4. National and International Awards and Distinction :

Name of the Recipient	Description of the Award
Patel, C. P.	Gold Medal of Shri Haridas Vithaldas Gokani in the Conference of Gujarat Itihas parishad, Vadhavan city ( Saurashtra ) in the essay competition on ' Shri Krishna in Mahabharat '.

5. Faculty Publication :

Name of the Journal	Name of the Editor	Periodicity of Publication
Surbharati	Pathak, J. R.	Annual

6. Visitors :

Name	Designation	Date
1. Pt. Shri Dwivedi, V. V.	Pradhyapak, Sampurnanand Vishva Vidyalaya, Varanasi.	26-10-1983
2. Pt. Shri Shastri, K. C.	Vedacharya, Delhi	27-12-1983

7. Any activity in Faculty involving innovation in teaching/Research :

Celebration of the Baroda Sanskrit Mahavidyalaya Annual Day on Sunday the 11-3-1984 by Navchandi Yagna and Shri Saraswati idol installation.

8. Any Programme of the Faculty for the benefit of the Community :

Dr. J. R. Pathak, Principal, is appointed as Pravachankar at Central Jail, Baroda by the Governor of Gujarat from 1984 for three years.

9. Any activity of academic/Social significance organized by the Faculty not included under previous items :

Successfully Organized exhibition on ' Tantra Shastra ' in the Kirtimandir.

CHAPTER XX

1. Papers presented at Professional Level Seminars, Conferences etc.

Name of the Teacher	Theme, Organisor's Name, Place and Dates of the Conference/Seminar	Title of the Paper
Oza D. K.	Annual Conference of Gujarat Economic Association, Baroda during Winter Vacation, 1983	Unequal Exchange.

2. Visitors

Sr. No.	Name	Designation	Date/s Duration of the Visit
1.	Kapadia R. M.	Director, M/s. Paushak Ltd., Baroda	17-1-1984
2.	Prof. Trivedi M. S.	Director, Sardar Patel Institute of Economics and Social Research, Ahmedabad	30-1-1984
3.	Khakar P. B.	Well-known Artist	27-2-1984

3. Any Programme of the Faculty/College for the benefit of the Community

The Students Union of this College arranged a blood donation Camp of staff/students on January 10, 1984. Shri Rajesh Desai, Faculty Representative arranged the Camp and collected 28 Bottles of blood.

4. Any Activity of Academic/Social Significance organised in or by Faculty/ College not included under previous items :

The student volunteers of Padra College under the leadership of N.S.S. Field Officer, participated in the immediate flood relief camp for 20 days for relief work at Kanja and Kadachh.

## CHAPTER XXI

## 1. Talks of Academic nature given at different Universities/Professional Institutions

<i>Name of the Teacher</i>	<i>University/Institution</i>	<i>Title of the Lecture</i>
1. Sarana N. M.	Indian Petrochemicals Corp. Ltd.	Distillation.
2. Oza K. T.	do	Plastics.
3. Shah R. J.	do	Polymerization.

## 2. Participation in Professional Programme, Workshop, Summer School etc.

<i>Name of the Teacher</i>	<i>Programme, Place and Date</i>	<i>Capacity in which participated</i>
1. Bhavnani H. V.	( i ) British Associated Projects for the Polytechnics of Western Region, 2-5 January, 1984	( i ) Participant.
	( ii ) Institutional Evaluation Programme at Bhopal, 4-9 August, 1983	( i ) Participant.
2. Panchal C. D.	British Associated Projects for the Polytechnics of Western Region, 2-5 January, 1984	Participant.
3. Sarana N. M.	( i ) Winter School in Biotechnology Chem. Engg. Department, M. S. University of Baroda	( i ) Participant.
	( ii ) Workshop for designing curriculum for Diploma Course in Plastic Tech. at New Delhi	( ii ) Expert.
	( iii ) Workshop on Curriculum Development for Plastic Technology at Chandigadh	( iii ) Participant.

Name of the Teacher	Programme, Place and Date	Capacity in which participated
4. Oza K. T.	Winter School in Biotechnology Chem. Engg. Department, M. S. University of Baroda	Participant.
5. Shah R. J.	Winter School in Biotechnology Chem. Engg. Department, M. S. University of Baroda	Participant.
6. Patel M. T.	—do—	Participant.
7. Dewaskar D. B.	( i ) 51st Annual Research and Development Session of the Central Board of Irrigation and Power at Baroda, 2-5 January, 1984 ( ii ) National Convention of Indian Water Works, Association at Baroda, 22-26 January, 1984	( i ) Participant. ( ii ) Participant.
8. Shah V. K.	( i ) 51st Annual Research and Development Session of the Central Board of Irrigation and Power at Baroda, 2-5 January, 1984 ( ii ) National Convention of Indian Water Works, Association at Baroda, 22-26 January, 1984	( i ) Participant. ( ii ) Participant.
9. Bhavsar M. C.	51st Annual Research and Development Session of the Central Board of Irrigation and Power at Baroda, 2-5 January, 1984	Participant.
10. Sane V. Y.	—do—	Participant.
11. Telpande A. G.	( i ) Q.I.P. Improvement Programme Training Bombay ( ii ) Seminar on "Chemical Industry in Gujarat, Growth and Potential" held at Ahmedabad on 4th February, 1984	( i ) Participant. ( ii ) Participant.
12. Agrawal K. S.	Q.I.P. Improvement Programme Training, Bombay	Participant.

Name of the Teacher	Programme, Place and Date	Capacity in which participated
13. Patel M. I.	—do—	Participant.
14. Jejurikar C. R.	Q.I.P. Training on "Modernising the Laboratory Practices in Applied Science", 5-14 March, 1984	Participant.
15. Shah K. R.	Seminar on "Non-destructive testing for profit" at G.S.F.C., Baroda, 12-13 February, 1984	Participant.
3. Exhibitions, Performances, Demonstrations etc. at State, National or International Levels		

The Polytechnic participated in Exhibition "Do-It-yourself", at Government Polytechnic, Porbandar from 27th to 31st January, 1984. Our Models were well received and two models of Mechanical Engineering Department, retained by the Organisers of the Exhibition for further development.

#### 4. Library

Books were purchased from recurring grant of Rs. 27,000.

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

Books including bound Periodicals :	Books	Total Value in Rs.
1. Number at the beginning of the year	22,442	4,66,024-66
2. Number added during the year	841	51,099-47
3. Number withdrawn from the record	—	—
4. Number remaining at the end	23,283	5,17,124-13

#### Periodicals :

During the year the Library subscribed to 46 periodicals. The total amount spent for the periodicals was Rs. 9,787-57 and the amount spent for Binding was Rs. 2,344-20.

#### Curricular of Books etc :

##### 1. Working hours :

The working hours of the Library for the Academic Year were from 8-00 a.m. to 8-00 p.m. except on Sundays and Holidays.

2. *Statistics :*

Statistics for the use of the Library is given below :

—Daily average number of readers making use of Library	495
—Average issuing of books for Home reading	190
—Average issuing of books for reading room	150
—Total number of students registered	1606

5. *Visitors*

Prof. T. Francis, Member, Western Regional Committee, Bombay, visited Polytechnic to discuss the proposals to be submitted to W.R.C.;

Prof. V. N. Datta, Educational Adviser (Tech.), Director of Technical Education, Gujarat State, also visited the Polytechnic.

CHAPTER XXII (A)

1. *Courses of Studies*

A New Course of one Semester's duration on "Interior Decoration", was started during the year.

2. *Participation in Professional Programmes, Workshops, Summer School etc.*

<i>Name of the Teacher</i>	<i>Programme, Place and Date</i>	<i>Capacity in which participated</i>
1. Chakravorty M. ( i )	National Workshop on Community Approach and Micro Planning in Adult and Continuing Education, at Ahmedabad from 8-4-1983 to 11-4-1983	Participant.
( ii )	All India Educational Conference New Delhi, 25-2-1984	—do—
( iii )	Involvement of students in eradication of illiterary as organised by the new 20 points programme, Government of India, New Delhi.	—do—
2. Mr. Suneel and Karkare S.	XVIIIth, Annual Conference of Indian Association of Universities for continuing Education, Pune, 21-2-1984 and 22-2-1984	Participant.
3. Baxi N. and Neera Chetanal N.	One Day Seminar on Adult Education at Bardoli on 25-9-1983	Participant.
4. Trivedi I. and Kalyani U.	One Day Workshop on Point No. 16 of the New 20 Point Programme of the Government of India at Surat on 28-1-1984	Participant.

### 3. Any Programme of the Faculty for the benefit of the Community

The following is a list of the courses conducted by the Centre during the year under report.

#### I Long-Term Courses

Sr. No.	Name of the Course	No. of Students		
		Male	Female	Total
1.	Post-graduate Course in Industrial Management	44	01	45
2.	Post-graduate Course in Marketing Management	67	01	68
3.	Certificate Course in Industrial Purchasing and Material Management	156	07	163
4.	Certificate Course in Hotel Management	33	11	44
5.	Certificate Course in Interior Decoration	11	24	35
6.	Gujarati for Professionals	14	00	14
7.	Adult Education Centres (No. 22)	428	257	685
<b>Total</b>		<b>753</b>	<b>301</b>	<b>1054</b>

#### II, Short-Term Courses

A total of 59 courses were designed and the following courses were launched during summer 1983.

Listed below is a list of courses conducted with the number of beneficiaries:

Sr. No.	Name of the Course	No. of Students		
		Male	Female	Total
1.	Plastic Processing			09
2.	Computer Language—Fortran IV (2 batches)	09	00	30
3.	Sales Tax, Income Tax and Central Excise	24	06	15
4.	Spoken English	15	00	74
5.	English Improvement	58	16	11
6.	Painting for Beginners	09	02	10
7.	Photography for Beginners	01	09	17
8.	Indian Hand Embroidary	13	04	11
9.	Workshop for Nursery School Teacher	00	11	12
10.	Gujarati/Hindi, Ghazals and Bhajans	01	11	14
11.	Free lance Journalism	03	11	14
12.	Office Management	11	03	09
13.	Shastriya Swar Sangeet	07	02	10
14.	Bal Geet	05	05	10
		06	04	

Sr. No.	Name of the Course	No. of Students		
		Male	Female	Total
15.	Light Music	05	16	21
16.	Fancy Cookery	00	08	08
17.	German Language for Technologists and Executives	13	01	14
18.	Becoming a Better Teacher	01	04	05
19.	Interior Decoration	10	35	45
20.	The Art of Bonsai	02	15	17
21.	Batik on Textile	01	07	08
22.	Hand Made Pottery	00	09	09
23.	Introduction to Microprocessor	07	00	07
24.	Food Preservation	01	04	05
25.	Prevention of loss of nutrients while cooking	00	27	27
26.	Food Adulteration	00	20	20
27.	Care during Pregnancy and Lactation	00	28	28
28.	Cleanliness of Eyes, Teeth and Nails	00	20	20
29.	First Aid and Home Nursing	00	20	20
30.	Why Children Need more Food	00	20	20
31.	Vitamin A deficiency and blindness	00	20	20
32.	Care during Pregnancy	00	20	20
33.	Importance of Breast Feeding	00	20	20
34.	Weaning Foods	00	20	20
35.	Anaemia	00	20	20
36.	Low Cost Nutrition Receipties	00	20	20
<b>Total</b>		<b>202</b>	<b>438</b>	<b>640</b>

#### 4. The following is a list of the Centres in which Adult Education and Community Programmes were carried out

Sr.No.	Place	No. of Beneficiaries
1.	Saraswani, Taluka Padra, District Baroda	25 M
2.	Saraswani No. 2, Taluka Padra, District Baroda	35 M
3.	Kewadabaug, Navapura	35 F
4.	Ramwadi	30 F
5.	Pensonpura, Wagariwada, Baroda	24 F
6.	Akota, Near Tank	50 F
7.	Hathi Khana, Baroda	50 F
8.	Magleshwar, Raopura	35 F

Sr.No.	Place	No. of Beneficiaries
9.	Near Chora, Bhoj Village	08 F 54 M
10.	Primary School, Padra	35 M 36 F
11.	Pensonpura, Harijanwas, Baroda	26 M 09 F
12.	Navi Dharti, Nagarwada	20 F
13.	Jiwan Sadhana School	30 F
14.	Umaraya Village	60 M
15.	Akota, Near Tank	30 M
16.	Luhar's Chawl, Pratapnagar	30 M
17.	Bavri Kumbharwada	30 F
18.	Receiving Centre for Beggars	28 M
19.	Gotri Slums	30 M
20.	Leprosy Hospital	20 M
21.	Akota, Near Tank	28 M
22.	Gorwa, Harijanwas	31 M

5. Any Activity of Academic/Social Significance organized in or by the Faculty, not included under previous items

The Department arranged a three Day Training Programme for Student Teachers from 13 to 15th February, 1983.

6. Papers presented at Professional Level Seminars, Conferences etc.

Name of the Teacher	Theme, Organizer's Name, Place and Date of Conference/Seminar	Title of the Paper	Block	Level in
Chakravorty M.	National Workshop on Community Approach and Micro Planning in Adult and Continuing Education, Ahmedabad from 8-4-1983 to 11-4-1983		Planning	Adivasi Areas.

CHAPTER XXII (B)

1. Training Programme for the Sixth Batch

The training programme of the 6th batch (consisting of 18 trainees) concluded on 30-5-1983. All the trainees under the programme appeared for the Preliminary Civil Services Examination in June, 1983. 12 cleared the Preliminary Examination.

Those who succeeded at the Preliminary Examination were trained for the Main Civil Services Examination held in Nov. '83. Two of the twelve trainees cleared the Main Examination. They were further trained for the Interview with help of some I.A.S. Officers in Baroda.

2. Training Programme for the VII Batch

A large number of applicants had to be screened through a written test, group discussions and interviews, in order to select 24 candidates for training. Training was arranged through lectures, seminars, tests and educational film shows and tours.

3. Catch Them Young

A batch of 50 undergraduates was selected for this programme. These students were given regular lectures, tests, seminars, etc. in order to motivate them towards Civil Services Career. Some of the trainees under this programme joined the educational tour to Mussorie and Delhi.

4. Management Committee

Mr. Moosa Raza, I.A.S., Managing Director, G.S.F.C. has been co-opted as a member on the Managing Committee.

5. Staff

One Hon. Director, One Hon. Dy. Director and One Office Secretary.

## CHAPTER XXII (C)

During 1983-84, the fourth year since the establishment of Computer Centre, a steady growth in development activities of the Centre was maintained. The Centre started procuring books in computer science with a view to developing a small departmental library of its own.

As envisaged in the previous annual report, Computer Centre conducted two short term evening courses in FORTRAN IV and COBOL programming languages. In each one of these courses, 40 participants were admitted. However, the number of applications received was quite large, indicating the need for more similar courses.

Shri H. J. Patel, System Engineer and I/C Head was invited to deliver lectures on FORTRAN IV Programming to IRSE Induction course at the Railway Staff College, Baroda. Shri Patel delivered eight lectures under this programme.

During the year under review more institutions, including Faculty of Technology and Engineering, Faculty of Science, were covered under the computerized salary preparation. However, the provision for requisite staff structure for proposed salary cell at the University level is yet to be made. With the formation of that it is expected that the entire university salary bills would be computerized.

The Centre took up work of developing computer system for preparing computerized examination results. The system had to account for factors like frequent changes in curriculum, introduction and removal of courses, and small number of students in a branch etc. Considering all this an examination results system was designed which would be economical and suitable. The design for computer printed marksheet alongwith provisional certificates is successfully prepared with the expectation that the marksheet for the degree examination of April, 1984 would be prepared on the computer for the first time.

The Centre was successful in catering to the greater number of academic class of users like, Research Scholars, Staff members and regular students of the

University. The introduction of new courses in computer fields like B.E. Computer Science, Post-graduate Diploma in Computer Application and Diploma in Operations Research has increased the use of computers.

By the end of financial year 1982-83, the Centre had earned a net saving of Rs. 11.62 lakhs. During the year 1983-84 the income of the Computer Centre was Rs. 6.49 lakhs and expenses Rs. 5.69. Thus at the end of the 1983-84 total net saving comes to Rs. 12.42 lakhs. This saving will have to be utilized for the development of the Centre for the time when no external grant would be available.

## CHAPTER XXII (D)

During the year, the Centre Staff consisted of one full time Medical Officer, two part time Doctors, one Compounder, Nurse, Sanitary Inspector, Clerk, Lab-cum-X-Ray Technician each and three Hamal-cum-Sweepers. The teaching and the non-teaching employees alongwith their certified dependents were also given the benefit of free medical services at the Government Dispensaries Jamnabai Hospital and S.S.G. Hospital and I.D. Hospital Baroda. From March, 1983 a special "Counselling-cum-Health Care Scheme" for the Hostels was introduced for the benefit of residents of Halls of Residence.

The Health Centre provided general and preliminary Health care to the University Students, Staff members and their dependents. From last year, free medical facilities were extended to the mess servants, watchmen and other maid servants.

In addition, the Health Centre provided, the facility of Laboratory investigations like Hb% total and differential count, peripheral smear, malaria parasite, sputum examination for tubercle favilli, routine urine and stool examination. The process is also on to extend the facility of blood chemical analysis for assessment of Diabetes and renal function studies. Fluoroscopic investigation facility has also been provided. The facility of Mass-Miniature-Radiography (MMR) is also made available with the co-operation of District T.B. Centre, at the S.S.G. Hospital, Baroda to the University employees. The facilities of infra-red lamp R.V. therapy Oxygen therapy, Hot Water Bag, Ice-Bag, bed pans, urine pots, etc. were provided even for domestic use.

The services of certificate for physical fitness for University services, N.C.C training camps, for admission to different faculties were also given. The members of the Medical Examination Board for the year were Doctor P.M. Luhar, R. C. Desai, and Bipin V. Shah. 43 teaching and 72 non-teaching employees were given pre-employment check-up during 1983-84.

Compulsory Medical check-up including Mass-Miniature Radiography and urine examination were conducted for all the new students of the University

by a Board of 14 experts in different specialities at the S.S.G. Hospital. 4,435 students were examined and 1,265 students were advised follow-up treatment for different ailments.

The total attendance of the patients at the Health Centre during the year was 36,091. The number of employees and their dependents was 30,533 and the number of students was 5,558, the average per day being 124.

The total number of different Laboratory Investigations was 2,132.

The total expenditure for medicines was Rs. 87,219-03 during the year. The amount of re-imburement of medical expenses to the University Employees, including the special allowance to patients suffering from Tuberculosis and Cancer, was Rs. 26,729-84 during the year.

The facility of monthly medical allowance of Rs. 30/- p.m. was also extended to the University employees, on the lines of the State Government employees.

## CHAPTER XXIII

### 1. Order Section :

Acquisition Notes :

#### (a) Books :

The University Grants Commission sanctioned a grant of Rs. 5,00,000/- for purchase of books and journals during the year 1983-84 out of the Sixth Plan allocation to be utilized by 31st March, 1985.

The University Grants Commission also sanctioned an amount of Rs. 4,00,000/- for purchase of books in the regional language relating to all disciplines and Rs. 2,00,000/- for books in English language relating to all disciplines for the Library. The individual Departments of various Faculties also received grants for purchase of books and journals for utilization by 31st March, 1985.

There have been some noteworthy additions during the year viz. Encyclopaedia of Indian Philosophies ed. by K. H. Potter, Vols. 1-3, 1977-1981; The Oxford English-Arabic Dictionary of Current Usage ed. by N. N. Doniach, 1981, Abithana Chintamani, the Encyclopaedia of Tamil Literature by A. S. Mudaliar, 1982; The Science of Yoga by Shri Swami Sivananda, 8 vols. 1982; The Art of Book in India by J. P. Losty, 1982; Contribution to Indian Geography, ed. by R. P. Misra, 3 vols. 1983; 1981; Concise Encyclopaedia of Biochemistry tr. from German by Thomas Scott and Mary Brewer, 1983, Fifty Years of Librarianship in India : The National Registrar of Social Scientist in India ed. by N. K. Nijhawan, 1983.

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

<i>Institution</i>	<i>Number of Books</i>
1. Smt. Hansa Mehta Library ( which included books for the Faculties of Arts, Science, Education and Psychology, Commerce, Law, Home Science and the Centre for Continuing/Adult Education and Community Services )	6,802

Institution	Number of Books
2. Faculty of Technology and Engineering	607
3. Faculty of Fine Arts	225
4. Faculty of Performing Arts	37
5. Oriental Institute (Printed Section)	314
6. Polytechnic	814
7. Sanskrit Mahavidyalaya	121
8. Centre of Advanced Study in Education	215
9. M. K. Amin Arts and Science College and College of Commerce, Padra.	176
10. Faculty of Social Work	42
	<u>9,380</u>

Out of these 1771 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. P.
1. Number at the beginning of year	3,06,226	51,286	251	1221	1,21,25,760-62
2. Number added during the year	6,802	1,370	—	—	11,85,198-90
3. Number withdrawn from the record	—	—	—	—	—
4. Number remaining at the end of the year	3,13,028	52,656	251	1221	1,33,10,959-52

(b) Periodicals :

The total number of periodicals and scholarly journals subscribed to was 730 and 1370 volumes of bound periodicals were added to the stock.

2. Cataloguing Section :

(A) Books classified and catalogued during the year :

(i) New accession to University Library	6802
(ii) New accession to Faculty Libraries	2578
	<u>9380</u>

(B) Bound periodicals catalogued and classified : 1370  
 (C) Other details of the work of the section incidental to the above

	For University Library	For Faculty Libraries	Total
(i) Cards type	20,406	12,890	33,296
(ii) Cards filed in the catalogue	20406	12,890	33,296

3. Circulation Section :

As usual the working hours of the Library for the whole academic year i.e. April 1983 to March 1984, except in the months of June, July and August 1983 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.

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

1. Post graduate students	3387
2. Under graduate students	7573
3. Research Scholars, Research Assistants and students etc.	195
4. University Teachers	643
5. Others	82
	<u>11,880</u>

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

1. Daily average number of readers visiting the Library	2500
2. Total number of books issued per day for reading	1545
(a) Average number of books issued per day for home reading from General Collection	221
(b) Average number of books issued per day from Circulation Collection	203
(c) Average number of books issued per day from stacks	854
(d) Average number of books issued per day from Curricular Collection of the New Library	267
3. Average number of books issued per reader in the year	38

4. Reference Section :

(i) Reference Service to Readers :

Reference service has been playing a useful role in the academic life of the University. The usual functions such as answering queries of readers personally,

by correspondence and on phone, providing guidance to students and teachers were performed.

(ii) *Orientation Programme* :—

In the beginning of the academic session, the reference section conducted an orientation programme intended to acquaint and familiarize the new entrants to the working of the various sections of the Library.

(iii) *Exhibition* :

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

(a) *Special Exhibition*

- (1) Gujarati Authors
- (2) U. N. Day
- (3) Careers and courses
- (4) Family Planning
- (5) Cricket

(b) *Weekly Exhibition*

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

(iv) *Bibliographical Activity* :

Bibliographies on the following topics were compiled during the period.

- (1) A List of periodicals holdings in the field of library Science received in Smt. Hansa Mehta Library.
- (2) A List of books available in Smt. Hansa Mehta Library on Health, Nutrition, pre-school Education, Child Development and Child welfare, published in Hindi.

(v) *UNESCO Information Centre* :

To popularise the activities of the UNO and UNESCO, a separate UNESCO centre has been set-up in the Reference Section.

(vi) *The National Library Week* :

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

1. Exhibitions were arranged on the following topics :

(a) *Recent books on Library Science.*

(b) Nehru Literature (14th November being the Birthday of Shri Jawaharlal Nehru also)

(c) Pamphlets and Folders on current events of the country.

2. A Study tour of the students of Library Science was arranged to visit the public Libraries of Baroda and Ahmedabad.
3. A get-together of the staff members of the University Library as well as of the Faculty Libraries was arranged in Smt. Hansa Mehta Library on 20th November, 1983.

(vii) *Theses and Dissertations* :

1. During the period 132 Theses and dissertations were added to the collection of 4581 bringing the total collection to 4713.
2. During the period 1497 readers consulted the theses and Dissertations.
3. A descriptive list of Ph.D. Theses received in the Library from January 1983 to December 1983 was published.

(viii) *Reference Material* :

During the period, 1959 readers consulted the reference books and other reference material.

(ix) *Pamphlets Collection* :

The reference section has a sizable collection of pamphlets. The following statement gives the details of pamphlets collection in the Library :

1. Number at the beginning of the year	18,887
2. Number added during the year	628
3. Number withdrawn from the record	372
4. Number remaining at the end of the year	19,143

**Sir Sayajirao Memorial Trust Library**

Statistics of the use of the Library are as under :—

1. Daily average number of readers visiting the Library	2707
2. Average number of books issued per day from Curricular collection.	267

## CHAPTER XXIV

### 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), a Clerk, one Head Proof Reader, one Jr. Proof Reader and a Copy Holder. There are 42 permanent workers in the Press.

### 2. Machinery

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

### 3. Printing Activities

During the year 1063 plus stencils 1757 examination papers were printed under conditions of secrecy for the University Examination. Main Answer-books of the University Examination and test Answer-books of different Faculties and Institutions were also printed. The Press also printed Syndicate and Senate proceedings, details of Establishment, Annual Accounts, Annual Report, Budget Estimates, Questionnaires, Magazines, Pamphlets, Certificates, General Forms, Prospectus etc. of the Faculties and Institutions. The University Press works purely as a service department of the University since April, 1967.

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

<i>Name of the Book</i>	<i>Publisher</i>
1. Sardar Sarover Project	Department of Botany
2. Sculptures of Sheshayi Vishnu	Department of Art History
3. Emester Magazine	Union Office
4. Hand-Book Part II	M. S. University of Baroda
5. Annual Report	M. S. University of Baroda
6. A Study among the Oragon Tribal Families	Faculty of Home Science
7. Let's Plan a Home Science College (Space, Equipment, Test-Books)	Department of Home Science Education and Extention

<i>Name of the Book</i>	<i>Publisher</i>
8. Tattvasangraha Vol. I	Oriental Institute
9. Tilakmanjari	Oriental Institute
10. Ganesh Vijay Kavya	Oriental Institute
11. વસ્ત્રાના વર્ણ	Department of Gujarati
12. Diary 1984	Stationery Unit
13. Statistical Tables	Faculty of Science

(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 Muscology ( Yearly )
7. Baroda Journal of Nutrition ( Yearly )
8. Social Work Review ( Yearly )
9. Surbharati ( Yearly )
10. M.S.U. News

#### 4. University Stationery Unit

This Unit is the service department of the University and is under the supervision and control of the University Press Manager. The Unit purchases and distributes stationery every quarter to all the Faculties and Institutions and the University Office. The Unit consists of a Senior Clerk, a Clerk, one Rikshaw Driver-cum-stationery distributor, one Helper and one Pagi. During the year under report, stationery articles worth Rs. 7,38,968-83 were purchased and stationery articles worth Rs. 8,27,538-00 were distributed.

#### 5. University Publications Sales Unit

This Unit is also under the control and supervision of the University Press Manager. Its staff consists of a Senior Clerk, Clerk and one Outdoor work assistant/attender. It is working as a book-shop for University Publications. The total Sales during the year amounted to Rs. 76,179-57.

## CHAPTER XXV

The M. S. University Union is a corporate body of the students and teachers of the M. S. University for promoting sports, cultural and welfare activities on the campus.

### 1. The Executive Committee

The Union Executive Committee for the year 1983-84 consisted of 1. President: Shri Dilip H. Mohite, 2. Vice-President: Shri Yogesh J. Akolkar, 3. General Secretary : Shri Chinnam Gandhi Satyam, 4. Treasurer: Shri R. J. Shah and representatives of Film Club, Indoor Games Club, Hiking Club, Badminton, Entertainment, Public Relations, Emester, Campus Beautification and Debates and UNO Committees. Two members were nominated by the M. S. University Syndicate on the Executive Committee of the M. S. University Union. The Executive Committee was further assisted by the University Board of Sports and Students' Aid Fund Committee.

The General Elections were held on Thursday 18th August, 1983. The President under O. 126 assigned different posts to the Secretaries according to their choice. The first meeting of the Executive Committee was convened by the President on 24th August, 1983 and the budget meeting was held on 6th September, 1983 where the budget prepared by the Treasurer was unanimously passed.

### 2. Union Activities

( i ) Mrs. Menaka Gandhi was extended invitation to address the Students on "Youth and Nation". About 10,000 students attended.

( ii ) Pujya Shri Morari Bapu addressed students on February 15th and 16th, 1984. Nearly, 20,000 students attended.

( iii ) The University Youth Festival was organised during the 3rd week of February, 1984 during which Cultural Competitions, Fund Competitions, Elocution and Debates Competitions were held.

( iv ) The film club arranged cinema shows during the University Youth Festival Week.

( v ) The Committee organised Fun Fair on the 3rd and 4th March, 1984 on the Union Pavilion Ground.

## CHAPTER XXVI

## 1. Halls of Residence

One of the prime obligations of a residential unitary University like ours, is to provide hostel accommodation to all the claimants. Since M. S. University is one of the leading Universities in the country offering variety of courses through the medium of English, students from different States in India and abroad come here. The Halls of Residence have continuously tried to fulfil this obligation by stretching their capacity to maximum. 859 women and 2662 men were accommodated in 1983-84 as against 792 and 2651 respectively in 1982-83. Still nearly 700 students had to be turned away. The details of accommodation provided in each Hall are given in Appendix V.

During past few years, election of various secretaries in the Halls of Residence had become political and often disturbed the atmosphere of the University. This year as a measure to correct this all the elections in the Boy's Hostels were conducted on the same day and at the same time and passed off peacefully.

Another new programme was the organising of a Foreign Students' Nite. This unique cultural programme organized by the Central Entertainment Committee of the Halls of Residence had participants from twenty-two countries. The programme of music and dance was recorded by All India Radio and was broadcast later twice for its listeners. A directory of the Foreign Students residing in University Hostels was published on the occasion.

Television sets were purchased by most Halls of Residence from their own funds.

This year the popular Garba programme during Navratri was successfully revived by the Central Entertainment Committee. A large number of girls staying in the Halls participated.

Participation in routine activities like Inter Hostel Sports and games competitions, Lal Bahadur Shastri Debating Competitions, Inter Hostel music evening etc. was good.

The Hall Common Rooms now equipped with T.Vs., Radios, News Papers, Magazine, T. T. Tables, Chess, and Carrom Boards provided a variety of activities to the inmates.

The messes worked satisfactorily this year though the food bills had to be revised because of steep rise in the prices of food stuffs, etc. A few mess contractors had to close down their mess. But a uniform pricing policy of food was maintained throughout in all the Halls. The needs of the non-vegetarians could also be met satisfactorily. A good cafeteria with both vegetarian and non-vegetarian catering is needed on the camps.

## 2. Physical Education Department

(a) *Staff*: The Staff consists of a Director, one Senior Instructor (Women), five Instructors (Men), one Instructor (Women), one Hockey Coach, one Swimming Trainer, one Assistant Swimming Trainer, one Boating Trainer, and one Life Guard.

### (b) *Training in Physical Education* :

Training in Physical Education was imparted to 1202 Men students and 950 Women students from various Faculties and Institutions.

### (c) *Training and Coaching in Games and Sports* :

(1) Cricket (M-45, W-20), (2) Tennis (M-99, W-10), (3) Hockey (M-40, W-20), (4) Football (M-35), (5) Kho-Kho (M-30, W-18), (6) Track and Field Events (M-7), (7) Kabaddi (M-30), (8) Volleyball (M-20), (9) Basketball (M-30, W-20), (10) Boating (M-122, W-7), and Cycling (M-10).

*Note* :—(The number in brackets before the game indicates the regular attendance in the respective game).

There were 205 members (including Men and Women) students in Swimming. In Boating the number was 129 regular and 29 vocational including students.

Special coaching was provided in the following Games and Sports :

Cricket (Men and Women), Football, Volleyball, Basketball (men and women), Athletics (men and women), Kho-Kho (men and women), Hockey (men and women), Kabaddi, Swimming (men and women), Boating (men and women), Tennis (Men and Women).

## (d) *Participation in Tournaments and Competitions* :

### *Inter University Tournaments* :

<i>Name of the Game</i>	<i>Venue</i>
1. Badminton (men and women)	Udaipur
2. Hockey (women)	Aurangabad
3. Best Physique	Jaipur
4. Basketball (women)	Amravati
5. Kho-Kho (men)	Bangalore
6. Kho-Kho (women)	Baramati
7. Football	Jabalpur
8. Athletics (All India)	Trivendrum
9. Table-Tennis (men and women)	Mysore
10. Volleyball	Gujarat Ag. University, Vallabh Vidya Nagar
11. Wrestling	Kurukshetra
12. Chess	Nagpur
13. Swimming (men)	Ahmedabad
14. Tennis (men)	Dharwar

Kum. Dipali Raval and Shri Ashok R. Patel of the Faculty of Commerce represented India by participating in Roller Skating World Championship held at Argentina in November, 1983.

### (e) *National Tournaments* :

#### *Women's Festival* :

The following women players represented Gujarat State Women's Hockey team and Kho-Kho team in Women's Festival (A National Tournament) held at Gandhinagar in November, 1983.

#### *Hockey (Women)* :

1. Kum. Bhavsar Kalpana—Faculty of Law, 2. Kum. Joshi Rekha—Medicine, 3. Kum. Yadav Usha—Science, 4. Kum. Smith Kalpana—Commerce.

#### *Kho-Kho (Women)* :

1. Kum. Panhalkar Rekha—Fine Arts, 2. Kum. Panhalkar Jyoti—Commerce, 3. Kum. Manohar Manisha—Commerce, 4. Kum. Shirke Rekha—Commerce, 5. Kum. Munot Sheela—Arts, 6. Kum. Pradhan Swati—Arts.

*Kho-Kho (Men and Women)* :—The following men and women players of M.S.U. represented Gujarat State in the National Kho-Kho Championship held at Calcutta in December, 1983 :

1. Shri Puranik Ajay—Commerce, 2. Shri Puranik Atul—Commerce, 3. Shri Wadvana Mukesh—Commerce, 4. Kum. Panhalkar Rekha—Fine Arts, 5. Kum. Panhalkar Jyoti—Commerce, 6. Kum. Manohar Manisha—Commerce, 7. Kum. Shirke Rekha—Commerce, 8. Kum. Munot Sheela—Arts, 9. Kum. Pradhan Swati—Arts.

*Basketball (Men and Women)* :—The following players represented Gujarat State in National Basketball Championship held at Calicut in the month of December, 1983 :

1. Shri Sanjay Singh Gill (Captain Gujarat State team)—Science, 2. Shri Jaydeep Modi—Fine Arts, 3. Kum. Kalpana Desai (Captain Gujarat State team)—Commerce, 4. Kum. Jyotsna Srinivasan—Arts, 5. Kum. Nadia Mehrin—Commerce.

The following players represented Gujarat State in Junior National Basketball Championship held at Indore in May, 1983 :

1. Shri Modi Jaydeep—Fine Arts, 2. Shri Gupta Neeraj—Science.

*Hockey (Men) :*

The following players participated in National Phase One West Zone Hockey Championship held at Pune in the month of September, 1983 :

1. Shri Patel Soyab, Tech. and Engg. 2. Shri Bagul Arvind—Tech. and Engg.

*Hockey (Women) :*

The following participated in National Hockey Championship held at Simla in November, 1983 :

1. Kum. Bhavsar Kalpana—Law, 2. Kum. Tailor Jayesha—Arts, 3. Kum. Yadav Usha—Science, 4. Kum. Smith Kalpana—Commerce.

Kum. Preeti Vakil of Faculty of Commerce represented Gujarat State as a Goal-keeper in Junior National Hockey Championship held at Muradabad in the month of October, 1983.

(f) *Other State Level Tournament :*

*Basketball (Men)* :—M.S.U. Team participated in A.B.C. Cup. Championship—held at Ahmedabad and was Runners Up.

(g) *State Tournaments :*

*Athletics (Men\* and Women)* :—The following players participated in State Athletic Championship held at Ahmedabad in the December, 1983 :

- (3) Shri Sandeep Sawant —Commerce—3rd in 800 Mts. Run.  
 (4) Kum. Jaqline Fernandez —Commerce—2nd in Discuss Throw  
 —3rd in High Jump.  
 —3rd in Javelin Throw.  
 (5) Men Relay Team —2nd in 4 X 100 Mts. Relay.  
 —2nd in 4 X 400 Mts. Relay.

*Football* :—Shri Herinderjit Singh Banga—Commerce, represented Baroda District Team in State Championship held at Mehsana in February, 1984.

(h) *Local Tournaments :*

*Hockey (Women) :*

- (1) Participated in Baroda District Women's Championship and won the Championship.  
 (2) Participated in Open Baroda District Knockout Tournament and won the Championship.  
 (3) Participated in Open Baroda District League Tournament and became Runners Up.

*Basketball (Men)* :—Participated in District Open Tournament at Gujarat Refinery and won the Championship.

*Cricket (Men) :—*

- (1) Participated in H. D. Zaveri League Cricket Tournament.  
 (2) M. C. Ghia Cricket Trophy and  
 (3) Randal Cup Cricket Tournament.  
 In Zaveri League Tournament 'B' Team is on the Top.

*Football* :—Participated in Flood Light Football Tournament and Semifinals.

*Hockey (Men)* :—Participated in the League and Knockout Tournament.

(j) *Achievement by Staff :*

- I. (1) Shri R. N. Thatte, read a paper on "Methods of Training" in the All India Seminar of Kabaddi for officials held at Baroda.  
 (2) Attended a Seminar on "Supervision in Physical Education Modern Trends and Techniques" held at Gwalior from March 1st to 3rd, 1984 at the invitation of Lakshmi Bai National College of Physical Education, Gwalior.  
 (3) Participated in the Workshop on N.S.S. held at Ahmedabad on 19th March, 1984 organised by N.S.S. Department, Gujarat University, Ahmedabad.

- II. (1) Shri R. Rajagopalan, attended a Seminar on "Sports Medicine" held at Bhavnagar, organised by Bhavnagar University in April, 1983.
- (2) Shri S. G. Kanani, Temporary Physical Instructor—represented Gujarat State in National Malkhamb Championship held at Bombay in January, 1984.
- (k) *Inter-Faculty Tournaments*—(1983-84) :
- (1) Results of the Inter-Faculty Tournament for various Games and Sports—1983-84:

Sr.No.	Game	Winners	Runners Up
1.	Football	Tech. and Engg.	Commerce
2.	Hockey	Commerce	Tech. and Engg.
3.	Hockey (Women)	Science	Commerce
4.	Basketball (Women)	Commerce	Arts
5.	Basketball (Men)	Science	Medicine
6.	Cricket (Men)	Polytechnic	Commerce
7.	Tennis	Tech. and Engg.	Medicine
8.	Open-Tennis Championship	Shri Sandeep Patel (of Medicine)	Shri Gokul Shodhan (of Tech. and Engg.)

- (2) Results of the Annual Boating Competitions—1983-84 :—
- (1) Shri Manoj Ukhade—(Social Work) won the individual Championship for Men for 1983-84.
- (2) Kum. Kalpana Patel—(Medicine) won the Individual Championship for Women for the year 1983-84.
- (3) Results of the Annual Swimming Meet—1983-84 :
- (1) Shri Pankaj J. Singh—(Polytechnic) won the Individual Championship for the year 1983-84.
- (4) Athletics :
- (1) Shri John D'costa—(Tech. and Engg.) won the Individual Championship for the year 1983-84.
- (5) Cricket :
- (2) Ranji Centenary Trophy and Cash Award of Rs. 300/- for the best Cricketers for the year 1983-84 was awarded to Shri Rakesh Parikh of Music College.

(1) *High Lights :*

## Cricket (Men) :

Shri Rakesh Parikh—(Music College) Captain of the University Cricket Team was selected in the Baroda Ranji Trophy team and played two Interzonal Ranji Trophy Championship matches. He was also selected for West-Zone in the Vizzy Trophy Tournaments held at Bombay.

1. Shri Abhay Palkar—(Polytechnic) and 2. Shri Sachin Dalvi—Commerce, were selected and played for West-Zone in the C. K. Naidu Trophy.

*Kho-Kho* :—Kum. Rekha Panhalkar of Faculty of Fine Arts led Gujarat State Women's Kho-Kho Team in the capacity of Captain in Women's Festival held at Gandhinagar in November, 1983 and National Kho-Kho Tournament held at Calcutta in December, 1983.

## 3. National Cadet Corps

1. *Units and Enrolment :*

Enrolment of officers and cadets during the year was as under :

	Name of Unit	NCC Officer	NCC Cadets
(a)	3 Gujarat Bn NCC, Baroda	2	370
(b)	1 Gujarat Composite Tech. Regl. NCC Baroda	2	160
(c)	Company 6 Gujarat Girls Bn NCC, Baroda	1	100
(d)	2 Gujarat Naval Unit NCC, Baroda	2	180
(e)	1 Gujarat Air Sqn NCC, Baroda	1	180

(2) *Training :*

Training of all the units started in July, 1983 and terminated in March 1984. A large number of officers and cadets took part in the Directorate General Organised Camps/Courses, Annual Training Camps and Attachment to Regular Units. Some of the highlights of training are as under :

(a) Annual Training Camps—Attended by NCC Cadets of M. S. University :

Sr.No.	Unit	Vacancy allotted		Vacancy Utilised	
		NCC Part-Time Officers	Cadets	NCC Part-Time Officers	Cadets
(i)	3 Gujarat Bn NCC	4	150	3	105
(ii)	Company, 6 Guj Girls Bn	1	125	1	75
(iii)	2 Guj Naval Unit NCC	2	100	1	100
(iv)	1 Gujarat Air Sqn NCC	1	70	1	43

## (b) Directorate General Organised Camps :

Sr.No.	Name of Camp	Vacancy allotted		Vacancy Utilised	
		NCC Part-Time Officers	Cadets	NCC Part-Time Officers	Cadets
( i )	Basic Leadership Camp of SD Boys held at Tanjavar from May 18-31, 1983	1	8	1	8
( ii )	Basic Leadership Camp of SD Boys held at Bhowali (UP) from May 27-9 June, 1983	—	4	—	4
( iii )	Advance Leadership Camp of SD Cadets held at Mount Abu (Rajasthan) from May 11-1 June, 1983	—	4	—	3
( iv )	Advance Leadership Camp of SD Boys held at Panchmura (MP) from May 16-5 June, 1983	—	4	—	4
( v )	Basic Leadership Camp of Senior Wing Girl Cadets held at Belgaum (Karnataka) from June 2-13, 1983	—	4	—	4
( vi )	Basic Leadership Camp of Senior Wing Girl Cadets held at Nagercoil (Tamil Nadu) from May 11-22, 1983	1	8	1	8
( vii )	Advance Leadership Camp of Senior Wing Cadets held at Satara (Maharashtra) from May 14-3 June, 1983	—	3	—	3
( viii )	Nau Sainik Camp of SD Boys held at Cochin (Kerala) from June 7-20, 1983	—	6	—	6
( ix )	Vayu Sainik Camp of SD/SW/ Boy/Girl Cadets held at Secundrabad from Oct. 6-19, 1983	1	11	1	11
( x )	Advance Leadership Camp of SD Boys held at Susania Hill ( West Bengal) from Nov. 15-5 Dec., 1983	—	1	—	1

(c) 13 Cadets attended the Republic Day parade and Prime Minister's Rally on 26th January in New Delhi.

## (d) Attachment to Regular Unit :

Cadets were attached to the Regular Army unit as under :

Sr.No.	Unit	Vacancy allotted		Vacancy Utilised		Type of Regular unit
		NCC Part-Time Officers	Cadets	NCC Part-Time Officers	Cadets	
( i )	3 Guj Bn NCC	—	25	—	25	Army unit
( ii )	1 Guj Comps Tech Regt NCC	1	6	—	6	Army unit
( iii )	6 Guj Girls Bn NCC	—	4	—	3	M H Ahmedabad
( iv )	2 Guj Naval Unit	—	2	—	2	Bombay
( v )	1 Guj Air Sqn NCC	—	4	—	3	AFS Jamnagar

## (e) Delegation of NCC Cadets to Singapore :

GUJ/SW/82/98113 CDT SGT Shanti Srinivasan of 6 Gujarat Girls Bn NCC attached to 1 Gujarat Air Sqn NCC for training, has been selected for delegation to Singapore.

## (f) Adventure Training Cycle Expedition :

An Inter-State Cycle expedition was carried out from Ahmedabad to Bhopal and back from 17 October to 30 October, 1983 4 of our cadets participated in the expedition.

## (g) Para Trooping :

2 Cadets attended Para Trooping Training at Agra in October, 1983.

## 4. Competitions

(a) The Details of cadets who participated in Ship Modelling Competition are shown as under :

Place where Competition held	Date	No. of Cadets	Prizes Won
Delhi	8 Oct., 1983	3	12 Prizes

(b) The cadets of 1 Gujarat Air Sqn NCC Baroda participated in the Aeromodelling Rally at Madras and obtained one Gold and One Silver Medal in Static Model.

- (c) GUJ/SD/81/99073 CDT SGT Yamin Khan Bathan of 3 Gujarat Bn NCC secured first position in shooting competition conducted during Advance Leadership Camp with Rock Climbing at Panchmarthi from 16 May to 3 June, 1983.
- (d) GUJ/SA/82/58532 CDT CPL Dhiraj L. Patel of 1 Gujarat Air Sqn NCC secured first position in special Quarter Guard Trophy competition conducted in Advance Leadership Camp of SD Boys at Jaichand Pahar ( West Bengal )
- (e) GUJ/SG/98113 CDT SGT Shanti Srinivasan of 6 Gujarat Girls Bn NCC attached to 1 Guj Air Sqn NCC for training secured first position during RDC Delhi :  
 ( i ) Cultural item ( Group Dance ).  
 ( ii ) Best Dressed Cadet.
- ( f ) GUJ/SD/82/98112 CDT SGT Ragini Mahrotra of 6 Guj Girls Bn NCC attached with 1 Guj Air Sqn NCC for training secured first position in Cultural item ( Group Dance ) and was awarded a cup.

#### 5. Governor's Medal for 1982-83

U/O Mohanbir Singh of 1 Guj Compo Tech Regt NCC has been awarded Governor's Medal for 1982-83.

#### 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, draught, chess, table tennis, etc. and for reading news-papers, periodicals and books. Committees consisting of 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. National Service Scheme

The National Service Scheme Programme has completed 14 years. The newly enrolled 1501 student Volunteers were given a brief orientation about the different projects of N.S.S. and the learning opportunities provided by them particularly in three settings i.e. (1) Village Development, (2) Slum Improvement, (3) Social Welfare Institutions.

The following table gives the Sex and Faculty/Collegewise distribution of students enrolled :

Sr.No.	Faculty/College	Male	Female	Total
1.	Commerce	343	243	586
2.	Arts	074	060	134
3.	Science	071	042	113
4.	Polytechnic	149	006	155
5.	Technology and Engineering	079	032	111
6.	Home Science	—	051	051
7.	Fine Arts	025	002	027
8.	Medicine	172	035	207
9.	Padra College ( Arts, Science, Commerce )	055	036	091
10.	Social Work	008	007	015
11.	Music College	005	002	007
12.	Law	003	001	004
	Grand Total	984	517	1501

#### A. Village Development Project :

The Village Development Project has been undertaken in three villages i.e. Sindhrot, Kotalli and Khatamba. Every Sunday a batch of students visits the village and participate in the previously planned activities, which include manual labour work for three to four hours, an educational Project of 1½ hours where a group game is given to students for providing experience of group life, informal group activities, etc.

#### B. Slum Improvement Project :

A slum Improvement Project was undertaken in Akota Harijanvas and Shankarnagar. A project for promoting smokeless ovens in different slums of Baroda City was launched in collaboration with U.C.D. Project of Baroda Municipal Corporation, Baroda.

Activities included play centre activities for children, educational guidance programme, recipe demonstration for women, identification of unprotected children and organising immunisation camps, community education programme in family planning.

#### C. Social Welfare Institution :

Of the various Social Welfare Agencies Baroda has, N.S.S. volunteers selected to work in two agencies namely Remand Home for Boys and Girls and Workshop for the blind.

**Central Project**

Students from disciplines such as Fine Arts, Home Science, Social Work etc. were involved in planning and execution of these projects as students leaders:

- (A) *Projects for Disabled Persons*:—This project involve University youth in programme of visually handicapped people in Baroda City.
- (B) *Creative Activity Project*:—This is a project which identifies the creative talents of the volunteers and uses them for the community.
- (C) *Cultural Activity Project*:—The volunteers are given training in performing arts, and programmes are given in schools, indoor sections of the hospitals, slums and villages.

**Special Events—1983-84**

1. *Participation by N.S.S. volunteers in Research Project of Municipal School Board* :

For the Municipal School Board Project to identify and assists low learners and poor performers. N.S.S. volunteers administered the tests in 4 different schools. About two hundred children in each school were covered.

2. *School Orientation Project* :

Students attending the Winter Camp at Kanzat gave introductory talks to Kanzat High School pupils with a view to helping them to decide joining ACC, NCC, or NSS later.

**Special Camping Programme—1983-84**

17 NSS Project Camps of ten days each involving 645 participants were organised during the academic year. Out of these 17 camps, two camps were exclusively for flood relief. The educational and recreational activities were also given due importance. These camps were organised in collaboration with Panchayat Machinery Development Department of the Government, Industrial Houses and Voluntary Agencies. The details of these camps are as under :

Sr. No.	Place of the Camp	Duration	Total number of participants
1.	Kotali—I	May 13-25, 1983	53
2.	Sindhrot—I	May 16-26, 1983	40
3.	Mota-Fofalia	May 23-2 June, 1983	73
4.	Goraj	May 28-7 June, 1983	40
5.	Vadia	June 4-14, 1983	46

Sr. No.	Place of the Camp	Duration	Total number of participants
6.	Methi	June 6-16, 1983	46
7.	Panelav—I	June 24-4 July, 1983	47
8.	Kotali—II	June 28-8 July, 1983	25
9.	Kanza	July 14-25, 1983	40
10.	Kaddach	Aug. 3-15, 1983	43
11.	Sindhrot—II	Nov. 11-21, 1983	47
12.	Mastupura	Nov. 13-23, 1983	35
13.	Kanzat	Nov. 15-25, 1983	25
14.	Bhilpur	Nov. 17-27, 1983	26
15.	Adol	Nov. 22-2 Dec., 1983	21
16.	Panelav—II	Nov. 23-3 Dec., 1983	18
17.	Panelav—III	Dec. 6-18, 1983	20
			645

**Achievements of Special Camping Programme—1983**

*Physical targets achieved in creation of durable community assets :*

1.	Bavla type latrines	154
2.	Soak-pits	351
3.	Bath-rooms	168
4.	Smokeless Ovens	287
5.	Paniyaras	171
6.	Ventilators	216
7.	Tree Plantation Pits dug— 2' × 2' × 2'	6930
8.	Compost/Plantation Pits dug— 6' × 3' × 3'	22
9.	Construction of Community Hall (Octagonal shaped length 20')	1
10.	Soil work for land reclamation	417.41 brass of soil work

Over and above this 8 foundation pits measuring 3' × 3' × 5' were dug. 9 slabs were cast by the campers for construction of Bavla type latrine. Land levelling and reclamation work was done on 5 acres of land. A pit measuring 60' × 40' × 9' created by flood water was filled by the campers under land reclamation. 200 slogans emphasising the importance of health and cleanliness were written on the walls of the village. The work of soil filling in Balwadi rooms was undertaken. A canal of 75' in length was constructed. Besides doing the soil work the flood relief campers helped 16 families remove debris from their dismantled houses and 100 bags of decayed food grains were cleared.

## FACULTY OF ARTS

No. of Students enrolled in various courses during the year 1983-84 :

	Men	Women	Total
(A) <i>Certificate</i> :			
German	136	26	162
Russian	7	—	7
French	71	20	91
Modern Persian	3	1	4
	<u>217</u>	<u>47</u>	<u>264</u>
(B) <i>Diploma</i> :			
German	31	9	40
Russian	4	—	4
French	13	10	23
Persian	11	1	12
	<u>59</u>	<u>20</u>	<u>79</u>
(C) <i>Post - Diploma</i> :			
German	4	4	8
Russian	1	—	1
	<u>5</u>	<u>4</u>	<u>9</u>
(D) <i>Degree</i> :			
F.Y.B.A.	139	296	435
S.Y.B.A.	127	172	299
T.Y.B.A.	121	258	379
	<u>387</u>	<u>726</u>	<u>1113</u>
Library Science	2	27	29
(E) <i>Post - Graduate</i> :			
M.A. Part I	122	152	274
M.A. Part II	93	107	200
	<u>215</u>	<u>259</u>	<u>474</u>
M.Phil.	1	3	4
Ph.D.	6	14	20
<b>Grand Total</b>	<u>892</u>	<u>1100</u>	<u>1992</u>

## FACULTY OF SCIENCE

	Men	Women	Total
Diploma in Laboratory Techniques Ist Year	11	—	11
IInd Year	7	—	7
	<u>18</u>	<u>—</u>	<u>18</u>
F.Y.B.Sc.	478	286	764
S.Y.B.Sc.	279	192	471
T.Y.B.Sc.	228	170	398
	<u>985</u>	<u>648</u>	<u>1633</u>
M.Sc. ( Previous )	153	102	255
M.Sc. ( Final )	145	83	228
M.Sc. ( Applied Geog. )	007	—	007
Post M.Sc. Diploma in Nutrition Bio-Chemistry	003	01	004
	<u>308</u>	<u>186</u>	<u>494</u>
Ph.D.	45	15	60
<b>Grand Total</b>	<b>1356</b>	<b>849</b>	<b>2205</b>

## FACULTY OF EDUCATION AND PSYCHOLOGY

<b>(a) Post-Graduate Diploma :</b>			
( i ) Post-graduate Diploma in Educational Administration	4	2	6
( ii ) Post-graduate Diploma in Organizational Behaviour	7	1	8
( iii ) Post-graduate Diploma in Clinical and Community Psychology	2	7	9
	<u>13</u>	<u>10</u>	<u>23</u>
<b>(b) Degree :</b>			
( i ) B.Ed.	122	59	181
( ii ) S.Y.B.A. ( Psycho. )	8	38	46
( iii ) T.Y.B.A. ( Psycho. )	7	39	46
	<u>137</u>	<u>136</u>	<u>273</u>

	Men	Women	Total
<b>(c) Post-Graduate Degree :</b>			
( i ) M.A. ( Psychology ) Junior	2	14	16
( ii ) M.A. ( Psychology ) Senior	4	20	24
( iii ) M.Ed. ( Junior )	4	6	10
( iv ) M.Ed. ( Senior )	9	8	17
( v ) M.Ed. ( Full Time—One Year )	4	9	13
	<u>23</u>	<u>57</u>	<u>80</u>
<b>(d) Ph.D. :</b>			
( i ) Education and Edul. Adm.	3	3	6
( ii ) Psychology	2	1	3
	<u>5</u>	<u>4</u>	<u>9</u>
<b>Grand Total</b>	<b>178</b>	<b>207</b>	<b>385</b>

## FACULTY OF COMMERCE

U.G. Diploma in Co-operation	09	—	09
<b>Degree :</b>			
F.Y.B.Com.	936	723	1659
S.Y.B.Com.	808	663	1471
T.Y.B.Com.	732	579	1311
<b>Post-Graduate Diploma :</b>			
Banking	039	035	74
Co-operation	011	004	15
<b>Post-Graduate Degree :</b>			
M.Com. ( Previous )	481	142	623
M.Com. ( Final )	322	098	420
Ph.D.	001	001	2
<b>Grand Total</b>	<b>3339</b>	<b>2245</b>	<b>5584</b>

## FACULTY OF MEDICINE

<b>(a) Degree :</b>			
Ist Year			
2nd Year			
3rd Year			
4th Year			
5th Year			
<b>Total</b>	<b>604</b>	<b>144</b>	<b>748</b>

	Men	Women	Total
<b>(b) Post-graduate Diploma :</b>			
Junior	46	12	58
Senior	31	11	42
<b>Total</b>	<b>77</b>	<b>23</b>	<b>100</b>
<b>(c) Post-Graduate Degree :</b>			
Junior	70	14	84
Senior	110	23	133
<b>Total</b>	<b>180</b>	<b>37</b>	<b>217</b>
<b>(d) Ph.D.</b>			
	5	4	9
<b>Grand Total</b>	<b>860</b>	<b>208</b>	<b>1074</b>

**FACULTY OF TECHNOLOGY AND ENGINEERING**

<b>(a) Diploma :</b>				
Textile Chemistry	I Yr.	24	—	24
	II Yr.	17	—	17
	III Yr.	10	—	10
B.Sc. (Diploma)		67	—	67
Textile Technology	I Yr.	23	1	24
	II Yr.	12	—	12
(Final)	III Yr.	16	—	16
		<b>169</b>	<b>1</b>	<b>170</b>
<b>(b) Degree :</b>				
<b>B.E. I (4 Years)</b>				
Civil		142	12	154
Mechanical		90	6	96
Electrical		56	13	69
Chemical		32	1	33
Metallurgy		60	1	61
Electronics		35	1	36
Computer		29	2	31
<b>B.E. II (4 Years)</b>				
Civil		129	4	133
Mechanical		95	—	95

Year/Class	Men	Women	Total
Electrical	53	11	64
Chemical	31	—	31
Metallurgy	13	4	17
Electronics	29	—	29
Computer	20	—	20
<b>B.E. III (4 Years)</b>			
Civil	77	5	82
Mechanical	103	1	104
Electrical	43	4	47
Chemical	33	1	34
Metallurgy	6	1	7
Electronics	36	3	39
<b>B.E. IV (5 Years)</b>			
Civil	76	1	77
Mechanical	74	2	76
Electrical	21	7	28
Chemical	12	—	12
Metallurgy	22	1	23
Electronics	14	1	15
<b>B.E. V (5 Years)</b>			
Civil	83	1	84
Mechanical	86	—	86
Electrical	42	6	48
Chemical	23	—	23
Metallurgy	29	—	29
Electronics	19	1	20
<b>B.E. IV. (4 Years)</b>			
Civil	34	2	36
Mechanical	74	—	74
Electrical	22	6	28
Chemical	28	—	28
Metallurgy	1	—	1
Electronics	16	3	19
F.Text. Engg.	30	2	32
F.Text. Tech.	29	—	29

	Men	Women	Total
S.Text. Engg.	22	—	22
S.Text. Tech.	30	—	30
T.Text. Tech.	29	—	29
T.Text. Engg.	16	—	16
B.Text. Engg.	30	—	30
B.Text. Tech.	34	—	34
B.Sc. Tech. I	22	—	22
B.Sc. Tech. II	16	—	16
B.Sc. Tech. III	19	—	19
Post. B.Sc. (Electro.) I	22	—	22
Post. B.Sc. (Electro.) II	20	2	22
Post B.Sc. (Electro.) III	32	—	32
B.Arch. I Yr.	15	22	37
B.Arch. II Yr.	17	12	29
B.Arch. III Yr.	18	18	36
B.Arch. IV Yr.	21	13	34
B.Arch. (Final) Yr.	20	17	37
B.Pharm. I	9	25	34
B.Pharm. II	7	7	14
B.Pharm. III	7	14	21
B.Pharm. IV	5	19	24
<b>Total</b>	<b>2258</b>	<b>252</b>	<b>2510</b>

(c) *Post-graduate Diploma :*

P. G. Diploma in Low Cost Housing	1	1	2
	<u>1</u>	<u>1</u>	<u>2</u>

(d) *Post B.Sc. Diploma :*

Corrosion Technology	6	—	6
Material Testing Technology	8	—	8
Solid State Electronics	16	1	17
Operation Research	9	1	10
Computer Applications	13	6	19
	<u>52</u>	<u>8</u>	<u>60</u>

(e) *P. G. Course :*

Jr. and Sr. Civil	31	1	32
Mechanical	33	—	33

	Men	Women	Total
Electrical	19	—	19
Chemical	17	—	17
Metallurgy	5	—	17
M.Text. Engg. I and II	11	1	12
M.Pharm. I and II	6	4	10
M.Sc. (App. Phy.) I and II	41	4	45
M.Sc. (App. Maths.) I and II	39	19	58
M.Sc. (App. Chem.) I and II	41	9	50
	<u>243</u>	<u>38</u>	<u>281</u>

(f) *Ph.D. :*

Civil	3	—	3
Chemical	2	—	2
Electrical	1	—	1
Pharmacy	2	1	3
App. Chemistry	7	3	10
App. Physics	9	1	10
	<u>24</u>	<u>5</u>	<u>29</u>

## SUMMARY

(a) Diploma	169	1	170
(b) Degree	2258	252	2510
(c) P.G. Diploma	1	1	2
(d) Post B.Sc. Diploma	52	8	60
(e) P.G. Degree	243	38	281
(f) Ph.D.	24	5	29
<b>Grand Total</b>	<b>2747</b>	<b>305</b>	<b>3052</b>

## FACULTY OF FINE ARTS

(a) *Diploma :*

Ist Year	10	3	13
2nd Year	7	7	14
3rd Year	5	3	8
4th Year	32	6	38
	<u>54</u>	<u>19</u>	<u>73</u>

(b) *Post Diploma :*

Junior	15	3	18
Senior	10	6	16
	<u>25</u>	<u>9</u>	<u>34</u>

	Men	Women	Total
(c) Degree :			
1st Year	36	31	67
2nd Year	19	21	40
3rd Year	13	23	36
4th Year	13	8	21
	<u>81</u>	<u>83</u>	<u>164</u>
(d) Post-Graduate Degree :			
Junior	20	10	30
Senior	23	13	36
	<u>43</u>	<u>23</u>	<u>66</u>
(e) Ph.D.	7	3	10
	<u>7</u>	<u>3</u>	<u>10</u>
<b>Grand Total</b>	<b>210</b>	<b>137</b>	<b>347</b>

## FACULTY OF HOME SCIENCE

(a) Diploma :			
1st Year			18
2nd Year	—	18	18
(b) Degree :			
1st Year			200
2nd Year	—	200	153
3rd Year	—	153	148
	—	148	<u>501</u>
(c) Post-Graduate Diploma :			
Junior			25
Senior	—	25	—
(d) Post-Graduate Degree :			
Junior M.Sc.			59
Senior M.Sc.	—	59	61
	—	60	27
(e) Ph.D.	—	27	<u>709</u>
<b>Grand Total</b>	<b>1</b>	<b>708</b>	

## FACULTY OF SOCIAL WORK

	Men	Women	Total
Post-graduate Diploma in I.R. and P.M.	6	1	7
Post-graduate Degree :			
Junior	24	10	34
Senior	26	15	41
	<u>56</u>	<u>26</u>	<u>82</u>
<b>Grand Total</b>	<b>56</b>	<b>26</b>	<b>82</b>

## FACULTY OF LAW

(a) Degree :			
1st LL.B.	604	96	702
2nd LL.B.	226	44	270
LL.B. Special	87	16	103
	<u>919</u>	<u>156</u>	<u>1075</u>
(b) Post-Graduate Diploma :			
D.L.P.	167	26	193
D.T.P.	256	36	292
	<u>423</u>	<u>62</u>	<u>485</u>
(c) Post-Graduate Degree :			
LL.M. Part—I	30	02	32
LL.M. Part—II	10	00	10
	<u>40</u>	<u>02</u>	<u>42</u>
(d) Ph.D.	3	00	03
	<u>3</u>	<u>00</u>	<u>03</u>
<b>Grand Total</b>	<b>1385</b>	<b>220</b>	<b>1605</b>

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

Degree Course in Arts :			
Ist Year	19	6	25
IInd Year	13	16	29
IIIrd Year	12	06	18
	<u>44</u>	<u>28</u>	<u>72</u>

	Men	Women	Total
<i>Degree Course in Commerce :</i>			
Ist Year			486
IInd Year	365	121	305
IIIrd Year	248	57	244
	209	35	
	<u>822</u>	<u>213</u>	<u>1035</u>
<b>Grand Total</b>	<b>866</b>	<b>241</b>	<b>1107</b>

### FACULTY OF PERFORMING ARTS

<i>(a) Diploma :</i>			
1st Year			353
2nd Year	233	120	189
3rd Year	97	92	162
4th Year	90	72	79
5th Year	35	44	57
	32	25	
	<u>487</u>	<u>353</u>	<u>840</u>
			2
<i>(b) Post Diploma :</i>			
		2	
<i>(c) Degree :</i>			
1st Year			50
2nd Year	23	27	43
3rd Year	21	22	31
	11	20	
	<u>55</u>	<u>69</u>	<u>124</u>
<i>(d) Post-graduate Degree :</i>			
Junior			11
Senior	2	9	9
	3	6	20
	<u>5</u>	<u>15</u>	<u>9</u>
<i>(e) Ph.D.</i>			
	3	6	
	<u>3</u>	<u>6</u>	<u>995</u>
<b>Grand Total</b>	<b>550</b>	<b>445</b>	

### SANSKRIT MAHAVIDYALAYA, BARODA

#### Certificate—(Veda Branches) :

I Year

Men Women

20

20

	Men	Women	Total
IInd Year	11	—	11
IIIrd Year	7	—	7
IVth Year	1	—	1
Vth Year	1	—	1
	<u>40</u>	<u>—</u>	<u>40</u>

#### Pratham Kaksha (Certificate Course)

Ist Year	8	—	8
IInd Year	2	—	2
IIIrd Year	2	—	2
	<u>12</u>	<u>—</u>	<u>12</u>

#### Diploma (Visharad) :

Ist Year	61	1	62
IInd Year	13	—	13
IIIrd Year	4	—	4
IVth Year	5	—	5
Vth Year	2	—	2
	<u>85</u>	<u>1</u>	<u>86</u>

#### Degree (Shastri) :

Ist Year	18	1	18
IInd Year	2	1	3
IIIrd Year	3	—	3
	<u>23</u>	<u>1</u>	<u>24</u>

#### Post-Graduate (Acharya) :

Ist Year	2	—	2
IInd Year	2	1	3
	<u>4</u>	<u>1</u>	<u>5</u>

#### Ph.D. (Vachaspati) :

	2	—	2
<b>Grand Total</b>	<b>166</b>	<b>3</b>	<b>169</b>

### POLYTECHNIC

	Men	Women	Total
<i>First Year :</i>			
Civil	122	12	134
Mech.	121	—	121
Elect.	95	13	108
PCT	46	1	47
			410

	Men	Women	Total	
<i>Second Year :</i>				
Civil	146	13	159	} 380
Mech.	93	—	93	
Elect.	77	8	85	
PCT	35	8	43	
	<u>351</u>	<u>29</u>	<u>380</u>	
<i>Third Year :</i>				
Civil	147	6	153	} 388
Mech.	141	—	141	
Elect.	72	2	74	
PCT	43	—	43	
	<u>403</u>	<u>8</u>	<u>411</u>	43 <u>401</u>
<i>Final Year :</i>				
PCT	57	1	58	} 58
P.D.D.	23	—	23	
	<u>80</u>	<u>1</u>	<u>81</u>	23 <u>81</u>

## HIGHER SECONDARY COURSES

<i>Ist Semester :</i>				
Civil	74	4	78	} 221
Mech.	79	—	79	
Elect.	61	3	64	
	<u>214</u>	<u>7</u>	<u>221</u>	
<i>IIIrd Semester :</i>				
Civil	72	1	73	} 189
Mech.	68	—	68	
Elect.	47	1	48	
	<u>187</u>	<u>1</u>	<u>189</u>	
<i>Vth Semester :</i>				
Civil	92	—	92	} 203
Mech.	81	—	81	
Elect.	30	—	30	
	<u>203</u>	<u>—</u>	<u>203</u>	203 <u>613</u>

## PART—I

	Men	Women	Total
<i>Ist Year :</i>			
Civil	65	—	65
Mech.	77	—	77
Elect.	66	1	67
	<u>208</u>	<u>1</u>	<u>209</u>
<i>IInd Year :</i>			
Civil	48	—	48
Mech.	52	—	52
Elect.	48	—	48
	<u>148</u>	<u>—</u>	<u>148</u>
<i>IIIrd Year :</i>			
Civil	34	—	34
Mech.	35	—	35
Elect.	19	—	19
	<u>88</u>	<u>—</u>	<u>88</u>
<i>Final Year :</i>			
Civil	40	1	41
Mech.	37	—	37
Elect.	32	—	32
	<u>109</u>	<u>1</u>	<u>110</u>
<b>Grand Total</b>	<b>2375</b>	<b>75</b>	<b>2450</b>

Statement showing the number of university students during the academic year 1983-84

Sr. No.	Faculties/Institutions	Post-Graduate Courses		Degree Courses		Diploma Courses		Total		Grand Total 83-84		Grand Total 82-83		Grand Total 81-82	
		Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
1	2	3	4	5	6	7	8	9	10	11	12	13			
1.	Faculty of Arts	224	303	387	726	64	24	675	1053	1728	2190	2624			
2.	Faculty of Science	350	200	985	648	21	1	1356	849	2205	2288	2346			
3.	Faculty of Education and Psychology	26	47	137	136	13	10	176	193	369	505	489			
4.	Faculty of Commerce	804	241	2476	1965	59	39	3339	2245	5584	5515	5196			
5.	Faculty of Tech. and Engg.	267	43	2258	252	222	10	2747	305	3052	3248	3524			
6.	Faculty of Fine Arts	50	26	81	83	79	28	210	137	347	361	402			
7.	Faculty of Home Science	1	164	—	501	—	61	1	726	727	712	744			
8.	Faculty of Social Work	50	25	—	—	6	1	56	26	82	83	100			
9.	Faculty of Law	43	2	919	156	423	62	4385	220	1605	1761	2434			
10.	Faculty of Performing Arts	8	21	55	69	—	—	63	90	153	157	125			
11.	Faculty of Medicine	185	41	604	144	77	23	866	208	1074	1030	1145			
12.	Baroda Sanskrit Mahavidyalaya	6	1	23	1	85	1	114	3	117	60	153			
13.	M. K. Amin Arts and Sci. College and College of Commerce	—	—	866	241	—	—	866	241	1107	1800	1946			
14.	Polytechnic	—	—	—	—	2375	75	2375	75	2450	2708	3113			
	Grand Total	2014	1114	8791	4922	3424	335	14229	6371	20600	22418	24401			

Statement showing the Growth of Student Enrolment

The University started with 2,962 students on its roll. In 1983-84 it had 20,600 University students and Non-University students. The following table gives student enrolment figures for the last five years. Here percentage has been calculated, considering 1979-80 as the base year:

Year	Total enrolment	Percentage Increase
1979-80	18,972	—
1980-81	19,238	1.4%
1981-82	24,341	28.3%
1982-83	22,418	18.2%
1983-84	20,600	8.6%

## Statement showing the Sex Percentage in Different Faculties

The Statement given below shows the percentage of Men and Women students in the various Faculties and Institutions of the University for the year 1970-71, 1981-82, 1982-83 and 1983-84.

Faculties/ Institutions	1970-71		1981-82		1982-83		1983-84	
	Men	Women	Men	Women	Men	Women	Men	Women
Arts	37.5	62.5	48.4	51.0	44.93	55.07	39.90	61.0
Science	72.2	27.8	66.9	33.1	63.98	36.02	61.5	38.5
Education and Psychology	30.7	60.3	44.2	55.8	48.31	51.69	47.7	52.3
Commerce	82.6	17.4	61.3	38.7	61.70	38.30	59.8	40.2
Medicine	84.0	16.0	83.7	16.3	82.13	17.87	80.6	19.4
Technology and Engineering	97.7	2.3	92.5	7.5	91.56	8.44	90.0	10.0
Fine Arts	73.0	27.0	66.4	33.6	63.43	36.57	60.5	39.5
Home Science	0.1	99.9	00.0	100.0	0.14	99.86	0.14	99.86
Social Work	56.0	44.0	59.0	41.0	56.62	43.38	68.3	31.7
Law	89.5	10.5	89.6	10.4	82.56	17.44	86.3	13.7
Performing Arts	44.1	55.9	40.0	60.0	38.21	61.79	41.2	58.8
Baroda Sanskrit Mahavidyalaya	80.0	20.0	88.9	11.1	91.66	8.34	97.4	2.6
Shri M. K. Amin Arts and Science College and College of Commerce	90.8	9.2	81.4	18.6	80.5	19.5	78.2	21.8
Polytechnic	99.4	0.6	98.9	1.1	97.96	2.04	96.9	3.1

Statement showing the Percentage of student enrolment in the different Faculties/  
Institutions in the Last Five Years

Faculties/Institutions	1979-80	1980-81	1981-82	1982-83	1983-84
Arts	13.7	12.4	10.8	9.8	8.6
Science	10.5	11.2	9.6	10.2	10.8
Education and Psychology	2.6	2.6	2.0	2.2	1.2
Commerce	20.3	20.4	21.3	24.6	27.2
Medicine	5.2	5.1	4.7	4.6	5.2
Technology and Engineering	17.3	14.3	14.3	14.5	14.9
Fine Arts	1.9	1.8	1.7	1.6	1.8
Home Science	4.2	4.1	5.1	3.2	3.6
Social Work	0.6	0.6	0.4	0.4	0.4
Law	0.6	6.1	10.0	7.8	7.9
Performing Arts	0.5	0.6	0.5	0.7	0.8
M. K. Amin Arts and Science College and College of Commerce, Padra	6.6	7.2	8.0	8.0	5.4
Baroda Sanskrit Mahavidyalaya	0.3	0.3	0.6	0.3	0.6
Polytechnic	13.3	13.3	12.8	12.1	11.6
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

## THE MAHARAJA SAYAJIRAO

Appendix

Number of Students admitted 'in

Percentage of passes	Shri K. M. Mumshi Hall	Shri Manibhai Mehta Hall	Shri Maharshi Arvind Hall	Shri Sardar Patel Hall	Professor T. K. Gajjar Hall	Dr. Jivraj Mehta Hall	Lal Bahadur Shastri Hall	Shri Narservanji Vakil Hall	Shri Rabindranath Tagore Hall
1. Arts	—	8	10	10	15	5	9	11	5
2. Science	13	32	27	12	27	23	17	22	38
3. Edu. and Psy.	1	7	2	1	8	1	—	2	2
4. Commerce	19	18	21	26	24	35	23	12	42
5. Medicine	17	11	10	8	10	20	14	12	29
6. Tech. and Eng.	113	94	97	109	118	82	69	85	150
7. Fine Arts	4	12	7	16	11	5	10	11	6
8. Performing Arts	1	—	—	1	—	—	—	3	—
9. Home Science	—	—	—	—	—	—	—	—	—
10. Social Work	—	—	3	—	1	—	—	—	—
11. Law	—	5	10	4	6	7	3	5	8
12. Padra College	5	—	—	—	—	10	—	—	—
13. Polytechnic	3	5	5	5	15	14	3	9	63
14. I.A.S.	1	—	—	—	—	—	—	—	—
<b>Total :</b>	<b>177</b>	<b>192</b>	<b>192</b>	<b>192</b>	<b>235</b>	<b>202</b>	<b>148</b>	<b>172</b>	<b>343</b>

## UNIVERSITY OF BARODA

V

various Halls of Residence during 1983-84

Shri M. Visvesvaraya Hall	Siddharaj Jayasinh Hall	Dadabhai Navroji 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
4	21	1	99	15	144	23	16	14	8	61	175
14	38	11	274	46	320	49	38	55	9	151	471
4	2	—	30	19	49	13	15	16	1	45	94
26	38	10	294	8	302	20	20	30	6	76	378
6	11	—	148	5	153	18	31	35	16	100	253
108	124	16	1165	20	1185	18	28	31	5	82	1267
8	9	—	99	4	103	37	10	4	8	59	161
1	3	—	9	2	11	12	5	3	1	21	32
—	—	—	—	—	—	83	65	39	35	222	222
1	—	—	5	16	21	5	3	2	—	10	31
5	9	—	62	1	63	7	6	1	3	17	80
—	—	—	15	—	15	—	—	—	—	—	—
114	74	10	320	—	320	1	5	1	5	12	338
—	1	—	2	4	6	—	—	3	—	3	9
<b>291</b>	<b>330</b>	<b>48</b>	<b>2522</b>	<b>140</b>	<b>2662</b>	<b>286</b>	<b>242</b>	<b>234</b>	<b>97</b>	<b>859</b>	<b>3581</b>

## Appendix VI

Statement showing the percentage of students residing in the University Hostels the corresponding figures for the last five years.

Year	Student residing in Hostels			Percentage of Resident students to the total Enrolment		
	Men	Women	Total	Men	Women	Total
1979-80	2,588	667	3,255	13.6	3.5	17.1
1980-81	2,607	704	3,311	13.5	3.7	17.2
1981-82	2,674	757	3,431	11.0	3.1	14.1
1982-83	2,688	798	3,486	12.0	3.55	15.55
1983-84	2,662	859	3,521	12.7	4.30	17.00

## Appendix VII

Statement showing the Non-University students in the year 1983-84

Faculties/Institution	Men	Women	1983-84	1982-83	1981-82
A. Diploma Courses :					
( i ) Faculty of Performing Arts	487	353	840	786	1011
B. Certificate Courses :					
( i ) Faculty of Arts	276	67	343	375	190
( ii ) Baroda Sanskrit Mahavidyalaya	42	—	42	39	55
C. S.S.C. Courses :					
( i ) University Experimental School	418	263	681	710	754
D. Nursery Courses :					
( i ) Chetan Balwadi	38	24	62	31	25
( ii ) Kindergarten	11	12	23	54	60
<b>Total :</b>	<b>1272</b>	<b>719</b>	<b>1991</b>	<b>1955</b>	<b>2095</b>

## Statement showing Number of disabled students in various Faculties/Institutions

Faculties/Institutions	Men	Women	Level	Remarks
1. Science	1	—	T.Y. B.Sc.	—
2. Education and Psychology	2	—	B.Ed.	Blind
	—	1	M.Ed.	Polio
3. Commerce	2	—	F.Y. B.Com.	
	3	—	S.Y. B.Com.	
	5	2	T.Y. B.Com.	
4. Technology and Engineering	2	—	B.Arch. III	Leg. Defect
5. Fine Arts		1	III Yr. Painting	"
6. Home Science		1	M.Sc. Home	
7. Performing Arts	3	—	B.Mus.	
<b>Total</b>	<b>18</b>	<b>4</b>		

## Number of Foreign Students in the Academic Year 1983-84

Level	Name of the Country	Men	Women	Total
<b>Faculty of Arts</b>				
M.A. Part-I	Mauritius	1	—	1
Ph.D.	Thailand	1	—	1
<b>Total</b>		<b>2</b>	<b>—</b>	<b>2</b>
<b>Faculty of Science</b>				
F.Y. B.Sc.	Yeman	2	—	2
F.Y. B.Sc.	Kenya	1	—	1
F.Y. B.Sc.	Zambia	1	2	3
F.Y. B.Sc.	Tanzania	—	1	1
F.Y. B.Sc.	British	—	1	1
F.Y. B.Sc.	Fiji	—	2	2
S.Y. B.Sc.	Jordan	1	—	1
S.Y. B.Sc.	Iran	1	—	1
S.Y. B.Sc.	British	2	—	2
S.Y. B.Sc.	Kenya	—	2	2
S.Y. B.Sc.	Tanzan	1	—	1
S.Y. B.Sc.	British	2	—	2
T.Y. B.Sc.	Fiji	1	—	1
T.Y. B.Sc.	Iran	1	—	1
T.Y. B.Sc.	Jordan	1	—	1
T.Y. B.Sc.	Mauritius	—	1	1
T.Y. B.Sc.	Tanzania	1	—	1
T.Y. B.Sc.	Zambia	1	—	1
T.Y. B.Sc.	British	—	2	2
M.Sc. I	Kenya	1	—	1
M.Sc. I	Iran	5	—	5
M.Sc. I	Zambia	—	1	1
M.Sc. I	Iran	2	—	2
M.Sc. II	Zambia	1	—	1
M.Sc. II	Nigeria	1	—	1
Ph.D.				
<b>Total :</b>		<b>26</b>	<b>12</b>	<b>38</b>
<b>Faculty of Education and Psychology</b>				
M.ED.	Thailand	1	1	2
M.ED.	Yeman	1	—	1
<b>Total :</b>		<b>2</b>	<b>1</b>	<b>3</b>

Level	Name of the Country	Men	Women	Total
<b>Faculty of Commerce</b>				
F.Y. B.Com.	Kenya	2	—	2
F.Y. B.Com.	Zambia	1	—	1
S.Y. B.Com.	Zambia	2	—	2
S.Y. B.Com.	Kenya	—	1	1
T.Y. B.Com.	Malawi	1	—	1
M.Com. I	Kenya	1	1	2
M.Com.	Nigeria	6	—	6
P.G. Diploma in Banking	Nigeria	1	—	1
<b>Total :</b>		<b>14</b>	<b>2</b>	<b>16</b>

**Faculty of Technology and Engineering**

B.Arch. IV	Iran	2	—	2
T.Text. (Tech.)	Iran	1	—	1
B.Arch. IV	Jordan	2	—	2
M.E. Civil	Jordan	1	—	1
B.Arch. II	Kenya	1	—	1
B.R. II (Ch.)	Palestine	1	—	1
B.Arch. VII	Syris	1	—	1
<b>Total :</b>		<b>9</b>	<b>—</b>	<b>9</b>

**Faculty of Fine Arts**

M.A. (Fine)	Bangladesh	2	6	8
Post Dip. in Sculpture	Bangladesh	1	—	1
B.A. Painting	Fiji	1	—	1
Dip. in Sculpture	Mauritius	1	—	1
M.A.	Nepal	1	—	1
<b>Total :</b>		<b>6</b>	<b>6</b>	<b>12</b>

**Faculty of Home Science**

F.Y. B.Sc.	America	—	1	1
F.Y. B.Sc.	British	—	1	1
F.Y. B.Sc.	Fiji	—	1	1
F.Y. B.Sc.	Japan	—	1	1
F.Y. B.Sc.	Kuwait	—	2	2
S.Y. B.Sc.	U.S.A.	—	1	1
T.Y. B.Sc.	Nepal	—	1	1
Ph.D.	Zambia	—	3	3
	Bangladesh	—	1	1
<b>Total :</b>		<b>—</b>	<b>12</b>	<b>12</b>

Level	Name of the Country	Men	Women	Total
<b>Faculty of Performing Arts</b>				
B.MUS I	Bangladesh	1	3	4
B.MUS II	Bangladesh	1	—	1
B.MUS III	Bangladesh	1	2	3
Sr. M.MUS	Bangladesh	1	—	1
Dance B. N.	Mauritius	—	1	1
Sr. M. MUS	Mauritius	—	1	1
Sr. M. MUS	Nepal	—	1	1
VII Yr. Drama	Nigeria	1	—	1
<b>Total</b>		<b>5</b>	<b>8</b>	<b>13</b>
<b>Grand Total</b>		<b>63</b>	<b>41</b>	<b>104</b>

Statement showing No. of students belonging to scheduled caste/  
scheduled Tribes/Socially and Economically Backward in various  
Faculties/Institutions.

Sr. No.	Faculty/Institution	SC		ST		SEBC		Total
		M.	F.	M.	F.	M.	F.	
1.	Faculty of Arts	32	7	15	2	—	—	56
2.	Faculty of Science	4	2	6	—	—	—	12
3.	Faculty of Education and Psychology	12	4	1	—	7	9	33
4.	Faculty of Commerce	140	38	38	15	—	—	231
5.	Faculty of Medicine	45	12	35	6	24	5	127
6.	Faculty of Technology and Engineering	25	—	79	1	19	1	125
7.	Faculty of Fine Arts	4	—	2	—	—	—	6
8.	Faculty of Performing Arts	3	—	—	—	—	—	3
9.	Faculty of Home Science	—	1	—	—	—	—	1
10.	Faculty of Social Work	—	—	—	—	—	—	—
11.	Faculty of Law	22	4	—	—	—	—	26
12.	M. K. Amin Arts and Science College and College of Commerce, Padra.	9	—	—	—	—	—	9
13.	Baroda Sanskrit Mahavidyalaya	—	—	—	—	—	—	—
14.	Polytechnic	152	10	84	—	137	1	384
<b>Total</b>		<b>448</b>	<b>78</b>	<b>260</b>	<b>24</b>	<b>187</b>	<b>16</b>	<b>1013</b>

List of students qualifying Ph.D. Degree during the year 1983-84.

Sr.No.	Name	Subject	Title of the Thesis
1	2	3	4
<b>Faculty of Arts</b>			
1.	Shri Sultan Ahmed	Archaeology	Archaeology of muslim town of Gujarat with special reference to their monuments.
2.	Smt. Uma Negi	Hindi	Dinkar Ke Kayya Ka Sanskritik Mulyankan.
3.	Smt. Uma Sharad Chandra Deshpande	Sanskrit	A critical study and test of (i) Rasi-kavinoda and svanubhuti nataka Allegorical (ii) Plays pre servell in Manuscripts.
4.	Smt Kiranlata Rakesh Garg	Hindi	सुडोतर (डन्डी) कडानियो के परिवारिक जीवन के आग्राम : १९११ से १९७५ तय :
5.	Kum. Surla Gajanan Palkar	English	Man-woman relationship in the fiction of Roth Mailer and Malymod.
6.	Kum. Pravina Chhaganlal Kanani	Hindi	Sanskrit giti Kavya Ki Parampara Ki Bhumi kamen ashtachhapi pada sahitya ka anushilan.
7.	Kum. Arti Jagmohanlal Merh	Economics	Economics of alternative fuel technology in railway transport.
8.	Shri Avtarsingh Bahan Singh	Economics	An economic study of Process Technology, location pattern and distribution system in Fertilizer Industry in India.
9.	Smt. Jaya Sivkumar Shukla	Hindi	Yugeen peethika aur sankalin bhasha-rupoke vishesh sandarbhame Hindi Ke Adikaka Mulyankan.
10.	Shri Mukund Lalji Wadekar	Sanskrit	Devealasmriti Rconstrction and critical study.
11.	Shri Ramanlal Natvarlal Talati	Hindi	राष्ट्रीय नगरव्यवस्था पृष्ठ भूमि पर पडित सोहनलाल (द्वेदी) का कार्य.
12.	Kum. Bhavna Suresh Chandra Kantawala	Economics	Imports in a developing Economy a case study of India.

1	2	3	4
13.	Shri Shiv Narayan Pandya	Ancient Indian History Culture and Archaeology	Saivite Temples and Sculptures of somanatha.
14.	Smt. Meenaben Pinakinbhai Pathak	Sanskrit	Taittiriya Upanisad A Study.
15.	Smt. Bharati Vinod Modi	Linguistics	Some issues in the Philosophy of Gujarati.
16.	Shri Yatinkumar Ochhavlal Parikh	Economics	Income consumption and poverty levels of slum dwellers in Baroda city.
Faculty of Science			
17.	Kum. Sarita Lall	Botany	The study of the effects of some heavy metal pollutants on germination and early growth of rice (oryza sativa).
18.	Kum. Padmaja Sharad Chandra Merh	Botany	Taxonomy and Chemistry of some members of zingiberales and cypellales.
19.	Shri Prasad Madhukar Padhye	Botany	Chemical systematics of Bignoniaceae and verbenaceae.
20.	Kum. Ujwala Trimbak Acharya	Botany	Effect of GA <sub>3</sub> on germination of Paddy (oryznsatira L Var GR-3) under saline condition.
21.	Shri Rama Krishna	Chemistry	Studies in synthetic organic methods.
22.	Kum. Urmila Maganlal Joshi	Zoology	Some observations on Toxkological effects of an organophosphorus pesticide Monocrotophoy on Fish, Tilapia Mossambica.
23.	Kum. Eappen Valsamma	Zoology	Certain experimental and Endocrine studies on tail regeneration in the gekkonid lizard memidactylus flaviviridis.
24.	Shri S. Srinivasan	Geology	Geological studies Vindhyan around Chitorgarh with special reference to Lithostratigraphy and structure.
25.	Shri N. P. Singh	Geology	Tertiary Biostratigraphy of Khuiala Bandah area District Jaisalmer with special reference to subsurface stratigraphy of Jaisalmer Basin.

1	2	3	4
26.	Shri Jaydev Nilmani Dholkia	Micrology	Studies on the fermentative production of carotene and an extracellular glycosidase by Blakesleatrispora.
27.	Shri Thomas Varghese	Botany	Tissue culture studies incarob (Ceratonia siliqual).
28.	Shri Arokiadoss Sebastian	Biochemistry	Studies on Rat intestinal Lipids with special reference to Nutritional deficiencies.
29.	Kum. Gopika Dinesh Mehd	Chemistry	Studies in organic reagents and their applications in Environmental Analysis.
30.	Shri Rohitkumar Madhavlal Patel	Physics	Study of Potassium perchlorate (KC 104) and triglycine sulphate (TGS) single crystals grown in silicagel.
31.	Kum. Varsha Bhagvanji Shah	Bio-Chemistry	Studies on rat intestinal Microflora.
32.	Shri V. Narayan	Microbiology	Fermentative production of ergot Alkaloids by Molds.
33.	Shri Ketan Shantilal Shah	Microbiology	Studies on phage M-1 Mediated Trans- action in Rhizobium Japonicum.
34.	Shri Ravi Kiran Madala	Botany	Phytoecological studies of Ambaji N. Gujarat, India.
35.	Shri Mohan Chandra Joshi	Botany	A floristic and Phytochemical survey of some important south Gujarat Forests with special reference to plants of Medicinal and ethno botanical Interest.
36.	Shri K. Shailubhai	Microbiology	Studies on some aspect of hydro carbon degradation by Aspergillus Uigex and Rhodotorulasr.
37.	Shri Patrick Michael Gomes	Bio-Chemistry	Studies on Chemical Composition of bone and bones in the rat in relation to nutritional Factors.
38.	Shri Pareshkumar Jayantilal Patel	Chemistry	Study of ternary complexes involving tertiary amines and N—N or O—O Coordinating ligands.
39.	Kum. Kalpana Vinubhai Patel	Chemistry	Studies in Binuclear Mixed ligand complexes.

1	2	3	4
40.	Shri Kamalnayan Narhariprasad Joshipura	Physics	Electron Scattering From atoms and Molecules.
41.	Shri Purushottam Mohanlal Shah	Physics	Study of the spectra of some of the diatomic molecules (NIBR COBR and NiCl).
42.	Shri Natvarbhai Vallabh Patel	Mathematics	A study of the absolute convergence and the absolute summability of lacuhary Fouricr series.
<b>Faculty of Education and Psychology</b>			
43.	Shri Karunandan Tychious Christopher	Education	A study of perceptions of college community of Madras city about U.G.C. Action Programme in Examination reform.
44.	Kum. Gitika Dutta	Education	A study of the processes of Aesthetic creativity.
45.	Shri Isukapalli Nenkata Radha-Krishna Murthy	Education	A study of the Educational Innovations of secondary level by the department of school education, Govt. of Andhra Pradesh from 1965 to 1977.
46.	Kum. Thresa Mathai Varghese	Education	A critical study of personnel development programme.
47.	Kum. Marie Baltazar Rodrigues	Education	A study (critical) of the Jesus and Mary Schools in India with special reference to innovation and investment.
48.	Shri Md. Azharul Islam	Education	A study of organizational climate Teacher morale and leadership Behaviour in the secondary Teachers Training colleges of Bangladesh.
49.	Shri S. S. Rajagopalan	Education	An Enquiry into certain aspects of selected innovations in Education.
50.	Shri Gomatan Srinicasachryala	Education	A study of continuing education in Indian universities.
51.	Shri Hemant Mukund Kanade	Education	A study of the Impact of Instructional television on the behaviour of the rural elementary school children.

1	2	3	4
52.	Kum. Sadhana Ramchandra Desai	Psychology	A study of the relationship between the development of some Psychological processes and creativity in Physically handicapped children.
53.	Shri P. M. Vichaopengphol	Education	A study of organisational climate and teacher morale in the Primary Schools in the Central Zone of Thailand.
54.	Shri Chearan Samart	Education	An evaluative study of the entrance test to Diploma in Education course of surin teachers college Thailand.
55.	Kum. Shridevi Indravadan Mehta	Education	A comparative study of Textbook production setup and processes in India.
56.	Shri Jena Shribatsa Lanchhan	Education	University Finances A case Study of the M. S. University of Baroda.
57.	Shri K. S. Joseph	Education	Evolving a strategy for teaching English Grammer at the High School Level.
58.	Kum. V. P. Vardhini	Education	Development of a multime Instructional strategy for teaching science (Physics and Chemistry).
59.	Kum. Razia Amin Shaikh	Education	A study of life style of slum dwellers and its relation with Education.
60.	Smt. Sultana Afifa Quazi	Education	A study of some Factors in adjustment patterns of adolescent Boys and girls in Bangladesh.
61.	Shri A. Ponnambala Thiagarajan	Education	A study of the scheduled caste students in the Madurai Kamraj University.
62.	Smt. Mamota Das	Education	A study of the administrative behaviour of secondary school Principals in relation to selected school variable.
63.	Smt. Mohan Ramakrishnan	Education	Case studies of innovative institutions.
<b>Faculty of Technology and Engineering</b>			
64.	Shri K. K. Sasidharan	App. Chem.	Exploration in the Field of flow improvers synthesis of polymer additives and study of their characteristics.

Sr.No.	Name	Subject	Name of the Thesis
65.	Shri K. Ethirajulu	Chem. Engg.	Studies on Co-current liquid liquid extraction in an Ejector Device.
66.	Shri Netrapal Singh	App. Chem.	Study of Mesomorphic State.
67.	Smt. Neelam Deepak Godhwani	App. Chem.	Redix polymers.
68.	Shri Dilip Pandit Patil	App. Phy.	Ultrasonic studies on some Alloys.
69.	Shri Vinay M. Puri	App. Maths.	On some theoretical aspects of lubrication.
70.	Shri Ashok Praphakar Nerurkar	App. Physics	Thermoluminescence and Applied studies on Zirconsanels.
Faculty of Home Science			
71.	Smt. Chandrakala Dave	Child Development	Population Education Programme for Secondary School Students.
72.	Smt. Sulochana Arun Ojha	H.Sc. Edu. and Extension	A comparative study of knowledge and attitudes of extension functionaries of selected states in India and country of Bangladesh regarding population Education and developing Modifying the curricula for extension Functionaries of both the countries.
73.	Smt. Prerana Dilipsinh Mohite	Child Development	A classroom Instruction programme for primary school children with learning difficulties.
74.	Smt. Mrunalinidevi Anandrao Paur	Foods and Nutrition	Essential Trace Element profile and zinc Availability in Indian Foods and diets.
75.	Kum. Gargi Virbal Majmudar	Clothing and Textile	Studies in printed textile Designs and Development of Experiemttal Techniques in printing.
Faculty of Social Work			
76.	Kum. Indira Muljibhai Patel	Social Work	An oriental approach to social work (Contribution of Swami Vivakananda)

Results of the University Examinations of April, 1983

Sr. No.	Examination	Number appeared		Number Passed																	Percentage of Passes
		Men	Women	No. Regd.	No. Absent	I Class Dist.	I Class	II Class	Pass Class	Total	I Class Dist.	I Class	II Class	Pass Class	Total	I Class Dist.	I Class	II Class	Pass Class	Total	
1	F.Y.B.A.	615	21	104	159	593	—	36	32	36	104	—	25	57	77	159	263	44.35%			
2	S.Y.B.A.	644	41	242	361	603	—	—	61	61	122	—	—	—	160	160	221	36.67%			
3	T.Y.B.A.	864	44	364	456	820	2	15	45	152	214	7	34	129	174	344	558	68.04%			
4	M.A.— Part I	219	23	68	128	196	—	—	—	55	55	—	—	—	111	111	166	84.69%			
5	M.A.— Part II	194	7	84	103	187	—	18	31	41	90	—	7	23	37	68	158	84.49%			
6	Dip. in French Language	6	1	2	4	6	—	—	—	—	2	—	—	—	—	3	3	3	100%		
7	U.G. Dip. in German Language	24	3	16	5	21	4	2	1	5	12	—	—	—	—	5	17	80.95%			
8	Post Dip. in German Language	4	1	1	2	3	—	—	—	—	—	—	—	—	—	—	2	66.66%			
9	Dip. in Russian Language and Lit.	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100%		
10	Dip. in Arabic	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100%		
11	Dip. in Persian Languages	2	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100%		
12	Bachelor of Library Science	29	1	3	25	28	—	—	—	—	—	—	—	—	—	—	—	—	75.00%		
	Grand Total																				

\*No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
13. Acharya	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100%	
14. Shrivari	8	2	2	4	6	6	1	1	1	1	1	1	1	1	1	1	1	1	50.00%	
15. Visharad	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	50.00%	
16. F.Y.B.Sc.	712	14	443	255	698	698	47	98	66	211	211	59	50	33	142	353	353	353	50.58%	
*17. S.Y.B.Sc.	491	17	305	169	474	474	43	98	85	236	236	12	43	65	45	165	401	401	75.32%	
18. T.Y.B.Sc.	651	21	425	205	630	630	10	43	98	85	236	12	43	65	45	165	401	401	63.53%	
*19. M.Sc. (Previous)	264	10	163	91	254	254	6	60	53	17	136	9	26	43	86	204	204	204	80.32%	
20. M.Sc. (Final)	239	3	150	86	236	236	1	8	2	1	11	11	11	11	11	11	11	11	91.96%	
21. M.Sc. (Applied Geology)	13	1	12	12	12	12	1	3	1	1	5	5	5	5	5	5	5	5	91.66%	
Dip. in Laboratory Techniques	7	7	7	7	7	7	1	3	1	1	5	5	5	5	5	5	5	5	71.42%	
21A. Post M.Sc. Dip. in Nat. Bio-Chem.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100%	
21B. B.Ed.	204	1	72	131	203	203	4	48	14	66	66	47	72	5	124	190	190	190	93.59%	
22. M.Ed.	29	3	15	11	26	26	1	1	7	5	14	2	6	4	12	26	26	26	100%	
23. P.G. Dip. in Edu. Administration	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	100%	
24. P.G. Dip. in Organisation Behaviour	9	9	9	9	9	9	4	4	4	4	4	4	4	4	4	4	4	4	100%	
25. P.G. Dip. in Clinical and Com. Ppy.	6	1	1	4	5	5	1	1	1	1	1	1	1	1	1	1	1	1	100%	
26. F.Y.B.Com.	2748	60	1750	938	2688	2688	47	259	300	606	606	46	180	184	410	1016	1016	1016	100%	
*28. S.Y.B.Com.	2114	164	1189	761	1950	1950	56	351	490	897	897	5	50	220	250	525	1422	1422	37.79%	
29. T.Y.B.Com.	2684	136	1672	676	2348	2348	2	2	2	2	2	2	2	2	2	2	2	2	64.30%	
*30. T.Y.B.Com. O. Com. 25	440	83	253	104	357	357	1	1	1	1	1	1	1	1	1	1	1	1	60.64%	
*31. T.Y.B.Com. O. Com. 27	17	7	10	10	10	10	1	1	1	1	1	1	1	1	1	1	1	1	75.63%	
*32. M.Com. (Previous)	278	37	176	65	241	241	6	64	79	149	149	1	32	22	56	214	214	214	90.00%	
*33. M.Com.—Part I	55	9	19	27	46	46	2	10	6	19	19	2	7	8	17	36	36	36	88.79%	
34. M.Com.—Part II	16	3	13	13	13	13	1	1	1	1	1	1	1	1	1	1	1	1	78.26%	
35. P.G. Dip. in Banking	46	1	36	9	45	45	1	1	1	1	1	1	1	1	1	1	1	1	30.77%	
*36. P.G. Dip. in Co-operation	134	2	117	15	132	132	1	1	1	1	1	1	1	1	1	1	1	1	68.88%	
*37. Ist M.B.B.S.																				
*38. IInd M.B.B.S.																				

I Class Dist., I Class, II Class and Pass Class.

‡From 1968 Examination Grades are awarded to the Candidates but the results are declared in Classes

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
*39. Final M.B.B.S.	83	71	12	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	80.72%
*40. F.Y.B.Physiotherapy	24	3	21	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	66.66%
*41. F.Y.B.Physiotherapy (Supplementary)	6	2	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	100%
*42. S.Y.B.Physiotherapy	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	73.07%
*43. S.Y.B.Physiotherapy (Supplementary)	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	25.00%
*44. T.Y.B.Physiotherapy	30	2	28	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	76.66%
*45. M.D.	24	19	5	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	45.83%
*46. M.S.	23	19	3	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	45.45%
*47. Dip. in Ophthalmology	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	50.00%
*48. Dip. in Anaesthesiology	3	2	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	100%
*49. Dip. in Laryngology and Otology	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100%
*50. D.M.R.D.—Part II	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100%
*51. Dip. in Child Health	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	100%
*52. Dip. in Tuberculous Diseases	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	100%
*53. Dip. in Obstetrics and Gynaecology	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	50.00%
*54. Dip. in Venereology Dermatology	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	100%
*55. M.Sc. (Medical)—Part I	9	1	4	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	75.00%
*56. M.Sc. (Medical)—Part II	9	1	6	2	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	50.00%
*57. I Sem. of F.Y. Dip. (CME)	101	6	89	6	95	95	85	88	63	236	236	32	32	3	3	35	35	35	35	37.67%
58. II Sem. of F.Y. Dip.	358	5	330	23	353	353	85	88	63	236	236	41	41	9	7	2	18	254	254	72.36%
*59. I Sem. of S.Y. Dip. (CME)	116	5	110	1	111	111	113	104	90	307	307	5	5	4	3	1	8	315	315	36.90%
*60. II Sem. of S.Y. Dip. (CME)	436	9	418	9	427	427	113	104	90	307	307	5	5	4	3	1	8	315	315	57.23%
*61. I Sem. of Final Year D.C.E.	21	3	18	18	18	18	106	48	14	168	168	3	3	3	3	3	3	3	3	27.77%
*62. II Sem. of Final Year D.C.E.	187	4	180	3	183	183	106	48	14	168	168	3	3	3	3	3	3	3	3	93.44%
*63. D.C.E. (O.C.)	7	2	5	5	5	5	1	2	1	4	4	1	4	1	1	1	1	1	1	46.66%
*64. I Sem. of Final Year D.M.E.	16	1	15	15	15	15	139	64	16	219	219	3	3	3	3	3	3	3	3	23.07%
*65. II Sem. of Final Year D.M.E.	243	2	241	2	241	241	139	64	16	219	219	3	3	3	3	3	3	3	3	91.63%
*66. D.M.E. (O.C.)	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	48.00%
*67. I Sem. of Final Year D.E.E.	17	2	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	13.33%

\*No Class is awarded.

	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
68. II Sem. of Final Year D.E.E.	63	4	51	8	59	—	14	18	4	36	—	6	2	—	8	44	74.58%
69. D.E.E. (O.C.)	19	3	16	—	16	—	—	—	4	4	—	—	—	—	—	4	25.00%
*70. I Sem. of (CME) Five Sem. Course H.S.C. Passed	28	1	27	—	27	—	—	—	14	14	—	—	—	—	—	14	51.48%
71. II Sem. of (CME) Five Sem. Course H.S.C. Passed	193	1	190	2	192	—	—	—	178	178	—	—	—	2	2	180	93.20%
72. III Sem. of (CME) Five Sem. Course H.S.C. Passed	8	—	8	—	8	—	—	—	2	2	—	—	—	—	—	2	25.00%
*73. IV Sem. of (Civil) Five Sem. Course H.S.C. Passed	91	1	89	1	90	—	—	—	88	88	—	—	—	1	1	89	98.88%
*74. IV Sem. of (Mechanical) Five Sem. Course H.S.C. Passed	73	—	73	—	73	—	—	—	73	73	—	—	—	—	—	73	100%
*75. IV Sem. of (Electrical) Five Sem. Course H.S.C. Passed	29	—	29	—	29	—	—	—	29	29	—	—	—	—	—	29	100%
76. V Sem. of (Civil) Five Sem. Course H.S.C. Passed	70	—	70	—	70	—	63	6	—	59	—	—	—	—	—	59	98.57%
77. V Sem. of (Mechanical) Five Sem. Course H.S.C. Passed	77	—	77	—	77	—	67	8	—	75	—	—	—	—	—	75	97.40%
78. V Sem. of (Electrical) Five Sem. Course H.S.C. Passed	37	—	37	—	37	—	36	1	—	37	—	—	—	—	—	37	100%
*79. I Sem. of S.Y. Dip. (CME)—EDC	155	15	140	—	140	—	—	—	23	23	—	—	—	—	—	23	16.66%
80. II Sem. of S.Y. Dip. (CME)—EDC	162	8	154	—	154	—	4	20	24	24	—	—	—	—	—	48	32.00%
*81. I Sem. of Final Year D.C.E. (EDC)	11	2	9	—	9	—	—	—	5	—	—	—	—	—	—	5	55.50%
*82. I Sem. of Final Year D.M.E. (EDC)	28	6	22	—	22	—	—	—	13	13	—	—	—	—	—	13	59.09%
*83. I Sem. of Final Year D.E.E. (EDC)	45	11	34	—	34	—	—	—	14	14	—	—	—	—	—	14	41.17%
84. II Sem. of Final Year D.C.E. (EDC)	30	3	27	—	27	—	10	6	5	21	—	—	—	—	—	21	77.70%
85. II Sem. of Final Year D.M.E. (EDC)	62	11	51	—	51	—	15	17	8	40	—	—	—	—	—	40	78.43%
86. II Sem. of Final Year D.E.E. (EDC)	63	19	41	—	41	—	4	4	18	26	—	—	—	—	—	26	63.41%
*87. I Sem. of F.Y. Dip. PCI	15	—	13	2	15	—	—	—	2	2	—	—	—	—	1	3	23.00%

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\*No Class is awarded.

	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
88. II Sem. of F.Y. Dip. PCI	52	—	44	8	52	—	10	15	6	31	—	4	2	1	7	38	73.00%
*89. I Sem. of S.Y. Dip. PCI	5	—	5	—	5	—	—	—	—	—	—	—	—	—	—	—	Nil
90. II Sem. of S.Y. Dip. PCI	48	—	48	—	48	—	14	13	9	36	—	—	—	—	—	36	75.00%
*91. I Sem. of T.Y. Dip. PCI	10	—	10	—	10	—	—	—	5	5	—	—	—	—	—	5	50.00%
92. II Sem. of T.Y. Dip. PCI	57	—	57	—	57	—	12	23	14	49	—	—	—	—	—	49	86.00%
93. II Sem. of Final Year Dip. (PCT): (1) Oil (2) Plastic (3) Fertiliser	11	—	11	—	11	—	8	3	—	11	—	—	—	—	—	11	100%
	25	—	24	1	25	—	24	—	—	24	—	1	—	—	1	25	100%
	15	—	15	—	15	—	15	—	—	15	—	—	—	—	—	15	100%
*94. I Sem. of P.D. Dip. in Ref. and Air Cond.	2	—	2	—	2	—	—	—	1	1	—	—	—	—	—	1	50.00%
95. II Sem. of P.D. Dip. in Ref. and Air Cond.	16	1	15	—	15	—	1	6	4	—	—	—	—	—	—	12	80.00%
*96. I Sem. of Final Year D.T.C.	2	—	2	—	2	—	—	—	—	—	—	—	—	—	—	—	Nil
97. II Sem. of Final Year D.T.C.	16	—	16	—	16	—	—	9	5	14	—	—	—	—	—	14	87.50%
98. II Sem. of Final Year D.T.T.	16	—	16	—	16	—	7	7	1	15	—	—	—	—	—	15	93.75%
*99. I Sem. of Dip. in Industrial Electro.	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	Nil
100. II Sem. of Dip. in Industrial Electro.	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	Nil
*101. I Sem. of D.T.C. B.Sc. Passed	5	4	4	—	4	—	4	—	7	27	9	43	—	—	—	3	75.00%
102. II Sem. of D.T.C. B.Sc. Passed	47	—	47	—	47	—	—	—	6	6	—	—	—	—	—	43	91.48%
*103. I Sem. of F.Text. (Engg. & Tech.)	14	1	13	—	13	—	4	5	28	8	45	—	—	—	—	6	46.15%
104. II Sem. of F.Text. (Engg. & Tech.)	58	—	58	—	58	—	4	5	3	3	—	—	—	—	—	45	77.58%
*105. I Sem. of S.Text. (Engg. & Tech.)	4	—	4	—	4	—	—	—	3	3	—	—	—	—	—	3	75.00%
106. II Sem. of S.Text. (Engg. & Tech.)	47	—	47	—	47	—	4	2	8	20	9	39	—	—	—	39	82.97%
*107. I Sem. of T.Text. (Engg. & Tech.)	6	—	6	—	6	—	—	—	6	6	—	—	—	—	—	6	100%
108. II Sem. of T.Text. (Engg.)	32	1	31	—	31	—	—	5	14	4	23	—	—	—	—	23	74.19%
*109. I Sem. of T.Text. (Tech.)	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	2	100%
110. II Sem. of T.Text. (Tech.)	34	—	34	—	34	—	3	12	16	2	33	—	—	—	—	33	97.05%
*111. I Sem. of B.Text. (Engg.)	6	2	4	—	4	—	—	—	—	4	—	—	—	—	—	4	100%

xxxvii

\*No Class is awarded.

	35	2	33	—	33	6	10	14	1	31	—	—	—	—	—	—	31	93.93%
112. II Sem. of B.Text. (Engg.)	3	1	2	—	2	—	—	—	2	2	—	—	—	—	—	—	2	100%
*113. I Sem. of B.Text. (Tech.)	40	1	39	—	39	10	13	14	1	38	—	—	—	—	—	—	38	97.43%
*114. II Sem. of B.Text. (Tech.)	135	10	117	8	125	—	—	—	—	39	39	—	—	—	—	3	42	33.60%
*115. I Sem. of B.E. I (CME; Chem; Met; Electro; CST.)—4 Year	434	1	411	22	433	30	53	147	58	288	3	2	9	4	17	305	70.53%	
*116. II Sem. of B.E. I (CME; Chem; Met; Electro; CST.)—4 Year	67	2	62	3	65	—	—	—	20	20	—	—	—	2	—	22	33.84%	
*117. I Sem. of B.E. II (CME; Chem; Met; Electro; CST.)—4 Year	330	—	315	15	330	20	59	115	45	239	1	1	9	2	13	252	76.36%	
*118. II Sem. of B.E. II (CME; Chem; Met; Electro; CST.)—4 Year	7	—	7	—	7	—	—	—	2	2	—	—	—	—	—	2	28.57%	
*119. I Sem. of B.E. II (CME; Chem; Met.)—5 Year	31	—	31	—	31	—	—	—	16	16	—	—	—	—	—	16	51.66%	
120. II Sem. of B.E. II (CME; Chem; Met.)—5 Year	21	—	21	—	21	—	—	—	11	11	—	—	—	—	—	11	52.38%	
*121. I Sem. of B.E. III (CME; Chem; Met; Electro.)—4 Year	190	—	183	7	190	49	46	56	13	164	—	2	3	2	7	171	90.00%	
122. II Sem. of B.E. III (CME; Chem; Met; Electro.)—4 Year	63	2	61	1	62	—	—	—	26	26	—	—	—	1	1	27	44.26%	
*123. I Sem. of B.E. III (CME; Chem; Met; Electro.)—5 Year	249	1	236	12	248	14	28	85	48	175	—	3	9	1	12	787	75.40%	
124. II Sem. of B.E. III (CME; Chem; Met; Electro.)—5 Year	48	3	43	2	45	—	—	—	26	26	—	—	—	—	—	26	57.77%	
*125. I Sem. of B.E. IV (CME; Chem; Met; Electro.)—5 Year	305	2	295	8	303	50	69	111	31	261	—	2	3	3	8	267	88.77%	
126. II Sem. of B.E. IV (CME; Chem; Met; Electro.)—5 Year																		

xxxviii

\*No Class is awarded.

\*127. I Sem. of B.E. V—5 Year :

(Civil)	3	—	3	—	3	—	—	—	—	—	2	2	—	—	—	—	2	66.66%
(Mechanical)	1	—	1	—	1	—	—	—	—	—	1	1	—	—	—	—	1	100%
(Electrical)	9	—	9	—	9	—	—	—	—	—	8	8	—	—	—	—	8	88.88%
(Chemical)	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Nil
(Metallurgy)	1	—	1	—	1	—	—	—	—	—	1	1	—	—	—	—	1	100%
(Electronics)	1	—	1	—	1	—	—	—	—	—	1	1	—	—	—	—	1	100%

128. II Sem. of B.E. V—5 Year :

(Civil)	140	—	140	—	140	91	40	8	—	—	—	—	—	—	—	—	139	99.28%
(Mechanical)	114	—	114	—	114	66	34	14	—	—	—	—	—	—	—	—	114	100%
(Electrical)	57	—	54	3	57	15	17	13	6	51	2	1	—	—	—	3	54	94.73%
(Chemical)	35	1	34	—	34	20	10	4	—	—	—	—	—	—	—	—	34	100%
(Metallurgy)	33	—	32	1	33	12	14	5	1	32	1	—	—	—	—	1	33	100%
(Electronics)	27	—	25	2	27	13	7	4	1	25	2	—	—	—	—	2	27	100%

129. II Sem. of B.E. Final Year—4 Year :

(Civil)	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1	100%
(Mechanical)	8	—	8	—	8	6	2	—	—	—	6	—	—	—	—	—	8	100%	
(Electrical)	7	—	7	—	7	4	3	—	—	—	7	—	—	—	—	—	7	100%	
(Chemical)	5	—	5	—	5	3	2	—	—	—	5	—	—	—	—	—	5	100%	
(Metallurgy)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Nil	
(Electronics)	8	—	7	1	8	3	4	—	—	—	7	1	—	—	—	1	8	100%	

\*130. I Sem. of B.E. Final (Civil)—PTD

\*131. I Sem. of B.E. Final (Mech.)—PTD

\*132. I Sem. of B.E. Final (Elect.)—PTD

133. II Sem. of B.E. IV Final Year

(Civil) PTD

134. II Sem. of B.E. IV Final Year

(Mech.)—PTD

\*No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
135. II Sem. of B.E. IV Final Year (Elect.)—PTD	5	—	5	—	5	—	5	—	2	2	4	—	—	—	—	—	—	—	4	80.00%
*136. I Sem. of B.E. I (Electro.)	2	1	—	1	—	1	—	1	—	1	—	—	—	—	—	—	—	—	1	100%
*137. II Sem. of B.E. I (Electro.)	22	1	19	2	21	—	4	13	2	19	—	—	—	1	1	—	—	21	100%	
*138. I Sem. of B.E. II (Electro.)	9	—	9	—	9	—	9	—	—	5	5	—	—	—	—	—	—	5	55.55%	
139. II Sem. of B.E. II (Electro.)—Post-B.Sc.	31	—	30	1	31	1	4	10	11	26	—	—	—	—	—	—	—	1	27	87.09%
*140. I Sem. of B.E. III (Electro.)—Post-B.Sc.	1	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	Nil
141. II Sem. of B.E. III (Electro.)	18	—	13	5	18	5	4	3	1	13	1	2	1	—	—	—	—	4	17	94.44%
*142. M.E.—Part-I (CME; Chem; Met.)	20	6	14	—	14	—	—	—	9	9	—	—	—	—	—	—	—	9	57.14%	
*143. M.E.—Part-II (CME; Chem; Met.)	42	2	40	—	40	—	—	—	3	33	—	—	—	—	—	—	—	33	80.48%	
*144. M.E.—Part-III (Elect.; Met.)	2	1	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Nil
145. M.E.—Part-IV (Civil)	6	—	5	1	6	2	4	—	—	6	—	—	—	—	—	—	—	6	100%	
146. M.E.—Part-IV (Mech.)	8	—	8	—	8	3	4	—	—	7	—	—	—	—	—	—	—	7	87.50%	
147. M.E.—Part-IV (Elect.)	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Nil
*148. M.Text.—Part-II (Engg.)	7	—	7	—	7	—	7	—	7	7	—	—	—	—	—	—	—	7	100%	
*149. M.Text.—Part-III (Engg.)	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	—	—	1	100%	
*150. I Sem. of M.Sc. (Applied Chemistry)	8	1	7	—	7	—	6	6	—	6	—	—	—	—	—	—	—	6	85.71%	
*151. II Sem. of M.Sc. (Applied Chemistry)	23	—	18	5	23	—	—	—	14	14	—	—	—	—	—	—	—	18	78.26%	
*152. III Sem. of M.Sc. (Applied Chemistry)	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Nil
153. IV Sem. of M.Sc. (Applied Chemistry)	24	—	20	4	24	1	15	3	—	19	—	—	—	—	—	—	—	4	23	100%
154. I Sem. of M.Sc. (Applied Physics)	4	—	4	—	4	—	—	—	—	4	—	—	—	—	—	—	—	—	4	100%
*155. II Sem. of M.Sc. (Applied Physics)	15	—	15	—	15	—	—	—	8	8	—	—	—	—	—	—	—	8	53.33%	
*156. III Sem. of M.Sc. (Applied Physics)	6	1	5	—	5	—	—	—	—	4	4	—	—	—	—	—	—	4	80.00%	
*157. IV Sem. of M.Sc. (Applied Physics)	20	1	19	—	19	—	19	—	8	8	1	17	—	—	—	—	—	17	89.77%	

\*No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
*158. I Sem. of M.Sc. (Applied Maths.)	7	—	4	3	7	—	—	—	—	—	—	3	—	—	—	—	—	—	5	71.42%
*159. II Sem. of M.Sc. (Applied Maths.)	28	12	14	26	—	—	—	—	—	—	—	9	—	—	—	—	—	2	21	80.77%
160. IV Sem. of M.Sc. (Applied Maths.)	11	—	10	1	11	—	2	3	4	—	—	—	—	—	—	—	—	1	10	90.90%
*161. I Sem. of B.Pharm. II	3	—	1	2	3	—	—	—	—	—	—	1	—	—	—	—	—	1	2	66.67%
162. II Sem. of B.Pharm. II	21	—	7	14	21	2	3	2	—	—	—	7	5	3	5	1	14	21	100%	
*163. I Sem. of B.Pharm. III	2	—	1	1	2	—	—	—	—	—	—	1	—	—	—	—	—	1	1	50.00%
164. II Sem. of B.Pharm. III	26	—	5	21	26	—	—	—	—	—	—	4	4	9	—	—	—	21	80.76%	
*165. I Sem. of B.Pharm. IV	1	—	1	—	1	—	—	—	—	—	—	1	—	—	—	—	—	1	100%	
166. II Sem. of B.Pharm. IV	29	—	12	17	29	3	3	6	—	—	—	12	3	5	9	—	—	17	29	100%
*167. II Sem. of M.Pharm. I	3	—	2	3	5	—	1	—	—	—	—	2	—	—	—	—	—	3	5	100%
168. II Sem. of M.Pharm. II	5	—	4	1	5	—	—	—	—	—	—	4	—	—	—	—	—	5	5	100%
*169. I Sem. of B.Arch. I	37	—	23	14	37	2	3	6	7	18	—	7	18	—	—	—	—	31	83.78%	
170. II Sem. of B.Arch. I	10	1	4	5	9	—	—	—	—	—	—	2	2	—	—	—	—	6	67.00%	
*171. I Sem. of B.Arch. II	41	1	18	22	40	—	—	—	7	5	12	—	—	3	10	4	17	29	72.50%	
*172. II Sem. of B.Arch. II	8	—	8	—	8	—	—	—	—	2	2	—	—	—	—	—	—	2	25.00%	
*173. I Sem. of B.Arch. III	40	—	25	15	40	—	—	—	2	10	4	16	1	—	—	—	—	27	67.50%	
174. II Sem. of B.Arch. III	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1	100%	
*175. I Sem. of B.Arch. IV	38	—	21	17	38	—	—	—	6	12	—	20	—	—	—	—	—	37	97.36%	
176. II Sem. of B.Arch. IV	4	1	3	—	3	—	—	—	—	—	—	2	—	—	—	—	—	2	67.00%	
*177. I Sem. of B.Arch. V (Final)	41	1	30	10	40	1	4	9	8	22	—	8	—	—	—	—	—	30	76.92%	
178. II Sem. of B.Arch. V (Final)	4	—	2	2	4	—	—	—	—	—	—	2	2	—	—	—	—	4	100%	
*179. I Sem. of P.G. Dip. in Low Cost Housing	5	—	3	2	5	—	—	—	—	—	—	1	3	1	—	—	—	2	5	100%
180. II Sem. of P.G. Dip. in Low Cost Housing	3	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Nil
*181. I Sem. of F.Y. B.Sc. (Tech.)	18	1	17	—	17	1	—	—	—	—	—	10	1	12	—	—	—	—	12	70.58%
182. II Sem. of F.Y. B.Sc. (Tech.)	3	—	3	—	3	—	—	—	—	—	—	3	—	—	—	—	—	—	3	100%
*183. I Sem. of S.Y. B.Sc. (Tech.)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

\*No Class is awarded.

184.	II Sem. of S.Y. B.Sc. (Tech.)	19	—	19	—	19	2	9	4	4	19	—	—	—	—	19	100%			
*185.	I Sem. of T.Y. B.Sc. (Tech.)	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	Nil			
186.	II Sem. of T.Y. B.Sc. (Tech.)	18	1	17	—	17	1	7	8	—	16	—	—	—	—	16	94.11%			
*187.	Ist LL.B.	837	215	543	79	622	—	—	—	124	124	—	—	27	27	151	24.27%			
188.	IInd LL.B. (General)	370	86	241	43	284	—	1	41	20	62	—	—	17	4	21	29.22%			
*189.	LL.B. (Special) VI Semester	17	4	11	2	13	—	—	2	8	10	—	—	—	1	11	84.61%			
190.	LL.B. (Special)	88	17	62	9	71	—	—	51	—	51	—	—	9	—	60	84.50%			
*191.	LL.M.—Part I	45	23	19	3	22	—	—	—	8	8	—	—	—	—	8	36.36%			
*192.	LL.M.—Part II	14	5	9	—	9	—	—	4	—	4	—	—	—	—	4	44.44%			
*193.	D.T.P.	221	40	161	19	180	—	—	—	103	103	—	—	12	12	115	64.24%			
*194.	D.L.P.	199	53	131	15	146	—	—	—	52	52	—	—	4	4	56	39.43%			
195.	Dip. in Music, Dance and Dramatics	55	4	22	29	51	1	5	7	7	20	—	3	10	12	25	45	88.23%		
196.	Post-Dip. in Natuvangam	3	—	—	3	3	—	—	—	—	—	—	—	2	1	3	3	100%		
197.	B. Music	20	—	12	8	20	—	1	7	2	10	—	6	—	1	7	17	89.40%		
198.	M. Music	14	—	5	9	14	—	2	1	—	3	1	5	2	—	8	11	78.57%		
199.	Dip. in Fine Arts	34	—	31	3	34	2	9	10	6	27	—	—	1	1	2	29	85.20%		
200.	Post-Dip. in Fine Arts	13	—	10	3	13	3	1	6	—	10	—	1	2	—	3	12	100%		
201.	B.A. (Fine)	22	—	14	8	22	—	6	8	—	14	1	2	4	—	7	21	95.40%		
202.	M.A. (Fine)	21	1	15	5	20	—	11	3	—	14	—	1	2	—	3	17	85.00%		
203.	M.A. Fine Muscology	1	—	1	—	1	—	—	1	—	1	—	—	—	—	—	1	100%		
204.	B.Sc. (Home)	134	8	—	126	126	—	—	—	—	—	—	†17	†57	‡43	£7	124	124	98.41%	
205.	M.Sc. (Home)	53	—	—	53	53	—	—	—	—	—	—	—	†18	†27	§1	£2	48	48	90.56%
206.	P.G. Dip. in Pre-School Education	21	—	—	21	21	—	—	—	—	—	—	—	†4	†12	§5	—	21	21	100%
207.	U.G. Dip. in Child Development	16	—	—	16	16	—	—	—	—	—	—	—	†10	†5	—	—	15	15	93.75%

\* No Class is awarded. † Passed with A. ‡ Passed with B. § Passed with C. £ Passed with D.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
208.	M.S.W.	36	—	22	14	36	—	—	—	—	18	18	—	—	14	14	—	32	88.88%
*209.	P.G. Dip. in I.R.P.M.	9	—	9	—	9	—	—	—	—	8	8	—	—	—	—	—	8	88.88%
*210.	Ph.D. (Arts)	7	—	4	3	7	—	—	—	—	—	4	—	—	—	—	3	7	100%
*211.	Ph.D. (Science)	15	—	13	2	15	—	—	—	—	13	—	—	—	—	—	2	15	100%
*212.	Ph.D. (Education)	12	—	9	3	12	—	—	—	—	9	—	—	—	—	—	3	12	100%
*213.	Ph.D. (Commerce)	1	—	1	—	1	—	—	—	—	1	—	—	—	—	—	—	1	100%
*214.	Ph.D. (Medicine)	2	—	1	1	2	—	—	—	—	1	—	—	—	—	—	1	2	100%
*215.	Ph.D. (Tech. and Engg.)	4	—	4	—	4	—	—	—	—	4	—	—	—	—	—	—	4	100%
*216.	Ph.D. (Home Science)	3	—	—	3	3	—	—	—	—	—	—	—	—	—	—	3	3	100%
*217.	Ph.D. (Social Work)	2	—	1	1	2	—	—	—	—	—	—	—	—	—	—	1	2	100%

\* No Class is awarded.

Results of the University Examinations of October, 1983

Appendix XIII

Sr.No.	Examination	Number appeared		Number Passed																			Percentage of Passes
		Men	Women	Men									Women										
				Total	I Class Dist.	I Class	II Class	Pass Class	Total	I Class Dist.	I Class	II Class	Pass Class	Total	Grand Total								
1	2			3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19			
		No. Regd.	No. Absent	Men	Women	Total	I Class Dist.	I Class	II Class	Pass Class	Total	I Class Dist.	I Class	II Class	Pass Class	Total	Grand Total						
1.	F.Y.B.A.	267	31	80	156	236	—	—	—	16	16	—	—	—	—	—	51	51	67	28.38%			
*2.	S.Y.B.A.	336	28	148	160	308	—	—	—	38	38	—	—	—	—	—	65	65	103	33.44%			
3.	T.Y.B.A.	195	44	95	56	151	—	—	3	40	43	—	—	—	—	—	32	32	75	49.66%			
*4.	M.A.—Part I	28	4	11	13	24	—	—	—	7	7	—	—	—	—	—	10	10	17	70.83%			
5.	M.A.—Part II	16	4	9	3	12	—	—	—	4	4	—	—	—	—	—	1	1	5	41.66%			
6.	F.Y.B.Sc.	293	21	178	94	272	—	—	—	5	79	85	—	—	—	—	46	57	142	52.20%			
*7.	S.Y.B.Sc.	107	12	71	24	95	—	—	—	43	43	—	—	—	—	—	16	16	59	62.10%			
8.	T.Y.B.Sc.	190	36	119	35	154	—	—	—	23	37	60	—	—	—	—	5	13	19	79	51.23%		

\* No Class is awarded.

Sr.No.	Examination	Number appeared		Number Passed																			Percentage of Passes
		Men	Women	Men									Women										
				Total	I Class Dist.	I Class	II Class	Pass Class	Total	I Class Dist.	I Class	II Class	Pass Class	Total	Grand Total								
1	2			3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19			
		No. Regd.	No. Absent	Men	Women	Total	I Class Dist.	I Class	II Class	Pass Class	Total	I Class Dist.	I Class	II Class	Pass Class	Total	Grand Total						
*9.	M.Sc. (Previous)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
10.	M.Sc. (Final)	111	40	57	14	71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
11.	F.Y.B.Com.	1469	136	871	462	1333	—	—	—	2	300	302	—	—	—	—	5	206	211	513	38.48%		
*12.	S.Y.B.Com.	653	99	375	179	554	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
13.	T.Y.B.Com.	608	135	439	34	473	—	—	—	1	4	73	78	—	—	—	2	39	41	119	34.36%		
*14.	T.Y.B.Com. O. 27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
*15.	T.Y.B.Com. O. 25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
*16.	M.Com (Previous)	3	3	3	9	46	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
*17.	M.Com—Part I	58	12	35	1	3	—	—	—	1	11	23	35	—	—	—	—	—	—	—	—		
18.	M.Com.—Part II	4	1	2	1	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
19.	P.G. Diploma in Banking	12	2	10	—	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
*20.	P.G. Diploma in Co-operation	149	1	114	34	148	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
*21.	M.B.B.S. I	44	1	36	7	43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
*22.	M.B.B.S. II	36	—	32	4	36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
*23.	M.B.B.S. III	3	—	3	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
*24.	D.O. Ophthalmology	4	—	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
*25.	Diploma in G.O.	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
*26.	Diploma in Child Health	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
*27.	Diploma in Industrial Health	3	—	3	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
*28.	Medical—Part I (M.Sc.)	21	2	11	8	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
*29.	Medical—Part II (M.Sc.)	7	—	7	7	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
*30.	T.Y.B.Physiotherapy	44	—	29	15	44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
*31.	M.D.	33	2	29	2	31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
*32.	M.S.	420	7	385	28	413	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
*33.	I Sem. of F.Y. Dip. (CME)	78	5	69	4	73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
34.	II Sem. of F.Y. Dip. (CME)	401	17	362	22	384	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
*35.	I Sem. of S.Y. Dip. (CME)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

\* No Class is awarded.

	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
36. II Sem. of S.Y. Dip. (CME)	87	21	65	1	66	—	—	—	16	16	—	—	—	—	—	16	24.24%
37. I Sem. of D.C.E.	168	2	163	3	166	—	—	—	143	143	—	—	—	3	3	146	87.95%
*38. I Sem. of D.M.E.	151	6	145	—	145	—	—	—	126	126	—	—	—	—	—	126	85.71%
*39. I Sem. of D.E.E.	82	1	79	2	81	—	—	—	67	67	—	—	—	2	2	69	85.18%
40. II Sem. of D.C.E.	8	4	4	—	4	—	—	—	—	—	—	—	—	—	—	—	Nil
41. II Sem. of D.M.E.	14	5	9	—	9	—	—	2	1	3	—	—	—	—	—	3	33.33%
42. II Sem. of D.E.E.	11	3	8	—	8	—	—	1	3	4	—	—	—	—	—	4	50.00%
*43. I Sem. (CME) V Sem. Course	15	2	13	—	13	—	—	—	9	9	—	—	—	—	—	9	69.02%
H.S.C. Passed	13	2	11	—	11	—	—	—	7	7	—	—	—	—	—	7	63.63%
44. II Sem. (CME) V Sem. Course	190	—	188	2	190	—	78	69	27	174	—	1	1	—	—	176	92.63%
H.S.C. Passed	2	1	1	—	1	—	—	—	—	—	—	—	—	—	—	—	Nil
45. III Sem. (CME) V Sem. Course	91	2	88	1	89	—	72	11	2	85	—	1	—	—	—	86	96.62%
H.S.C. Passed	75	1	74	—	74	—	64	9	—	73	—	—	—	—	—	73	98.64%
46. IV Sem. (CME) V Sem. Course	29	—	29	—	29	—	25	4	—	29	—	—	—	—	—	29	100%
H.S.C. Passed	199	—	194	5	199	—	—	—	155	155	—	—	—	4	4	159	79.09%
*51. I Sem. of S.Y. Dip. (CME)—EDC	255	24	231	—	231	—	—	—	40	40	—	—	—	—	—	40	17.78%
52. II Sem. of S.Y. Dip. (CME)—EDC	71	9	62	—	62	—	—	—	10	10	—	—	—	—	—	10	16.39%
*53. I Sem. of Final Year D.C.E.—EDC	46	5	40	1	41	—	—	—	30	30	—	—	—	—	—	30	73.17%
*54. I Sem. of Final Year D.M.E.—EDC	54	3	51	—	51	—	—	—	34	34	—	—	—	—	—	34	66.67%
*55. I Sem. of Final Year D.E.E.—EDC	76	13	63	—	63	—	—	—	20	20	—	—	—	—	—	20	32.28%

\* No Class is awarded.

	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
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56. II Sem. of Final Year D.C.E.—EDC	7	3	4	—	4	—	—	—	1	1	2	—	—	—	—	2	50.00%
57. II Sem. of Final Year D.M.E.—EDC	13	4	9	—	9	—	—	—	1	1	1	—	—	—	—	1	11.11%
58. II Sem. of Final Year D.E.E.—EDC	34	7	27	—	27	—	—	—	1	3	4	—	—	—	—	4	14.81%
*59. I Sem. of F.Y. Dip. (PCT)	54	1	51	2	53	—	—	—	33	33	—	—	2	2	35	66.01%	
60. II Sem. of F.Y. Dip. (PCT)	6	1	5	—	5	—	—	—	—	—	—	—	—	—	—	—	Nil
*61. I Sem. of S.Y. Dip. (PCT)	45	—	37	8	45	—	—	—	25	25	—	—	—	8	8	33	73.30%
62. II Sem. of S.Y. Dip. (PCT)	10	—	10	—	10	—	—	—	5	5	—	—	—	—	—	5	50.00%
*63. I Sem. of T.Y. Dip. (PCT)	47	—	47	—	47	—	—	—	33	33	—	—	—	—	—	33	70.02%
64. II Sem. of T.Y. Dip. (PCT)	5	—	5	—	5	—	—	—	5	5	—	—	—	—	—	5	100%
*65. I Sem. of Final Year Dip. (Oil)	19	—	19	—	19	—	—	—	18	18	—	—	—	—	—	18	96.05%
*66. I Sem. of Final Year Dip. (Plastic)	20	—	20	—	20	—	—	—	20	20	—	—	—	—	—	20	100%
*67. I Sem. of Final Year Dip. (Fertilizer)	18	—	18	—	18	—	—	—	17	17	—	—	—	—	—	17	96.05%
*68. II Sem. of Final Year Dip. PCT (Plastic)	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100%
*69. I Sem. of P.D.D. Refri. and Air Cond.	21	1	20	—	20	—	—	—	17	17	—	—	—	—	—	17	85.00%
70. II Sem. of P. D. D. (Refri. & Aircond.)	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100%
*71. I Sem. of F.Y. D.T.T.	23	—	22	1	23	—	—	—	13	13	—	—	—	1	1	14	60.86%
*72. I Sem. of F.Y. D.T.C.	17	2	15	—	15	—	—	—	7	7	—	—	—	—	—	7	46.70%
*73. I Sem. of Final D.T.C.	11	—	11	—	11	—	—	9	—	—	—	—	—	—	—	9	81.08%
74. II Sem. of Final D.T.C.	2	—	2	—	2	—	—	—	1	1	—	—	—	—	—	1	50.00%
*75. I Sem. of B.Sc. D.T.C.	44	2	42	—	42	—	—	—	30	30	—	—	—	—	—	30	71.42%
76. II Sem. of B.Sc. D.T.C.	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100%
*77. I Sem. of Final D.T.T.	16	—	16	—	16	—	—	—	14	14	—	—	—	—	—	14	93.00%
78. II Sem. of Final D.T.T.	1	—	1	—	1	—	—	—	34	34	—	—	—	—	—	—	Nil
*79. I Sem. of F.Text. (Engg. & Tech.)	71	3	66	2	68	—	—	—	34	34	—	—	—	2	2	36	52.95%
*80. II Sem. of F.Text. (Engg. & Tech.)	9	—	9	—	9	—	—	—	3	3	—	—	—	—	—	3	33.33%

\* No Class is awarded.

	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
*81. I Sem. of S.Text. (Engg. & Tech.)	53	—	51	1	52	—	—	—	—	43	43	—	—	—	1	1	44	84.61%
*82. II Sem. of S.Text. (Engg. & Tech.)	7	2	5	—	5	—	—	—	—	4	4	—	—	—	—	—	4	80.00%
*83. I Sem. of T.Text. (Engg.)	16	—	16	—	16	—	—	—	—	10	10	—	—	—	—	—	10	62.05%
*84. II Sem. of T.Text. (Engg.)	8	—	8	—	8	—	—	—	—	5	5	—	—	—	—	—	5	62.05%
*85. I Sem. of T.Text. (Tech.)	29	—	29	—	29	—	—	—	—	26	26	—	—	—	—	—	26	89.65%
*86. II Sem. of T.Text. (Tech.)	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	Nil
*87. I Sem. of B.Text. (Engg.)	32	2	30	—	30	—	—	—	—	24	24	—	—	—	—	—	24	80.00%
*88. II Sem. of B.Text. (Engg.)	3	1	2	—	2	—	—	—	—	1	1	—	—	—	—	—	1	50.00%
*89. I Sem. of B.Text. (Tech.)	35	1	34	—	34	—	—	—	—	33	33	—	—	—	—	—	33	97.05%
*90. II Sem. of B.Text. (Tech.)	1	1	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	Nil
*91. I Sem. of B.E. I—4 Year																		
(CME; Chem; Met; Electro; CST.)	537	3	489	45	534	—	—	—	—	283	283	—	—	21	21	304	57.30%	
*92. II Sem. of B.E. I—4 Year																		
(CME; Chem; Met; Electro; CST)	90	3	82	5	87	—	—	—	—	42	42	—	—	3	3	45	51.72%	
*93. I Sem. of B.E. II—4 Year																		
(CME; Chem; Met; CST)	426	4	402	20	422	—	—	—	—	286	286	—	—	15	15	301	71.32%	
*94. II Sem. of B.E. II—4 Year																		
(CME; Chem; Met; Electro; CST)	61	1	58	2	60	—	—	—	—	35	35	—	—	2	2	37	61.66%	
*95. I Sem. of B.E. III—4 Year																		
(CME; Chem; Met.)	317	3	301	13	314	—	—	—	—	253	253	—	—	12	12	265	84.26%	
*96. II Sem. of B.E. III—4 Year																		
(CME; Chem; Met; Electro.)	12	1	11	—	11	—	—	—	—	6	6	—	—	—	—	6	54.54%	
*97. I Sem. of B.E. III—5 Year																		
(CME; Chem. Met; Electro.)	35	4	31	—	31	—	—	—	—	18	18	—	—	—	—	18	58.06%	
*98. II Sem. of B.E. III—5 Year																		
(CME; Chem; Met; Electro.)	53	2	51	—	51	—	—	—	—	29	29	—	—	—	—	29	58.00%	
*99. I Sem. of B.E. IV—5 Year																		
(CME; Chem; Met; Electro.)	252	4	233	15	248	—	—	—	—	186	186	—	—	12	12	198	79.84%	

\* No Class is awarded.

100. II Sem. of B.E. IV—5 Year (CME; Chem; Met; Electro.)	31	1	28	2	30	—	—	—	—	16	16	—	—	1	1	17	56.66%
*101. I Sem. of B.E. IV (Civil) —4 Year—Final	34	—	33	1	34	—	—	—	—	32	32	—	—	1	1	33	94.11%
*102. I Sem. of B.E. IV (Mech.) —4 Year—Final	78	—	78	—	78	—	—	—	—	78	78	—	—	—	—	78	100%
*103. I Sem. of B.E. IV (Elect.)	28	—	21	7	28	—	—	—	—	17	17	—	—	6	6	23	82.19%
*104. I Sem. of B.E. IV (Chem.) —4 Year—Final	28	—	28	—	28	—	—	—	—	23	23	—	—	—	—	23	82.19%
*105. I Sem. of B.E. IV (Met.) —4 Year—Final	1	—	1	—	1	—	—	—	—	1	1	—	—	—	—	1	100%
*106. I Sem. of B.E. IV (Electro.) —4 Year—Final	18	1	14	3	17	—	—	—	—	12	12	—	—	3	3	15	88.23%
*107. I Sem. of B.E. V (Civil) —5 Year—Final	85	1	83	2	85	—	—	—	—	82	82	—	—	2	2	84	98.82%
*108. I Sem. of B.E. V (Mech.) —5 Year—Final	86	—	86	—	86	—	—	—	—	85	85	—	—	—	—	85	98.83%
*109. I Sem. of B.E. V (Elect.) —5 Year—Final	49	—	43	6	49	—	—	—	—	36	36	—	—	6	6	42	85.71%
*110. I Sem. of B.E. V (Chem.) —5 Year—Final	24	—	24	—	24	—	—	—	—	19	19	—	—	—	—	19	79.16%
*111. I Sem. of B.E. V (Met.) —5 Year—Final	28	—	28	—	28	—	—	—	—	23	23	—	—	—	—	23	82.14%
*112. I Sem. of B.E. V (Electro.) —5 Year—Final	20	—	18	2	20	—	—	—	—	17	17	—	—	2	2	19	95.00%
*113. I Sem. of B.E. V (Civil) —5 Year—Final	2	—	2	—	2	—	—	—	—	1	1	—	—	—	—	1	50.00%

\* No Class is awarded.





List of Degree/Diploma Conferred at the Annual and Supplementary Convocations during the year 1983-84

Sr. No.	Degree/Diploma	Annual Convocation December, 1983	Supplementary Convocation May, 1984	Total
1.	Ph.D. (Arts)			
2.	Ph.D. (Science)	10	6	16
3.	Ph.D. (Education)	19	7	26
4.	Ph. D. (Technology)	11	9	20
5.	Ph. D. (Home Science)	6	1	7
6.	Ph.D. (Social Work)	1	4	5
7.	M.D.	1	—	1
8.	M.S.	11	29	40
9.	M.A.	10	18	28
10.	Acharya	155	6	161
11.	B.A.	1	—	1
12.	Shastri	527	61	588
13.	Bachelor of Library Science	3	—	3
14.	M.Sc.	21	—	21
15.	B.Sc.	226	4	230
16.	Post-M.Sc. Dip. in Nutritional Biochemistry	396	80	476
17.	M.Ed.	1	—	1
18.	B.Ed.	29	—	29
19.	P.G. Dip. in Organisation Behaviour	206	2	208
20.	P.G. Dip. in Clinical Community Psychology	9	—	9
21.	P.G. Dip. in Edu. Administration	5	—	5
22.	M.Com.	—	1	1
23.	B.Com.	206	44	250
24.	P.G. Dip. in Banking	1407	120	1527
25.	P.G. Dip. in Co-operation	36	1	37
26.	M.Sc. (Medical)	8	4	12
27.	M.B.B.S.	4	10	14
28.	B.Physiotherapy	25	109	134
		2	24	26

Sr. No.	Degree/Diploma	Annual Convocation December, 1983	Supplementary Convocation May, 1984	Total
29.	D.O.	2	3	5
30.	D.A.	3	—	3
31.	D.M.R.D.	1	—	1
32.	D.C.H.	2	1	3
33.	D.V. and D.	1	—	1
34.	T.D.D.	3	—	3
35.	D.G.O.	1	4	5
36.	M.E.	16	14	30
37.	M.Text. (Engg.)	—	6	6
38.	M.Pharm.	5	—	5
39.	M.Sc. (Apply Physics)	17	1	18
40.	M.Sc. (Appl. Chemistry)	12	1	13
41.	M.Sc. (Appl. Mathematics)	10	—	10
42.	B.E.	445	41	486
43.	B.Text. (Engg.)	31	1	32
44.	B.Text. (Tech.)	38	—	38
45.	B.Arch.	31	7	38
46.	B.Pharm.	29	—	29
47.	Bachelor of Science (Tech.) Textile Chemistry	16	1	17
48.	P.G. Dip. in Low Cost Housing	5	—	5
49.	LL.M.	4	1	5
50.	LL.B. (Special)	73	13	86
51.	LL.B. (General)	86	59	145
52.	D.T.P.	115	17	132
53.	D.L.P.	56	9	65
54.	M.A. (Fine)	16	2	18
55.	M.Mus.	11	—	11
56.	B.A. (Fine)	21	—	21
57.	B.Mus.	17	—	17
58.	M.Sc. (Home)	48	4	52
59.	B.Sc. (Home)	129	14	143
60.	P.G. Dip. in Pre-School Education	20	—	20
61.	M.S.W.	30	6	36
62.	P.G. Dip. in I.R.P.M.	8	3	11

Statement showing the number of Teaching Staff of various Faculties/Institutions as on 31st March, 1984

Sr. No.	Faculty/Institutions	Professor	Reader	Lecturers	Teaching Assistant	Honorary Research and other	Part-time	Total
1.	Faculty of Arts	11	28	62	3	—	—	104
2.	Faculty of Science	24	47	129	14	—	—	214
3.	Faculty of Edu. and Psy.	7	16	15	—	—	1	39
4.	Faculty of Commerce	4	9	32	18	—	1	64
5.	Faculty of Tech. and Engg.	35	57	142	19	—	41	294
6.	Faculty of Fine Arts	5	9	15	2	—	—	31
7.	Faculty of Home Science	5	15	29	10	2	—	61
8.	Faculty of Social Work	1	6	6	1	—	1	15
9.	Faculty of Law	1	1	4	1	—	10	17
10.	Oriental Institute	1	1	6	—	—	—	8
11.	Faculty of Performing Arts	3	13	24	—	4	1	45
12.	Baroda Sanskrit Mahavidyalaya	—	—	7	6	2	4	19
13.	M. K. Amin Arts and Science College and College of Commerce, Padra	—	—	22	5	—	2	29
14.	Polytechnic	—	5	85	—	3	—	93
	<b>Total</b>	<b>97</b>	<b>207</b>	<b>578</b>	<b>79</b>	<b>11</b>	<b>61</b>	<b>1033</b>

Statement showing (1) the New appointments (2) Teachers appointed to higher position (3) Teachers who left (4) Teachers who returned from abroad (5) Teachers who continued their Further Studies abroad (6) Teachers who granted Facilities for further studies in India and abroad.

### FACULTY OF ARTS

#### 1. New appointments :

- (1) Miss Priyo Saldhana
- (2) Miss C. M. Bharucha
- (3) Mrs. Augusta Paul

Temp. Lect. in German Deptt.  
Temp. Lect., Sociology Deptt.  
Teaching Asstt. Sociology Deptt.

#### 2. Teachers appointed to higher positions promoted :

Name	Present Designation	Department	Previous Designation
1. Dr. M. M. Dadi	Professor	Economics	Reader
2. Dr. C. M. Gupta	Reader	Geography	Lecturer
3. Dr. (Smt.) V. C. Rangaswamy	Reader	Geography	Lecturer
4. Dr. Thomas Pantham	Professor	Political Science	Reader
5. Shri D. H. Mohite	Reader	Political Science	Lecturer
6. Dr. U. S. Deshpande	Reader	Sanskrit	Lecturer
7. Dr. R. D. Pathak	Reader	Hindi	Lecturer
8. Dr. P. N. Jha	Reader	Hindi	Lecturer
9. Dr. B. D. Sharma	Reader	Hindi	Lecturer
10. Dr. (Kum.) P. R. Bafna	Reader	Hindi	Lecturer
11. Shri R. J. Shah	Reader	History	Lecturer
12. Kum. U. R. Patel	Reader	History	Lecturer
13. Kum. B. S. Desai	Reader	Sociology	Reader
14. Dr. S. N. Chaudhari	Professor	Archaeology	Lecturer
15. Dr. V. S. Parekh	Reader	Archaeology	Lecturer
16. Dr. V. H. Sonawane	Reader	Archaeology	Lecturer
17. Dr. R. K. Raval	Reader	English	Reader
18. Dr. (Kum.) S. G. Palkar	Professor	English	Lecturer
19. Shri Pepalla Ankama	Reader	English	Lecturer
20. Dr. O. P. Joneja	Reader	English	Lecturer
21. Dr. L. M. Desai	Reader	Gujarati	Lecturer
22. Dr. S. J. Panchal	Reader	Gujarati	Lecturer
23. Shri N. C. Desai	Reader	Gujarati	Lecturer

## 3. Teachers who left :

Name of the Teacher	Designation	Remarks (if any) for example upgraded to what level in which subject or reason for leaving the University etc.
Dr. R. M. Mirchandani	Lecturer in Archaeology Department	Relieved
Dr. K. M. Momin	—do—	Resigned

## 4. Teachers who were granted facilities for further studies in India and abroad during the year :

## German Department

Dr. D. Srinivasan	Reader	Fellowship from F.R.G. through UGC	Postdoctoral research at University of Bielefeld, West Germany.
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## Philosophy Department

- Miss S. Divetia  
58th Session of Indian Philosophical Congress 1-4 January, 1984.
- Dr. H. M. Joshi  
—do—

## Faculty of Science

## 1. New Appointment :

Sr.No.	Name	Designation	Deptt.	Date of Joining
1	2	3	4	5
1.	Shri C. N. Ramchand	Lecturer	Biochemistry	20-6-1983
2.	Dr. G. M. Nair	Lecturer	Botany	20-6-1983
3.	Dr. G. M. Oza	Lecturer	Botany	20-6-1983
(Transfer from General Education Centre)				
4.	Dr. Ketan Shah	Lecturer	Microbiology	1-7-1983
5.	Dr. Triptikumari Mukhopadhyay	Lecturer	Chemistry	20-7-1983
6.	Shri J. A. Patel	Lecturer	Statistics	1-8-1983
7.	Shri V. A. Palejwala	Lecturer	Microbiology	9-9-1983

1	2	3	4	5
8.	Dr. A. K. Rakshit	Reader in Phy. Chem.	Chemistry	28-9-1983
9.	Dr. (Smt.) D. P. Bhatt	Lecturer	Botany	1-12-1983
10.	Dr. J. R. Pandya	Professor	Physics	28-12-1983
11.	Dr. D. C. Patel	Lecturer	Chemistry	2-1-1984
(Transfer from Polytechnic)				
12.	Dr. M. D. Jani	Lecturer	Biochemistry	4-2-1984
13.	Dr. K. P. Mistry	Lecturer	Biochemistry	31-3-1984

## 2. Teachers appointed to higher positions

The following Readers in the Faculty were promoted as Professors from 6-6-1983 as per guide lines of U.G.C. (Merit Promotions):

1.	Dr. S. K. Srivastava	Professor of Biochemistry
2.	Dr. L. J. Parekh	Professor of Biochemistry
3.	Dr. S. D. Desai	Professor of Geology
4.	Dr. D. R. Gadekar	Professor of Geology
5.	Dr. J. P. Singhal	Professor of Mathematics
6.	Dr. S. K. Shah	Professor of Physics
7.	Dr. H. S. Desai	Professor of Physics
8.	Dr. P. M. Ambedkar	Professor of Zoology

The following Lecturers in the Faculty were promoted as Reader from 6-6-1983 as per guide lines of U.G.C. (Merit Promotion):

1.	Dr. S. J. Bodi	Reader in Botany
2.	Dr. (Smt.) M. A. Padhya	Reader in Botany
3.	Dr. G. Pratapsenan	Reader in Botany
4.	Dr. G. M. Oza	Reader in Botany
5.	Shri A. N. Godbole	Reader in Chemistry
6.	Dr. T. I. Patel	Reader in Chemistry
7.	Dr. R. H. Mehta	Reader in Chemistry
8.	Dr. R. S. Shah	Reader in Chemistry
9.	Dr. R. N. Kapadia	Reader in Chemistry
10.	Dr. B. V. Sath	Reader in Chemistry
11.	Dr. C. M. Gupta	Reader in Geography
12.	Dr. B. R. Misra	Reader in Geography
13.	Dr. (Smt.) V. Rangswamy	Reader in Geography
14.	Dr. J. K. Parmar	Reader in Geography

15.	Dr. M. P. Patel	Reader in Geology
16.	Shri D. M. Sringerpure	Reader in Geology
17.	Dr. A. N. Shah	Reader in Geology
18.	Dr. N. V. Patel	Reader in Mathematics
19.	Dr. H. S. Cahatpar	Reader in Microbiology
20.	Shri V. R. Matrubhuteshwaran	Reader in Physics
21.	Dr. P. M. Shah	Reader in Physics
22.	Dr. N. R. Shah	Reader in Physics
23.	Dr. D. J. Wagari	Reader in Physics
24.	Dr. G. R. Pandya	Reader in Physics
25.	Shri R. C. Patel	Reader in Statistics
26.	Dr. A. M. Parikh	Reader in Statistics
27.	Dr. (Kum.) R. V. Nene	Reader in Zoology
28.	Dr. (Kum.) M. V. Asanani	Reader in Zoology
29.	Dr. G. K. Menon	Reader in Zoology
30.	Dr. B. C. Chauhan	Reader in Zoology

## 3.a Teachers who left :

1.	Dr. R. T. Paradesani	Lecturer in Chemistry	24-7-1983
2.	Dr. T. Mukhopadhyay	Lecturer in Chemistry	16-10-1983
3.	Dr. Meghsingh Rawal	Lecturer in Chemistry	17-12-1983
4.	Dr. Ketan Shah	Lecturer in Microbiology	12-12-1983

## 4. Teachers who continued their further studies abroad :

Name	Designation	How was the trip financed	Nature of Studies/Training
1. Dr. N. N. Rao	Lecturer in Microbiology	Post-Doctoral Fellowship from MIT, U.S.A.	Post-Doctoral Research Work.

(His leave was upto 29-2-1984 and as a special case extended leave for a period of one month from 1-3-1984 to 31-3-1984)

2. Dr. G. K. Menan	Lecturer in Zoology	Leave under O. 212 for one year from 6-12-1982 to 6-12-1983	Further extended leave for six months from 6-12-1983 to 6-6-1984 as a very special case.
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## FACULTY OF EDUCATION AND PSYCHOLOGY

## 1. Teachers appointed to higher positions

Name of the Teacher	Designation with subject	Remarks
1. Dr. D. C. Joshi	Prof. in Education	Merit Promotion
2. Dr. (Miss) M. M. Shah	Prof. in Education	Merit Promotion
3. Dr. (Miss) Manjuli Gon	Prof. in Psychology	Merit Promotion
4. Dr. B. R. Panchal	Reader in Education	Merit Promotion
5. Dr. (Mrs.) S. J. Mehta	Reader in Education	Merit Promotion
6. Dr. (Miss) S. L. Patel	Reader in Education	Merit Promotion
7. Dr. (Miss) T. P. Lulla	Reader in Psychology	Merit Promotion
8. Dr. I. D. Bhatt	Reader in Psychology	Merit Promotion
9. Dr. Z. M. Quraishi	Reader in Psychology	Merit Promotion

## 1. Teachers who left :

1. Shri R. S. Thaker	Lecturer in Education retired on 30-9-1983 from the services of the University.
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## FACULTY OF MEDICINE

## 1. New appointments :

Name of the Teacher	Designation with subject	Remarks (if any) for example upgraded to what level in which subject or reason for leaving the University Act.
1. Dr. B. P. Thamankar	Prof. of Anatomy	Transferred
2. Dr. (Smt.) M. Sood	Asstt. Prof. of Anatomy	Promotion
3. Dr. D. K. Gandhi	Tutor in Anatomy	—
4. Dr. D. M. Solanki	Tutor in Anatomy	—
5. Dr. N. D. Mehta	Tutor in Anatomy	—
6. Dr. J. S. Soni	Tutor in Anatomy	—
7. Dr. J. D. Amin	Tutor in Anatomy	—
8. Dr. Rajlaxmi Pandya	Tutor in Anatomy	—
9. Dr. V. Manjula	Prof. of Physiology	Promotion
10. Dr. (Smt.) S. Chandwani	Asstt. Prof. of Physiology	Promotion
11. Dr. T. K. Das	Tutor in Physiology	Promotion
12. Dr. M. R. Shah	Tutor in Physiology	Promotion

1	2	3
13. Dr. (Smt.) E. R. Oommen	Tutor in Physiology	Promotion
14. Dr. B. R. Sainath	Prof. in Pharmacology	
15. Dr. Mrudula Prasad	Tutor in Pharmacology	
16. Dr. P. V. Prabhune	Prof. in Pathology	
17. Dr. (Smt.) V. Handa	Prof. in Pathology	Promotion
18. Dr. M. B. Shah	Asstt. Prof. in Micro.	
19. Dr. (Smt.) G. D. Joshi	Asstt. Prof. in P.S.M.	
20. Dr. (Smt.) A. D. Nanavati	Asstt. Prof. in P.S.M.	
21. Dr. P. V. Kotecha	Asso. Prof. in Rame.	
22. Dr. (Mrs.) M. D. Ray	Asstt. Prof. in Rame.	
23. Dr. N. R. Mehta	Prof. in Medicine	
24. Dr. B. C. Kaji	Asstt. Prof. in Medicine	
25. Dr. D. H. Patel	Asstt. Prof. in Medicine	
26. Dr. J. R. Deliwala	Asstt. Prof. in Medicine	
27. Dr. K. G. Patel	Asstt. Prof. in Surgery	
28. Dr. P. A. Mevada	Asstt. Prof. in Surgery	
29. Dr. N. A. Shah	Asstt. Prof. in O. & G.	
30. Dr. M. R. Chauhan	Asstt. Prof. in Paed.	
31. Dr. J. R. Gohel	Asstt. Prof. in Paed.	
32. Dr. M. J. Vyay	Asstt. Prof. in Opth.	
33. Dr. N. N. Pandya	Tutor in Opth.	
34. Dr. N. H. Patel	Asso. Prof. in Opth.	
35. Dr. P. B. Parikh	Asstt. Prof. in Ortho.	
36. Dr. Smt. S. Khurana	Asstt. Prof. in Cli., Psych.	
37. Dr. (Smt.) V. N. Swadia	Asso. Prof. in Anaesthesia	
38. Dr. J. A. Dave	Asstt. Prof. in Anae.	
39. Dr. U. C. Amin	Tutor in Anae.	
40. Dr. S. Tandon	Tutor in Anae.	
41. Dr. J. M. Jadav	Tutor in Anae.	
42. Dr. R. K. Patel	Tutor in Anae.	
43. Dr. T. K. Shah	Tutor in Anae.	
44. Dr. Archana Desai	Asstt. Prof. in E.N.T.	
45. Dr. A. I. Shah	Tutor in E.N.T.	
46. Dr. V. Batra	Tutor in Radiology	
47. Dr. U. R. Purandare	Part-time Asso. Prof. in For. Med.	
48. Dr. P. H. Barai	Tutor in For. Med.	

1	2	3
49. Dr. J. K. Shah	Tutor in Skin V. D.	
50. Shri P. B. Solanki	Adm. Officer	
51. Shri R. T. Vyay	Adm. Officer	
52. Shri Y. H. Bhatt	Biochemistry	
<b>2. Teacher appointed to higher position</b>		
<i>Name of the Teacher</i>	<i>Designation</i>	<i>Remarks</i>
1. Dr. B. P. Tamankar	Prof. of Anatomy	Transfer
2. Dr. B. R. Sainath	Prof. of Pharma.	Promotion
3. Dr. N. R. Mehta	Prof. of Medicine	Transfer
4. Dr. (Smt.) Chandani	Prof. of Physio.	Promotion
5. Dr. (Smt.) V. Handa	Prof. of Path.	Promotion
<b>3. Teachers who left</b>		
<i>Name of the Teacher</i>	<i>Designation</i>	<i>Remarks</i>
1. Shri M. P. Patel	Asstt. Prof. in Anatomy	Terminated
2. Dr. C. A. Desai	Prof. of Physiology	Transferred
3. Dr. K. K. Shah	Tutor in Pharma	Transferred
4. Dr. (Smt.) S. S. Nagar	Asso. Prof. in P.S.M.	Transferred
5. Dr. D. B. Vyas	Part-time A. P. in P.S.M.	Terminated
6. Dr. A. D. Nanavati	Tutor in P.S.M.	Terminated
7. Dr. R. S. Pande	Prof. in Medicine	Transferred
8. Dr. M. T. Desai	Asstt. Prof. in Med.	Transferred
9. Dr. A. M. Thakkar	Prof. of Surgery	Expired on 1-11-1983
10. Dr. C. B. Nagoti	Asstt. Prof. in O. & G.	Transferred
11. Dr. D. R. Jhala	Asstt. Prof. in Paed.	Promotion and Transferred
12. Dr. P. D. Vithalani	Asstt. Prof. in E.N.T.	Transfer
13. Dr. V. R. Shah	Asstt. Prof. in Anae.	Promotion
14. Dr. P. M. Petrolwala	Tutor in Anae.	Promotion
15. Dr. P. A. Vohra	Asstt. Prof. in Radio.	Transfer
16. Dr. K. R. Patel	Asstt. Prof. in T.B.	Transfer
17. Dr. P. B. Solanki	Adm. Officer	Transfer
18. Dr. U. C. Amin	Tutor in Anae.	Resignation
19. Dr. S. K. Mehta	Tutor in Anae.	Resignation
20. Dr. K. P. Sheth	Tutor in Anae.	Resignation
21. Dr. P. J. Zinzuwadia	Tutor in Anae.	Resignation

1	2	3
22. Dr. J. D. Amin	Tutor in Anatomy	Resignation
23. Dr. D. K. Gandhi	Tutor in Anatomy	Resignation
24. Dr. D. N. Solanki	Tutor in Anatomy	Resignation
25. (Smt.) S. M. Desai	Asstt. Prof. in Radio.	Resignation
26. Dr. M. P. Mehta	Tutor in Radiology	Resignation
27. Dr. D. D. Giri	Tutor in Pathology	Resignation
28. Dr. N. P. Lavingia	Asstt. Prof. in Ortho.	Resignation
29. Dr. H. S. Mehta	Asstt. Prof. in Surgery	Resignation
30. Dr. H. J. Menon	Asstt. Prof. in E.N.T.	Resignation
31. Dr. A. P. Vyas	Asstt. Prof. in Skin v.d.	Resignation

### Technology and Engineering

#### 1. New Appointments

Name of the Teacher	Designation with subject	Remarks
1. Shri P. C. Patel	Lecturer in Textile Engineering	
2. Dr. S. D. Guha	Reader in Textile Chemistry	
3. Shri R. B. Kelkar	Lecturer in Electrical Engg.	
4. Shri S. K. Gandhi	Lecturer in Applied Mechanics	
5. Dr. S. H. Misra	Reader in Pharmacy	
6. Shri A. R. Chudasama	Lecturer in Electrical Engg.	
7. Shri S. K. Joshi	—do—	
8. Shri D. S. Patel	—do—	
9. Kum. R. M. Desai	—do—	
10. Shri K. K. Shah	—do—	
11. Shri P. P. Nehete	—do—	
12. Shri G. I. Amin	—do—	
13. Shri H. A. Advani	—do—	
14. Shri B. S. Parekh	—do—	
15. Kum. Aruna Sharma	—do—	
16. Mrs. Shukla Dasgupta	Lecturer	
17. Shri A. G. Navangul	Applied Mathematics	
18. Dr. K. Babu Pai	Reader in Architecture	
19. Shri M. K. Shah	Reader in Metallurgical Engg.	
20. Shri M. B. Patel	Lecturer in Civil Engg.	
21. Shri K. S. Bhatt	—do—	
22. Shri L. C. Chauhan	—do—	

#### 2. Teachers appointed/promoted to higher positions

Name of the Teacher	Designation with subject	Remarks
1. Shri A. G. Navangul	Lecturer in Architecture	Appointed as Reader in Architecture
2. Shri S. S. Bhatwadekar	Lecturer in Elect. Engg.	Appointed as Reader in Elect. Engg.
3. Dr. N. S. Sundarmurti	Reader in Metallurgical Engg.	Appointed as Professor in Metallurgical Engg.
4. Shri N. B. Parmar	Lecturer in Civil Engg.	Reader in Civil Engg.
5. Shri P. N. Sutaria	—do—	Appointed as Temp. Reader in Civil Engg.

#### 3. Teacher who left

1. Dr. S. H. Mishra	Reader in Pharmacy	Resigned
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#### 4. Teachers who continued their further studies abroad

Name	Designation	How was the trip financed	Nature of Studies/ Training
Mr. Satish Mishra	Lecturer in Metallurgical Engg.		Ph.D. Research and Studies in Australia.

#### iv. Teachers who were granted facilities for further studies in India and abroad during the year.

1. Prof. R. C. Desai	Professor in Elec. Engg.	UNDP	Study tour for Micro-processor.
2. Prof. S. G. Shah	Professor in Elec. Engg.	UNDP	Project Attended Courses in Microprocessor and Computer at University of Notra Dame Indiana, U.S.A.
3. Dr. A. S. Fadke	Professor in Mechanical Engg.	UNDP	Completed Training Programme in University of Illinois at Urbana, U.S.A. in the field of Turbojet, Propulsion.
4. Prof. R. C. Patel	Professor and Head, Department of Mechanical Engg.	UNDP	Study tour for Turbojet Propulsion Programme.

## Faculty of Fine Arts

## New appointments :

## 5. Teachers promoted to higher promotions :

1. Shri R. M. Pandua	Reader
2. Shri V. C. Shah	Reader
3. Miss K. G. Patel	Reader
4. Shri V. P. Trivedi	Reader
5. Shri M. D. Pandya	Professor

## 2. Teacher Left :

Name of the Teacher	Designation	Remarks (if any) for examples upgraded to what level in which subject or reason for leaving the University etc.
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1. Shri H. R. Patel	Lecturer in Wood Curving (Department of Graphic Arts)	Retired
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## 3. Teachers who returned from abroad after acquiring additional qualification :

Name	Designation	How was the Trip financed	Qualifications/Training acquired or experienced gained.
Shri M. S. Deshpande	Lecturer in Process and Blockmaking	To East Germany by UGC Exchange of teachers Scheme from 1st December 1983 to 31st March 1984.	Gained experience in the field of Printing Technology and Graphic Arts. He visited Museums, Art(*)

(\*) Galleries and well known printing House in East Germany. He met the Artist and Scientist in the field.

## Home Science

## 9. Teachers appointed to higher positions :

Name	Designation with subject	Upgraded to what level
Child Development Deptt.		
1. Miss Kiran Parekh	Lecturer, C.D.	Reader
2. Dr. Jyoti Parikh	Lecturer, C.D.	Reader
3. Mrs. Parul Dave	Lecturer, C.D.	Reader

## Education and Extension Deptt.

1. Dr. Kalpana Parlikar	Lecturer, Ed.Ex.	Reader
2. Dr. Ansuya Jazol	Lecturer, Ed.Ex.	Reader

## Home Management Deptt.

1. Mr. B. Barbhaiya	Lecturer, H.M.	Reader
2. Dr. Kamala Srinivasan	Lecturer, H.M.	Reader

## Foods and Nutrition Deptt.

1. Mrs. S. Seshadri	Lecturer, F.N.	Reader
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## Faculty of Law

## New Appointments :

(1) Shri D. B. Naik	Reader in Law
(2) Shri S. D. Panekar	Lecturer in Law
Teacher who continue their Study.	
Shri S. N. Parikh, Lecturer in Law	

## Oriental Institute

## 1. Member who left the University :

1. Dr. Brahmadata,	Resigned on 1-12-1983.
General Editor, Vishnupurana Project.	

## 2. Teachers who were granted facilities for further studies in India and abroad during the year.

Name	Designation	How was the trip financed	Nature of Higher studying/Training
1. Pandya, B. P.	Research Officer	Granted one year study leave from 6-7-83 under O.209F for doing Ph.D.	Ph.D. in Sanskrit

## Performing Arts

## 1. New Appointments :

1. Shri L. P. Bapat	Lecturer in Vocal Music—20-6-1983.
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## 2. Teachers appointed to higher positions :

1. Smt. Jyotsna R. Moha	} Temp. Lecturer from 23-11-1983
2. Shri A. S. Pathan	
3. Shri R. B. Moha	

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Name	Designation	How was the Trip financed	Qualification acquired or gained	Training experience
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NIL

(iii) Teachers who continued their further Studies abroad.

Name	Designation	How was the Trip financed	Nature of Studies / Training
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NIL

3. Teachers who were granted facilities for further Studies in India and abroad during the year.

Name and Designation	How was the Trip Financed	Nature of Higher Studies/Training
----------------------	---------------------------	-----------------------------------

**For M.E.**

- |  |   |   |
|--|---|---|
| 1. Shri B. M. Patel,<br>Lecturer in App. Mech.<br>Deptt. | — | Post-Graduate Degree<br>Courses, Faculty of Tech.<br>and Engg. MSU, Baroda. |
| 2. Shri D. B. Parikh,<br>Lect. in M.E. Deptt.            | — | —do—  |
| 3. Mrs. S. S. Gurjar,<br>Lect. in Elect. Engg.           | 6 | —do—  |
| 4. Shri A. S. Patel,<br>Lect. in Civil Deptt.            | — | Water research Engg.  |
| 5. Shri S. C. Panchal,<br>Lect. in M.E. Deptt.           | — | —do—  |

**For B.E.**

- |   |   |   |
|---|---|---|
| 6. Shri R. D. Kaka,<br>Lect. in Mech. Engg.<br>Deptt.   | — | Part-time Degree Course<br>Faculty of Tech. and<br>Engg. MSU, Baroda. |
| 7. Shri A. H. Gandhi,<br>Lect. in Mech. Engg.<br>Deptt. | — | Degree Course.  |

**The Statement showing the Staff-Student Ratio**

The total number of teachers including Teaching Assistants, Senior/Junior Instructors, Tutors, Honorary Research and Part-time Lecturers in the Faculties and Institutions of the University during the year under report was 1203 (including 170 teachers of Medical College) as against the total student enrolment of 20,525. This gives an overall teacher-student ratio 1.70. The corresponding strength of University teachers and staff-student ratio over the last five years is indicates below :

Year	No. of University teachers	Students enrolment	Staff-student Ratio
1979-80	1,046	18,972	1 : 18.8
1980-81	1,062	19,238	1 : 18.1
1981-82	1,199	24,341	1 : 20.3
1982-83	1,267	22,418	1 : 17.7
1983-84	1,203	20,600	1 : 17.1

## Appendix XVII

## Statement showing the staff student Ratio in different Faculties/Institutions.

Faculties/Institutions	No. of University Teachers	Student Enrolment	Staff student Ratio
1. Arts	104	1,728	1 : 16.6
2. Science	214	2,205	1 : 10.3
3. Education and Psychology	39	369	1 : 9.5
4. Commerce	64	5,584	1 : 87.3
5. Medicine	170	1,074	1 : 6.3
6. Technology and Engineering	294	3,052	1 : 10.4
7. Fine Arts	31	347	1 : 11.2
8. Home Science	61	727	1 : 10.9
9. Social Work	15	82	1 : 54.5
10. Law	17	1,605	1 : 94.4
11. Performing Arts	45	153	1 : 3.4
12. Baroda Sanskrit Mahavidyalaya	19	117	1 : 6.2
13. M. K. Amin Arts and Science College and College of Commerce, Padra	29	1,107	1 : 38.2
14. Polytechnic	93	2,375	1 : 25.5

## Appendix XVIII

## Statement showing the number of Non-Teaching Staff in various Faculties/Institutions

Faculty/Institutions	Class III	Class IV	Total
1. Faculty of Arts	13	25	38
2. Faculty of Science	118	79	197
3. Faculty of Education and Psychology	17	10	27
4. Faculty of Commerce	17	28	45
5. Faculty of Medicine	119	164	283
6. Faculty of Technology and Engineering	188	100	288
7. Faculty of Fine Arts	9	17	26
8. Faculty of Performing Arts	9	11	20
9. Faculty of Home Science	18	34	52
10. Faculty of Social Work	9	7	16
11. Faculty of Law	6	5	11
12. M. K. Amin Arts and Science and College of Commerce, Padra.	16	12	28
13. Baroda Sanskrit Mahavidyalaya	2	4	6
14. Polytechnic	71	64	135
15. University Office	112	31	143
<b>Grand Total</b>	<b>734</b>	<b>591</b>	<b>1,315</b>

## Appendix XIX

**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 daily average attendance over a period of last five years :

Year	Staff and their families	%	Number of Cases Students	%	Treated Total cases	Daily average attendance
1979-80	26,930	76.5	8,287	23.5	35,217	117.0
1980-81	27,938	80.2	6,879	19.8	34,817	117.0
1981-82	29,255	81.4	6,680	18.6	35,935	124.0
1982-83	29,175	83.01	5,970	16.99	35,145	121.0
1983-84	30,533	84.6	5,558	15.4	36,091	124.0

## Appendix XX

**CAPITAL ACCOUNTS**  
**I—University General Fund**  
 ( Subject to Audit )  
 ( 1983-84 )

	Rs. P.	Rs. P.
	Receipts	Payments
Opening Balance	12,91,192-53	Building Works
Interest	1,04,582-70	Closing Balance
<b>Total</b>	<b>13,95,775-23</b>	<b>Total</b>
		2,16,173-58
		11,79,601-65
		<b>13,95,775-32</b>

**II—Ayurvedic Research Fund**

( Subject to Audit )

( 1983-84 )

Receipts	Rs. P.	Payments	Rs. P.
Opening Balance	12,66,064-30	Amount transferred towards the excess recurring expenditure over the State Government Grant during the year	1,35,089-15
Interest		Closing Balance	12,56,668-25
<b>Total</b>	<b>13,91,757-40</b>	<b>Total</b>	<b>13,91,757-40</b>

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**III—Post-Graduate Instruction and Research Fund**

( Subject to Audit )

1983-84

Receipts	Rs. P.	Payments	Rs. P.
Opening Balance	61,95,457-20	( i ) Expenditure on Research Scheme (including Research Assistants)	1,74,778-76
Interest	5,72,998-47	( ii ) Two Post-Doctoral ( Fellowships @Rs. 600/- p.m. each and contingent grant @Rs. 2,000/- p.a. each	12,067-25
		( iii ) 9 Scholarships of Rs. 400/- p.m. and contingent grant of Rs. 1,000/- p.a. per Scholar	28,906-10
<b>Total</b>	<b>67,68,455-67</b>	Closing Balance	65,52,703-56
		<b>Total</b>	<b>67,68,455-67</b>

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## REVENUE ACCOUNT

(Subject to Audit)

1983-1984

Sr. No.	Particulars	Receipts		Sr. No.	Particulars	Disbursements	
		Rs.	P.			Rs.	P.
1		3		1		3	
I (A)	Grants from the State Government (1 and 2)	4,16,70,440	80	I	University General Administration	23,91,553	76
(1)	Block Grant from the State Government	3,28,28,000	00	II	Examination Charges	17,89,031	60
(2)	Additional Block Maintenance Grant from the State Government	88,42,440	80	III	Publications	89,419	36
(a)	Towards the expenditure on Development Plan Scheme which have completed five years stimulated period and hence become 100% liability of the State Government :			IV	Remuneration to Lecturers	2,270	00
(i)	Introduction of Degree course in Pharmacy (Faculty of Technology and Engineering) (From 1-7-1978 and onwards)			V	Travelling Allowance	1,83,434	30
(ii)	Special Assistance to Bio-Chemistry Department (Faculty of Science) 1st Phase (from 1-4-1979)	68,300	80	VI	Printing, Stationery and Postages	2,84,624	92
				VII	Interest on Balance of Funds not Invested due to Financial Stringency	9,13,374	05
				VIII	Maintenance of Buildings and Roads (including Residential Quarters and N.C.C. Buildings)	31,97,496	94
				IX	Maintenance of Gardens	3,47,262	90
				X	Games Sports and Students' Welfare and Other Activities	11,26,241	72
(iii)	(a) Expenditure on Vth Plan posts or various Faculties from 1-4-1981 and to 31-3-1982 (Excluding Faculty of Technology and Engineering as Scheme completes on 31-3-1984)			XI	Miscellaneous (A, B and C)	5,91,959	39
	(b) Vth Plan Posts for Faculty of Technology and Engineering (From 31-3-1983)			(A)	Memberships and Contribution	39,542	27
	(b) 100% Grant towards additional expenditure on increases in the rate of Dearness allowance, House Rent allowance, Compensatory Local allowance during the Currency of the triennium			(B)	Office Equipment	68,208	02
	(c) 3½% Wage Bill grant on the Wage Bill of preceding year on a commutative basis during each year of the triennium for annual increments etc.	30,00,000	00	(C)	Other Items	4,85,209	10
	(d) Additional Grants :			XII	Faculties and Institutions	4,56,52,223	80
	(i) For additional intake of 100 students in Extended Diploma courses in Civil, Mechanical and Electrical Engineering (Polytechnic)			(A)	FACULTIES :		
				(a)	Faculty of Arts	43,49,442	42
				(b)	Faculty of Science	92,82,662	36
				(c)	Faculty of Education and Psychology	23,17,643	34
				(d)	Faculty of Commerce	22,39,870	80
				(e)	(i) Faculty of Technology and Engineering	1,10,55,233	43
					(ii) Introduction of Degree Course in Pharmacy	5,39,388	39
					(iii) Part-time Degree course for Diploma Students in C.M.E.	3,31,434	18
					(f) Faculty of Law	4,72,010	96
					(g) Faculty of Fine Arts	16,75,078	61
					(h) Faculty of Home Science	25,69,235	51
					(i) Faculty of Social Work		

- (ii) For Five Semester Post-Higher Secondary (Std. XII) Science Stream Diploma in Civil, Mechanical and Electrical Engineering (Polytechnic)
- (iii) Towards the Expenditure on Encashment of Leave given to University Employees
- (iv) Towards works of ordinary Repairs to Buildings
- (v) Towards the approved works of special Repairs to University Buildings
- (vi) Towards expenditure on leave travel concession given to the University Employees
- (vii) Towards the Expenditure on Medical Allowance given to University Employees
- (viii) Towards Payment of Interim Relief and or arrears of revision of pay scales of the non-teaching staff on recommendation of the Third Pay Commission and approval of the State Government

## (B) INSTITUTIONS :

- (j) (i) Oriental Institute 4,27,880-07  
(ii) Vishnupurana Project 1,51,855-82
- (k) College of Indian Music, Dance and Dramatics 15,60,267-51
- (l) Sanskrit Mahavidyalaya 3,93,468-47
- (m) Shri M. K. Amin Arts and Science College and College of Commerce, Padra 10,16,006-06
- (n) (1) Polytechnic 51,48,171-10  
(2) Extended Diploma courses in Civil, Mechanical and Electrical Engineering 2,53,347-16  
(3) Additional intake of 100 students (Extended Diploma in Civil, Mechanical and Electrical Engineering 1,21,932-30  
(4) Five Semester Post-Higher Secondary (Std. XII) Science Stream Diploma courses in Civil, Mechanical and Electrical Engineering 6,78,123-05
- (o) Centre of Advanced Study in Education 2,79,272-48

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## (B) Grant from the University Grants Commission towards the Grants Commissions Unit in the University

- XIII (a) Smt. Hansa Mehta (University) Library 22,56,946-83  
(b) Sir Sayajirao Memorial Trust (University) Library 83,010-80

## II Fees from the Students (A + B + C)

1,15,21,000-52

## (A) Academic

- (1) Tuition Fees and Miscellaneous Income from Faculties and Institutions 92,08,326-54

## FACULTIES :

- (a) Faculty of Arts 6,92,644-50  
(b) Faculty of Science 12,02,701-72  
(c) Faculty of Education and Psychology 5,96,285-65  
(d) Faculty of Commerce 23,91,721-86  
(e) (i) Faculty of Technology and Engineering 16,33,237-29  
(ii) Introduction of Degree course in Pharmacy 57,735-00  
(iii) Part-time Degree course in Diploma Students in C.M.E. 1,75,526-30
- (f) Faculty of Law 5,95,897-75  
(g) Faculty of Fine Arts 1,21,698-45  
(h) Faculty of Home Science 4,25,617-76  
(i) Faculty of Social Work 1,46,982-76

- XIV University Guest House 74,165-57  
XV University Auxiliary Services 24,50,451-68  
XVI Halls of Resident for Students 25,24,479-39  
XVII Sheth U.P. Ayurvedic Research Unit 1,68,610-70

- XVIII Cost of Card Punching and Verification Stationery Computer time etc. for Computerization of University Pay Roll 25,682-29

- XIX Additional Furniture for different Faculties 7,506-00  
XX Pensions 1,81,184-10  
XXI School of Management Studies and Research (Preliminary Expenses) 529-70

- XXII Interim Relief and Expenditure on Revision and Pay Scales of Non-teaching Staff are likely recommendation of the third Pay Commission appointed by State Government —

- XXIII Expenditure Against the Insurance paid of Faculty and Institution 5,604-00

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## INSTITUTIONS :

(j)	College of Indian Music, Dance and Dramatics	1,20,894-35 716-00
(k)	Sanskrit Mahavidyalaya	
(l)	Shri M. K. Amin Arts and Science College and College of Commerce, Padra	4,48,909-00 3,57,299-99
(m)	(i) Polytechnic	
	(ii) Extended Diploma courses in Civil, Mechanical and Electrical Engineering	33,736-00
	(iii) Extended Diploma in Civil, Mechanical and Electrical Engineering courses (additional intake of 100 students)	32,689-00
	(iv) Five Semester Post-Higher Secondary (Std. XII) Science Stream Diploma courses in Civil, Mechanical and Electrical Engineering (Polytechnic)	1,18,758-16
(2)	<i>Fees for Enrolment etc. :</i>	
(a)	For Enrolment Certificate	51,680-00
(b)	For Post-graduate Registration	3,595-00
(B)	<b>Examination Fees</b>	<b>18,47,861-98</b>

## (C) Other Fees

III	Income from Halls of Residence for Students	4,64,812-00
IV	Income from Occupation of Buildings, Lands and Other Properties	9,66,901-75
V	Health Services—University Health Centre	6,28,089-03
VI	University Auxiliary Services (A+B+C)	5,385-60
	(a) Income from M. S. University of Baroda Press	19,46,185-05
	(b) Income from M. S. University Stationery Unit	10,41,981-71
	(c) Income from Publications	8,27,538-65
VII	Miscellaneous Receipts	76,665-29
		1,90,231-19
VIII	Sheth U.P. Ayurvedic Research Unit	1,68,610-70
	(1) State Government Grants	30,000-00
	(2) Income from Out-patient Ward	3,521-55
	(3) Excess Recurring Expenditure met from Ayurvedic Research Fund	1,35,089-15
IX	Refund of Insurance Premium on Insurance of Buildings, Equipments, Books etc.	97,263-00
	<b>Total</b>	<b>5,72,06,057-64</b>

Add: Excess of Disbursement over Receipts  
i.e. Deficit

71,41,010-16

Grand Total 6,43,47,067-80

Grand Total 6,43,47,067-80

## Grants for Development and Research Scheme 1983-84

Sr. No.	Name of Agency	Grants	
		Rs.	P.
1.	University Grants Commission	1,64,81,532	-58
2.	Ministry of Education, Government of India	8,80,503	-25
3.	Council of Scientific and Industrial Research	47,699	-30
4.	Indian Council of Social Science Research	29,367	-50
5.	Government of Gujarat ( Matching Grant )	1,63,000	-00
6.	Government of Gujarat ( Research and other Schemes )	29,37,749	-39
7.	Grant from Government of India	8,28,038	-00
8.	United States Departments of Agriculture ( AM-PL-480 Programmes )	75,000	-00
9.	Central Social Welfare Board	2,98,369	-45
10.	National Council of Educational Research and Training	76,754	-00
11.	Indian Council of Medical Research	2,17,600	-00
12.	Indian Council of Agriculture Research	1,19,800	-00
13.	Indian Council of Historical Research	19,175	-00
14.	Ministry of Health	2,05,400	-00
15.	Grant from Department of Electronics	5,00,000	-00
16.	Grant from Government of India, Deptt. of Atomic Energy	82,450	-00
17.	Grant from O.N.G.C.	4,60,000	-00
18.	Grant from I.S.R.O.	60,085	-00
19.	Grant from Ministry of Defence, Research and Develop- ment Organisation	25,000	-00
20.	U.S.A.I.D. Project	1,46,000	-00
21.	Other Bodies	1,59,268	-83
<b>Total</b>		<b>2,38,12,792</b>	<b>-30</b>

NOT TO BE ISSUED

REFERENCE COLLECTION

Smt. Hansa Mehta Library

BARODA

## ERRATA

Page No.	PARTICULARS	FOR	READ
1	2	3	4
—	Members of the A.R. Committee	Missing	Dr. (Mrs.) P. D. Desai, Development Officer-Member Secretary
—	Officers of the University Faculty of Technology and Engineering	Dr. Dipak Kumar De.	Prof. R. C. Patel
6	(B) Receipts during the year :	2. Donation for Poor Boys Fund from M. S. University in U.S.A.	2. Donation for Poor Boys Fund from M. S. University Alumni in U.S.A.
27	Chapter II S.R. No. 17	Dr. Raojibhai C. Patel	Dr. Raojibhai F. Patel
53	S.R. No. 16	Dr. (Mrs.) M. A. Paddy	Dr. (Mrs.) M. A. Padhya
62	S.R. No. 4	Ballet Dances of East	Ballet Dances of East
76	S.R. No. 22	Chavd V. K.	Chavada V. K.
97	S.R. No. 3	4th Para English Department First Line two sows	'two shows'
100	S.R. No. 4	Prakash L. J.	Parekh L. J.
120	S.R.No. 11 (ii) (i)	has been	'has been'
130	S.R. No. 23	Indian Science Congress	Indian Science Congress
214	S.R. No. 13 (i)	Tilaramanjari-kathoddhara	Tilaramanjari-kathoddhara
215	S.R. No. 5	Dr. P. N. Kawthkar Chirman	Dr. P. N. Kawthekar Chairman
	S.R. No. 6	Prof K. D. Bjpj	Prof K. D. Bajpai
227	S.R. No. 1	l. Ta..	1. Talks
234	S.R. No. 17 18	Bvri Kumarwada Cnter	Bavri Kumbharwad Center
237	3rd Para 2nd Line 3rd line 5th Para 7th line	Progammimg Colg exctation	Programming College Expectation
249	2. Union Activites (iii) 2nd Line	Cmptitions	Competitions
251	2nd Para 2nd line	atm..	atmosphere
App. Ia App. V	Faculty of Science Halls of Residence 1983-84	M.Sc. Applied (Geog) Dadabhai Navarji	M.Sc. Applied ( Geol. ) Dadabhai Navroji Hall
App.XV (A)	2 - Teacher appointed	Dr. R. S. Sa Reader in Cmestry	Dr. R. S. Shah Reader in Chemistry