

17

M S. University of Baroda

Seventeenth
Annual Report

1965-66

66

NOT TO BE ISSUED

REFERENCE COLLECTION
SMT. HANSA MEHTA LIBRARY
BARODA.

The Maharaja Sayajirao University
of Baroda



SEVENTEENTH ANNUAL REPORT

17

1965-66



BARODA

NOT TO BE ISSUED

REF. COLLECTION

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA
SEVENTEENTH ANNUAL REPORT, 1965-66
(1st April, 1965 to 31st March, 1966)



CONTENTS

CHAPTER NUMBER	SUBJECT	PAGES
	Introduction	1
I	General	4
II	Officers of the University	17
III	The Syndicate and the Senate	19
IV	Other Authorities of the University	22
V	Other Boards and Committees	28
VI	Research Work in the University	35
VII	Lectures and Deputations	46
VIII	Faculty of Arts	63
IX	Faculty of Science	71
X	Faculty of Education and Psychology	79
	(A) University Experimental School, Baroda	88
XI	Faculty of Commerce	91
XII	Faculty of Medicine	94
	(A) Medical College	98
	(B) Sheth Ujamshi Pitamberdas Ayurvedic Research Unit	100
XIII	Faculty of Technology and Engineering	106
XIV	Faculty of Fine Arts	111
XV	Faculty of Home Science	116
XVI	Faculty of Social Work	122
XVII	Faculty of Law	124
XVIII	Oriental Institute... ..	132
XIX	College of Indian Music, Dance and Dramatics	135
XX	Baroda Sanskrit Mahavidyalaya	139
XXI	Preparatory Unit—Arts and Commerce	140
XXII	Preparatory Unit—Science	140

XXIII	Shri M. K. Amin Arts College and College of Commerce, Padra	142
XXIV	Polytechnic	144
✓XXV	Shrimati Hansa Mehta Library	148
XXVI	The M. S. University of Baroda Press	152
XXVII	The Maharaja Sayajirao University Union	155
XXVIII	General Education Department	158
XXIX	Students' Welfare Activities	163
Appendices		
I	Number of University students	173
IA	Number of non-University students	174
II	Number of Teachers	175
III	Results of University Examination held in March/April 1965	176
IIIA	Results of University Examination held in October/November 1965	181
IV	Capital Accounts	185
V	Revenue Accounts	187
VI	Grants on Development and Research Schemes 1965-66	191



His Highness the Maharaja Sir Sayajirao Gaekwad of Baroda

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA



SEVENTEENTH ANNUAL REPORT, 1965-66

INTRODUCTION

The idea of establishing a University at Baroda started engaging the attention of the former Government of Baroda State in the year 1909. Some schemes for the establishment of the University were framed but none of them materialised. The Baroda University Commission of 1925 made out a strong case for the immediate establishment of a Unitary Residential University at Baroda having the Faculties of Arts, Science, Technology and Agriculture, Economics, Commerce and Administration. Besides the faculties, the University was to have the Institute for Oriental Studies, the Institute for Gujarati Studies, the School of Fine Arts, the School of Nursing and the School of Domestic Science. Provision was also to be made for extension programmes, the library movement as a University extension movement and compulsory medical examination. Although circumstances at that time were not favourable to the establishment of a separate University, the idea was not given up. The following institutions for higher education were established in Baroda during the two decades that followed :

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

In 1947, His Highness Maharaja Sir Pratapsinh Gaekwad revived the idea of the University and appointed a Committee to consider the question of the early establishment of the University. The Committee submitted its report to the Government of Baroda towards the end of the year 1948 and recommended the establishment of a primarily teaching and residential University with power to affiliate mofussil colleges. It favoured the tutorial system of instruction. All the existing institutions of higher education including the Central Library, the

Oriental Institute and the Kalabhavan were to be taken over by the University. The Committee also recommended that the Government should give a block grant of Rs. 25 lakhs annually to the University for the first five years.

The Government of Baroda in their Order No. (R) 169-39 dated the 21st February, 1949, decided to establish a residential University for Baroda and to affiliate to it the Colleges at Visnagar, Petlad and Navsari which were situated in the State of Baroda. Due to the subsequent merger of the Baroda State with the State of Bombay, the jurisdiction of the University was restricted to the area within a radius of ten miles from the University Office. The University started working on the 30th April, 1949 with the following institutions:

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

By June 1950, the institutions taken over were re-organised into the six Faculties of Arts, Science, Education and Psychology, Medicine, Commerce, Technology and Engineering. The First Year and the Intermediate classes in Arts and Commerce were organised into a separate institution called the Intermediate College. Three new Faculties of Fine Arts, Home Science and Social Work were also started from June 1950. The management of the Baroda Sanskrit Mahavidyalaya and the Gujarati Section of the old Baroda High School were taken over by the University from the then Government of Bombay in 1951. To start with, the University followed the Bombay University courses and the standards of admissions, examinations, etc. The first examinations of the University were held in March-April, 1951.

Since then the Faculties have made considerable progress. The courses have been thoroughly revised, special emphasis being laid on tutorials and home assignments consistent with the special requirements of a teaching University. At the same time proper arrangements were made for the starting of new departments and courses, provision of adequate staff, improvement of old buildings

and provision for new buildings and the sanctioning of necessary grants for library, equipment and contingent expenditure.

The Polytechnic was started in the year 1957-58 to conduct diploma courses in Civil, Electrical and Mechanical Engineering. The Intermediate College was discontinued from the year 1958-59 and instead, the Preparatory Unit conducting Preparatory Courses in Arts, Science and Commerce was started. The Preparatory Unit conducting Preparatory Course in Science was separated due to the increase in intake of students in the year 1965-66. The Faculty of Law was started in the year 1961-62. A new College—Shri Manibhai Kashibhai Amin Arts College and College of Commerce was started at Padra during the year under report.

The development activities during the preceding years are described in the sixteen Annual Reports that have been published so far. This Seventeenth Annual Report covers the period from the 1st April, 1965 to the 31st March, 1966 and is submitted to the Senate in accordance with Section 24(2) of the Maharaja Sayajirao University of Baroda Act as amended up-to-date.

CHAPTER I—GENERAL

1. Institutions in the University

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

1. Faculty of Arts, 2. Faculty of Science, 3. Faculty of Education & Psychology, 4. Faculty of Commerce, 5. Faculty of Medicine, 6. Faculty of Technology and Engineering, 7. Faculty of Fine Arts, 8. Faculty of Home Science, 9. Faculty of Social Work, 10. Faculty of Law, 11. Oriental Institute, 12. College of Indian Music, Dance and Dramatics, 13. Baroda Sanskrit Mahavidyalaya, 14. Preparatory Unit, Arts and Commerce, 15. Preparatory Unit, Science, 16. Shri M. K. Amin Arts College and College of Commerce (Padra), 17. Polytechnic, 18. Museum and Picture Gallery.

2. Number of Students

The number of University students during the year was 11629 (9104 men students and 2525 women students) and that of non-University students was 1423 (920 men students and 503 women students). The details of the students are given in appendices I and I A.

3. Special Features of the year

(1) Convocation :

(i) The Fifteenth Annual Convocation was held on 27th November, 1965. Professor M. S. Thacker, Member, Planning Commission, delivered the Convocation Address. The Chancellor presided.

(ii) The Sixth Supplementary Convocation was held on 27th March, 1966. The Vice-Chancellor presided.

The following degrees and diplomas were conferred during the Convocations :

Sr. No.	Degree/Diploma	Annual Convocation Nov., 1965	Supplemen- tary Convo- cation March, 1966	Total
1.	Ph.D. (Arts)	8	2	10
2.	Ph.D. (Science)	2	6	8
3.	Ph.D. (Education & Psychology)	2	2	4
4.	M.D.	2	5	7
5.	M.S.	2	5	7
6.	M.A.	84	1	85
7.	Acharya	6	—	6
8.	B.A.	238	57	295



Professor M. S. Thacker delivering the Convocation Address

<i>Sr. No.</i>	<i>Degree/Diploma</i>	<i>Annual Convocation Nov., 1965</i>	<i>Supplemen- tary Convo- cation March, 1966</i>	<i>Total</i>
9.	Shastri	2	—	2
10.	Diploma in Library Science	12	—	12
11.	M.Sc.	120	—	120
12.	B.Sc.	122	29	151
13.	M.Ed. (By thesis)	1	—	1
14.	M.Ed. (By papers)	2	—	2
15.	B.Ed.	52	—	52
16.	Diploma in Guidance & Counselling	3	—	3
17.	M.Com.	22	—	22
18.	B.Com.	269	79	348
19.	Diploma in Banking	18	—	18
20.	Diploma in Co-operation	1	—	1
21.	M.Sc. (in Medical subjects)	1	2	3
22.	M.B.B.S.	27	36	63
23.	D.O.	2	1	3
24.	D.A.	—	2	2
25.	D.L. & O.	5	4	9
26.	T.D.D.	1	—	1
27.	D.Ped.	—	3	3
28.	D.V. & D.	—	2	2
29.	D.C.P.	4	—	4
30.	D.M.R. & E.	—	2	2
31.	D.G.O.	3	6	9
32.	M.E.	1	43	44
33.	B.E.	312	31	343
34.	B.Text. (Engineering)	16	2	18
35.	B.Text. (Technology)	7	—	7
36.	B.Arch.	181	4	185
37.	LL.B.	59	33	92
38.	D.T.P.	20	—	20
39.	D.L.P.	58	—	58
40.	M.A. (Fine)	2	—	2
41.	M.Mus.	2	—	2
42.	B.A. (Fine)	11	—	11
43.	B.Mus.	7	—	7
44.	Diploma in Museology	8	—	8
45.	M.Sc. (Home)	25	10	35
46.	B.Sc. (Home)	101	11	112
47.	Diploma in Nursery School Education	1	—	1
48.	M.S.W.	19	10	29
	Total:	1841	388	2229

(2) New Courses :

The following new courses were started during the year :

- (i) Ph.D. in Painting,
- (ii) Post M.Sc. course in Applied Geology,
- (iii) M.D. in Paediatrics,
- (iv) Master of Urban Design (Architecture),
- (v) M.E. in Electrical Power Systems and Public Health Engineering,
- (vi) Post-graduate Diploma Course in Refrigeration and Air-conditioning,
- (vii) B.E. (Electronics).

(3) New Colleges :

(i) The University started a new constituent College—Shri M. K. Amin Arts College and College of Commerce at Padra from July, 1965. The Preparatory Courses in Arts and Commerce were started this year.

(ii) The Preparatory Unit for Arts, Science and Commerce was re-organised in two Units viz. Preparatory Unit for Arts and Commerce and Preparatory Unit for Science from 1st May, 1965.

(4) New Buildings :

(i) The new building for the Geology Department was inaugurated by the late Shri Balwantrao Mehta, Chief Minister of the Gujarat State on 20th July, 1965.

(ii) The new building for the Centre of Advanced Study in Education was completed and occupied by the Centre during the year.

(iii) The construction work of Shrimati Kasturba Hall of Residence for Women Students has been completed and is ready for occupation from June, 1966.

(iii) The extension work of Shri Vishvesaraiya Hall has been completed and is ready for occupation from June, 1966.

(5) Seminars, Summer Schools, etc.

The following Seminars and Schools were organised during the year under the joint auspices of the University Grants Commission and the University:

- (i) Summer Institute in Mathematics for School Teachers—Director, Professor U. N. Singh
- (ii) Seminar on English Language Teaching at College Classes—Director, Professor V. Y. Kantak
- (iii) Seminar on 'Scope and Method of Development Planning'—Director, Dr. D. K. Shukla

- (iv) Winter School in Architecture and Town Planning—Director, Professor M. B. Achwal
- (v) Summer School in Production Engineering—Director, Professor L.B. Shah
- (vi) Summer School in Servo-mechanism and Automatic Control Engineering—Director, Professor S. M. Sen
- (6) Visitors:

The following distinguished persons visited the University and its Institutions:

- (i) Dr. Mary Frances Reed, Professor, Home Economics, Northern Illinois University 29-5-1965
- (ii) Mr. H. R. Ambler, British High Commission, New Delhi 3-9-1965
- (iii) Dr. W. N. Brown, Education Officer, British Council, Bombay 24-9-1965
- (iv) Major General Virendra Singhji, Director General of NCC. 4-11-1965
- (v) Professor J. Crofton, Dean, Faculty of Medicine, Edinburgh University 12-11-1965
- (vi) Dr. A. G. Nelson, Professor of Guidance, Cornell University, Ithaca U.S.A. 18, 19, 20 December 1965
- (vii) Sir Christopher Cox, Educational Adviser, U.K. 20, 21 December, 1965
- (viii) Professor N. Norman Brown, University of Pennsylvania, 1-2-1966
- (ix) Professor D. R. Gadgil, Professor of Economics, Gokhale Institute of Politics & Economics, Poona 12-2-1966
- (x) Mr. Peter Hodge, Teacher in the Department of Social Administrative in London School of Economics, Poona 16-2-1966
- (xi) Professor George Vallin, Professor of Sanskrit and Indian Philosophy and Head of the Institution of Indian Civilization in University Nancy, France. 8-3-1966

4. Teaching Staff

(1) The following appointments were made during the year on vacant or new posts :

FACULTY OF ARTS

Professors : Dr. S. C. Misra (History) and Dr. R. N. Mehta (Archaeology and Ancient History).

Reader : Dr. A. C. Patel (Environmental Archaeology)
Lecturers : Shrimati Madhavi G. Majmundar (Economics), Shri B. B. Patel
(Economics) and Shri D. Srinivasan (German)

FACULTY OF SCIENCE

Reader : Shri M. K. Murty (Geology)
Lecturer : Shri S. V. Gadre (Microbiology)

FACULTY OF EDUCATION AND PSYCHOLOGY

Readers : Shrimati M. M. Amin (Language Learning) and Dr. S. Bhatta-
charya (Psychometrics)

FACULTY OF COMMERCE

Reader : Shri D. J. Mehta (Business Management)

FACULTY OF TECHNOLOGY AND ENGINEERING

Lecturers : Shri K. K. Vithani (Chemical Engineering), Shri M. A. Mehta
(Applied Mechanics), Shri C. D. Desai (Civil Engineering), Shri
P. L. Teredesai (Industrial Organisation) and Shri V. S. Parmar
(Architecture).

FACULTY OF FINE ARTS

Reader : Shri R. A. Parimoo (Art History)
Lecturers : Shri V. C. Shah (Painting), Shri R. R. Panchal (Bronze Casting)

FACULTY OF HOME SCIENCE

Reader : Dr. (Smt.) Pramila Phatak (Child Development).
Lecturers : Kumari Revathy Pillai (Child Development) and Kumari Malati
Chakravarty (Education and Extension).

(2) The following teachers left the University during the year:

FACULTY OF ARTS

Professors : Professor C. P. Singh (Hindi) and Professor A. H. Somjee
(Political Science)
Lecturers : Kumari J. J. Modi (Economics), Kumari Y. S. Sabnis (Economics)
Shrimati Geeta Somjee (Political Science), Shri I. P. Desai
(Political Science), Shri M. M. Shah (History) and Dr. T. N.
Valunjkar (Sociology)

FACULTY OF SCIENCE

Lecturer : Shri K. R. Dixit (Geography)

FACULTY OF EDUCATION AND PSYCHOLOGY

Lecturer : Shri N. C. Dnagat (Education)

FACULTY OF COMMERCE

Professor : Shri B. G. Shah (Banking)
Lecturer : Dr. H. B. Desai (Commerce)

FACULTY OF TECHNOLOGY AND ENGINEERING

Lecturers : Shri P. N. Mane (Civil Engineering) and Shri S. V. Deshpande
(Architecture)

FACULTY OF FINE ARTS

Professor : Shri C. K. Gairola (Art History)
Reader : Shri B. N. Pancholi (Applied Arts)

FACULTY OF HOME SCIENCE

Reader : Dr. (Kumari) P. Pasricha (Child Development)
Lecturers : Kumari Freny Debu (Child Development), Kumari Mary
Wellington (Child Development), Shrimati Heera Singh (Child
Development), Kumari Amarjit Narule (Child Development),
Shrimati Kalindi S. Nanavati (Foods & Nutrition), Shri M. D.
Patel (Mathematics) and Kumari Minaxi Dighe (Clothing and
Textiles)

FACULTY OF SOCIAL WORK

Professor : Smt. Indra S. Tayal (Social Work)

(3) The total number of teaching staff consisted of 40 Professors, 97
Readers, 293 Lecturers, 256 Instructors, Assistant Lecturers, Tutors and Demon-
strators and 27 Honorary, Part-time and others, the total being 713.
(Appendix II).

5. Facilities to the Teaching Staff for further studies abroad.

(1) The following teachers who were granted facilities in previous years
for further studies abroad returned to the University.

Sr. No.	Name of the Teacher	Qualifications or experience acquired
1	Dr. S. C. Malik, Reader in Anthropology	Completed Higher Studies in Anthropology at the Chicago University, U.S.A.
2	Shri K. S. Desai, Reader in Political Science	Participated in the International Education Exchange Programme of U.S.A.
3	Shri A. G. Phatak, Lecturer in Statistics	Completed specialised training in Statistics in France under French Government Scholar- ship.
4	Shri T. P. Lele, Reader in Education	Teaching experience at the University of Michigan, U.S.A.

Sr. No.	Name of the Teacher	Qualifications or experience acquired
5	Smt. M. M. Amin, Lecturer in Education	Knowledge of Audio Visual Education in U.S.A.
6	Shri P. K. Dongre, Lecturer in Educational Administration	Higher Training and Studies in Educational Administration in Goethe University, Frankfurt (Germany).
7	Professor (Kumari) Justina A. Singh, Professor of Clothing and Textiles	Ph.D. in Clothing and Textiles, University of Pennsylvania, U.S.A.
8	Kumari Malati Chakravarti, Lecturer in Home Science Education and Extension	M.Sc. in Home Science Education and Extension, Iowa State University, U.S.A.
9	Shri Ushakant R. Gore, Lecturer in Foods and Nutrition	Completed the Special Study Programme in Foods and Nutrition in U.S.A.
10	Smt. Leela Gulati, Lecturer in Home Management	M. S. in Home Management, Iowa State University, U.S.A.
11	Kumari Revathy Pillai, Lecturer in Child Development	M. S. in Child Development and Family Relationships, Pennsylvania State University, U.S.A.
12	Shri B. C. Barbhaiyya, Lecturer in Arts and Crafts	Completed Study Programme in Arts and Crafts in U.S.A.

(2) The following members of the staff were granted facilities during the year for higher studies, research, visit etc. abroad.

Sr. No.	Name and Designation	Purpose
1	Professor I. S. Gulati, Professor of Economics	Permitted him to accept the United Nations Assignment as Regional Economic Adviser in the Caribbean.
2	Dr. K. T. M. Hegde, Lecturer in Archaeological Chemistry	Higher studies in Geo-chronology at the University of Arizona, U.S.A. under Fulbright Scholarships.
3	Shri J. D. Birjepatil, Lecturer in English	Ph.D. in English at the Bristol University, U.K.

Sr. No.	Name of the Teacher	Qualifications or experience acquired
4	Shri P. G. Patel, Lecturer in English	Study of English Language at the University of Nevada, U.S.A.
5	Dr. M. G. Krishnamurthy, Lecturer in English	Teaching Kannada at the Wisconsin University, U.S.A.
6	Professor J. S. Dave, Reader in Chemistry	Research Work on Liquid Crystals at the University of Texas, U.S.A.
7	Shri S. K. Shah, Lecturer in Physics	Post-doctoral Research Work at Ohio, U.S.A.
8	Kum. Vimala S. Rajan, Lecturer in Geography	Higher Studies in Geography under French Government scholarship.
9	Smt. D. V. Shah, Lecturer in Biochemistry	Research Work at the University of Illinois, U.S.A.
10	Shri V. K. Shah, Lecturer in Microbiology	Research Work at the University of Oklahoma, U.S.A.
11	Shri G. T. Malpathak, Lecturer in Geology	Training in ground water Geology under the Cultural exchange programme between India and U.S.S.R.
12	Professor M. S. Patel, Professor of Education	Permitted to accept Visiting Professorship at the School of Education, University of Michigan, U.S.A.
13	Dr. A. S. Patel, Professor of Educational Psychology	Study and visit to the Centre of Advanced Study in Education at the Bristol University and other places in U.K.
14	Shri P. V. Parikh, Reader in Applied Mechanics	Studies leading to M.Sc. in Soil Mechanics under the Commonwealth Scholarship Plan with the permission to extend the leave for completing Ph.D. course, at Worthington, Manchester U.K.
15	Shri N. J. Dave, Reader in Applied Mechanics	Studies leading to Ph.D. at the University of Leeds, U.K. under the award of UNESCO Fellowship.
16	Shri S. K. Damle, Reader in Applied Mechanics	Doctoral studies in Civil Engineering at the University of Colorado, U.S.A.
17	Shri R. M. Dave, Reader in Civil Engineering	Higher studies leading to Ph.D. in Hydraulics at the University of Wisconsin, U.S.A. under the Fellowship awarded by the UNESCO, PARIS

<i>Sr. No.</i>	<i>Name of the Teacher</i>	<i>Qualifications or experience acquired</i>
18	Shri B. N. Chaulkar, Lecturer in Textile Chemistry.	Studies leading to Ph.D. in clothing and Textiles in U.S.A. under the Ford Foundation Programme in the Faculty of Home Science, Wisconsin, U.S.A.
19	Shri A. S. Fadke, Lecturer in Mechanical Engineering	Studies leading to Ph.D. in Moscow, U.S.S.R.
20	Shri R. C. Desai, Senior Instructor in Applied Mechanics	Practical training in Civil Engg. in West Germany (Kochel Am See)
21	Shri J. M. Bhatt, Lecturer in Painting	Advanced studies in Painting in U.S.A.
22	Kum. Asha Joshi, Lecturer in Child Development	Ph.D. in Child Development at the University of Iowa, U.S.A.
23	Smt. Arvinda Chandra, Lecturer in Home Science Education and Extension	Post-graduate Studies for the M.S. degree at the University of Iowa, U.S.A.
24	Shri S. A. Yaleja, Lecturer in Social Work	Ph.D. at the University of Pennsylvania, U.S.A.

6. University Examination Results.

24 candidates were declared qualified for the award of the Ph.D. degree of this University in the year 1965-66 as detailed below :—

	<i>Name of the candidate</i>	<i>Subject</i>	<i>Title of the Thesis</i>
1	Shri K. T. M. Hegde	Archaeology	Technical Studies in Chalcolithic Period Copper Metallurgy.
2	R. N. Pandya	Gujarati	Kalidasa in Gujarati
3	Shri D. D. Jadeja	Gujarati	The Reflection of National Consciousness in Modern Gujarati Poetry: 1845 A.D. to 1947 A.D.
4	Shri H. M. Trivedi	Gujarati	Professor B. K. Thakore—His Life and Works.
5	Shri R. G. Gupta	Hindi	Hindi Sahitya Ko Gujarata Ke Sant Kavioki Den.
6	Shri N. J. Shah	Philosophy	Suddhadvaita Interpretation of Bhagvad Gita.

	<i>Name of the candidate</i>	<i>Subject</i>	<i>Title of the Thesis</i>
7	Shri R. H. Gandhi	Sanskrit	Shri Gokulnathaji's contribution to Suddhadvaita Vedanta.
8	Shri B. N. Bhatt	Sanskrit	Srikanthacaritam—A Study—A Sanskrit Classical Poem.
9	Shri Abraham Antony	Bio-Chemistry	Studies on Nutritional and Metabolic characteristics of Excised Roots of Trigonella Foenum Graecum.
10	Shri K. C. Patil	Bio-Chemistry	Metabolism of Aspargillus higher during Cultivation on Tartaric Acid.
11	Shri L. J. Parekh	Bio-Chemistry	Studies on the Nutritional and Metabolic Characteristics of Excised Roots of Phaseolus Nungo 4.
12	Shri P. M. Desai	Chemistry	Chelating-N-Ligands derived from Acetoacet (Aryl) Amides and their complexes with Transition Metal Ions.
13	Shri R. H. Mehta	Chemistry	Studies in Coumarins.
14	Shri T. J. Patel	Chemistry	N. Ligands derived from Aceto and Cyano-Acet (Aryl) Amides and their complexes with Transition Metalions.
15	Shri B. S. Yadav	Mathematics	Absolute Convergence of Fourier Series.
16	Shri A. K. Menon	Physics	Luminescent Centres and Trapping Sites in Kc 1
17	Shri Syed Ziaur Rehman Hashni	Physics	Study of Semi-conducting Crystals for charged Particle Detection.
18	Shri B. S. Shah	Physics	Study of Metal Crystals—Bismuth
19	Kumari N. J. Chinoy	Zoology	Studies on some aspects of the Structure and Physiology of the Vertebrate Skeletal Muscle
20	Shri P. M. Ambadkar	Zoology	A Histo-Physiological study on the tests and epididymis of some vertebrates.

	<i>Name of the Candidate</i>	<i>Subject</i>	<i>Title of the Thesis</i>
21	Shri A. K. Trivedi	Education	A Critical enquiry into the Secondary School Inspection system in India.
22	Shri R. T. Deopurkar	Education	The evolution of the Philosophy of Education in Modern India.
23	Shri J. M. Ojha	Psychology	Revision of Differential Aptitude Tests for Higher Secondary Schools
24	Shri M. N. Palsane	Psychology	Standardisation of Personality Inventory.

The two statements showing the results of (i) March, April-May-June, 1965 and (ii) October-November-December, 1965 examinations are given in appendices III and IIIA.

7. Finances of the University

(1) Endowments received during the year:

The Syndicate accepted the following donations:

(a) Shri Gunvantrai Girdharrai Majmudar Gold Medal Fund:

Donation of Rs. 3,500 in the form of 35 Second Preference Shares of M/s. Tata Iron & Steel Co. Ltd. from Shri Narendra G. Majmudar for the institution of Gold Medal to be awarded annually at the Convocation to the candidate securing at least second class at the first attempt and obtaining the highest marks in Hindu Law and Mohomedan Law in the Final LL.B. Examination held by the M.S. University of Baroda in March/April.

(b) Shri Valjibhai Scholarship & Smt. Kunverba Scholarship Fund:

Donation of Rs. 8,000 from Shri Dahyabhai Valjibhai Patel, NDOLA Zambia—C. Africa for awarding two scholarships (1) in the name of his father Valjibhai Scholarship to a male student and (2) in the name of his mother Kunverba Scholarship to a female student, for passing at the first attempt in Preparatory Science Examination held by the M.S. University of Baroda in March/April and continuing their studies further in F.Y.B.Sc. class in the Faculty of Science, M.S. University of Baroda. The candidates who have obtained the highest number of marks at the Preparatory Science Examination will be considered eligible.

(c) Shri Ganesh Shridhar Apte Memorial Prize Fund:

Donation of Rs. 3,000 from Shri K. G. Apte for awarding a cash prize to the student who gets the highest percentage of marks in the first class in Mathematics at the first attempt in the final B.Sc. Examination held by the M.S.

University of Baroda in March/April provided the student continues his studies further in M.Sc. with Mathematics in the M.S. University of Baroda.

(b) Professor P. V. Gharpure Gold Medal & Scholarship Fund:

Donation of Rs. 6,000 from the Secretary, Professor Gharpure Gold Medal Fund Collection Committee, Medical College, Baroda for awarding (1) a Gold Medal at the Annual Day Function of the College to the candidate standing second in the subject of Pathology at the first attempt in the IInd M.B.B.S. Examination of the Medical College, Baroda held during the academic year (June to April), considering the results of both April and October Examinations, and (2) a scholarship in two equal instalments at the end of each term to the candidate standing third in the subject of Pathology at the first attempt at the IInd M.B.B.S. Examination of the Medical College, Baroda held during the academic year (June to April) considering the results of both April and October examinations.

(c) Dr. Yadukant Bajubhai Dixit Memorial Prize Fund:

Donation of Rs. 1,500 from Shri R. B. Dixit for awarding a prize in cash to the student of the regular batch, obtaining the highest number of marks in the subject of Physiology, at the first attempt in Ist M.B.B.S. Examination of the Medical College, Baroda.

(f) Alembic Gold Medal Fund:

Donation of Rs. 5,000 (45 Equity Shares of Jyoti Limited, Baroda) from Alembic Chemical Works Co. Ltd., Baroda for the institution of a Gold Medal to be awarded at the Annual Convocation to the student of the Baroda Sanskrit Mahavidyalaya who stands first with at least first class in any branch at the first attempt at the final year Shastri Examination held by the M.S. University of Baroda.

(2) Capital Accounts:

Statements showing the income and expenditure of the (i) University General Fund, (ii) Ayurvedic Research Fund (Sheth U.P. Ayurvedic Research Unit) and (iii) Post-Graduate Instruction and Research Fund during the period from 1st April, 1965 to 31st March, 1966 are given in Appendix IV.

(3) Revenue Accounts:

The receipts and disbursements during the year 1965-66 are Rs. 88,98,266-03 and Rs. 91,36,239-92 respectively leaving a deficit of Rs. 2,37,973-89. Details of the accounts are given in Appendix V.

(4) Grants:

The University received grants totalling Rs. 44,05,531=70 on the development schemes from the University Grants Commission and the Government

of Gujarat, and on various research schemes, studies and projects from the Planning Commission, Union Ministries, State Government Departments, Council of Scientific and Industrial Research and other bodies. The details are given in Appendix VI.

8. Construction Division.

(1) Capital works :

The Division supervised the construction works of various buildings, extensions, additions, alterations, etc. and an amount of Rs. 25,66,851-96 was spent during the year on capital works.

(2) Ordinary and Special Repairs :

The total expenditure on repair works during the year was Rs. 1,04,000-24 and Rs. 1,25,621-98 in Ordinary and Special Repairs respectively. Also an expenditure amounting to Rs. 4,892-57 was incurred on immediate petty repairs to buildings.

CHAPTER II—OFFICERS OF THE UNIVERSITY

1. Officers

(1) The Chancellor :

His Highness Maharaja Fatehsinhrao Gaekwad, Maharaja of Baroda is the Chancellor of this University.

(2) The Vice-Chancellor :

Dr. C. S. Patel, B.A., M.Sc. (Bom.), Ph.D. (Leeds) continued to work as Honorary Vice-Chancellor under Statute 115 during the year.

(3) The Pro-Vice-Chancellor :

Professor P. J. Madan, B.Sc. (Eng.) (Edin.), M.Sc. (Eng.), D.I.C., M.Inst. H.E. (London), M.I.E. (India), continued to work as the Pro-Vice-Chancellor under Statute 120 during the year.

On an invitation from the Union Ministry of Education, he joined the two member delegation for a period of 5 weeks in April-May, 1965 to Hungary to study the system of technical education in that country and to discuss the lines on which the two countries can co-operate and collaborate in the development of technical education and training in India. The delegation also visited the Federal Republic of Germany for about two weeks on an invitation from the German Academic Exchange Service.

(4) Deans of Faculties :

The following Officers worked as Deans of the various Faculties :—

Faculty	Dean
Arts	Professor V. Y. Kantak
Science	Professor S. M. Sethna
Education and Psychology	Professor M. S. Patel (Upto 8-8-1965) Professor L. J. Bhatt (from 9-8-1965)
Commerce	Dr. K. N. Naik
Medicine (Faculty) (College)	Dr. T. V. Patel Dr. A. D. Joseph
Technology and Engineering	Professor L. B. Shah
Fine Arts	Professor N. S. Bendre
Home Science	Professor (Smt.) Amita Verma
Social Work	Professor G. G. Dadlani
Law	Professor H. C. Dholakia

(5) The Registrar:

Shri B. K. Zutshi continued to work as the Registrar.

(6) *The Librarian:*

Dr. C. P. Shukla (Upto 26-8-1965)

Shri H. C. Mehta as Officiating Librarian (from 27-8-1965)

(7) *Other Officers:*

	<i>Name</i>	<i>Designation</i>
(i)	Professor B. J. Sandesara	Director, Oriental Institute
(ii)	Professor R. C. Mehta	Principal, College of Indian Music, Dance and Dramatics
(iii)	Shri H. C. Mehta	Principal, Sanskrit Mahavidyalaya
(iv)	Professor C. H. Khadilkar	Principal, Polytechnic
(v)	Shri K. S. Yajnik	Head, Preparatory Unit for Arts and Commerce
(vi)	Shri C. J. Shah	Head, Preparatory Unit for Science
(vii)	Shri I. A. Dave	Head, Shri M. K. Amin Arts College and College of Commerce, Padra
(viii)	Shri A. J. Desai	Principal, University Experimental School

CHAPTER III—THE SYNDICATE AND THE SENATE

1. *The Syndicate*

The Syndicate consisted of 15 members. During the year the Syndicate held 10 meetings in which they considered and passed resolutions on 806 items. The following statement shows the attendance of the members at the Ordinary and Special meetings of the Syndicate during the year:

<i>Name</i>	<i>No. of meetings held</i>	<i>Class of meetings O-ordinary S-Special</i>	<i>Present</i>	<i>Absent</i>	<i>Remarks</i>
Dr. C. S. Patel, Vice-Chancellor	10	O.2 S.8	O.2 S.8	—	
Professor P. J. Madan, Pro-Vice-Chancellor	10	O.2 S.8	O.2 S.6	—	
Director of Education or his nominee	10	O.2 S.8	O.1 S.8	O.1 —	
Dr. B. B. Yodh	10	O.2 S.8	— S.5	O.2 S.3	
Shri J. S. Parikh	10	O.2 S.8	O.2 S.8	—	
Shri D. M. Parikh	10	O.2 S.8	O.2 S.8	—	
Shrimati Ansuya I, Amin	10	O.2 S.8	O.1 S.4	O.1 S.4	
Shri Chandrakant C. Mehta	10	O.2 S.8	O.1 S.8	O.1 —	
Shri N. D. Chokshi	10	O.2 S.8	O.2 S.6	—	
Shri P. C. Hathi	10	O.2 S.8	O.1 S.7	O.1 S.1	
Professor N. S. Bendre	10	O.2 S.8	O.1 S.8	O.1 —	
Professor M. S. Patel	10	O.2 S.8	— S.3	O.2 S.5	
Professor B. J. Sandesara	10	O.2 S.8	O.2 S.7	—	
Dr. T. V. Patel	10	O.2 S.8	O.2 S.8	—	
Professor S. M. Sethna	10	O.2 S.8	O.2 S.8	—	

2. The Senate

The Senate consisted of 94 members in the beginning. Shri C. J. Shah, Head, Preparatory Unit for Science has become an ex-officio member of the Senate. The number has now become 95. The changes in the membership during the year were as under :

- (i) The following persons ceased to be members of the Senate :
- Shri M. C. Desai, Shri B. L. Mankad, Shri G. G. Dhanak, Dr. Jivraj N. Mehta, Shri A. C. Mukerji and Hon'ble Chief Justice Shri J. M. Shelat.
- (ii) The following persons became members of the Senate:
- Shri R. L. Pathak, Dr. D. M. Desai, Shri C. J. Shah, Shri V. L. Devkar, Shri J. P. Naegamwala, Shri Maganbhai Shankerbhai Patel, Shri Hari Sinha and Hon'ble Chief Justice N. M. Miabhoy.

The Senate met twice during the year on 28th November, 1965 and 27th March, 1966. 52 members attended the meeting held on 28th November, 1965 and 52 members on 27th March, 1966.

First meeting (28th November, 1965):

The following business was transacted :

(i) The following fellows were assigned to the Faculties as mentioned against their names:

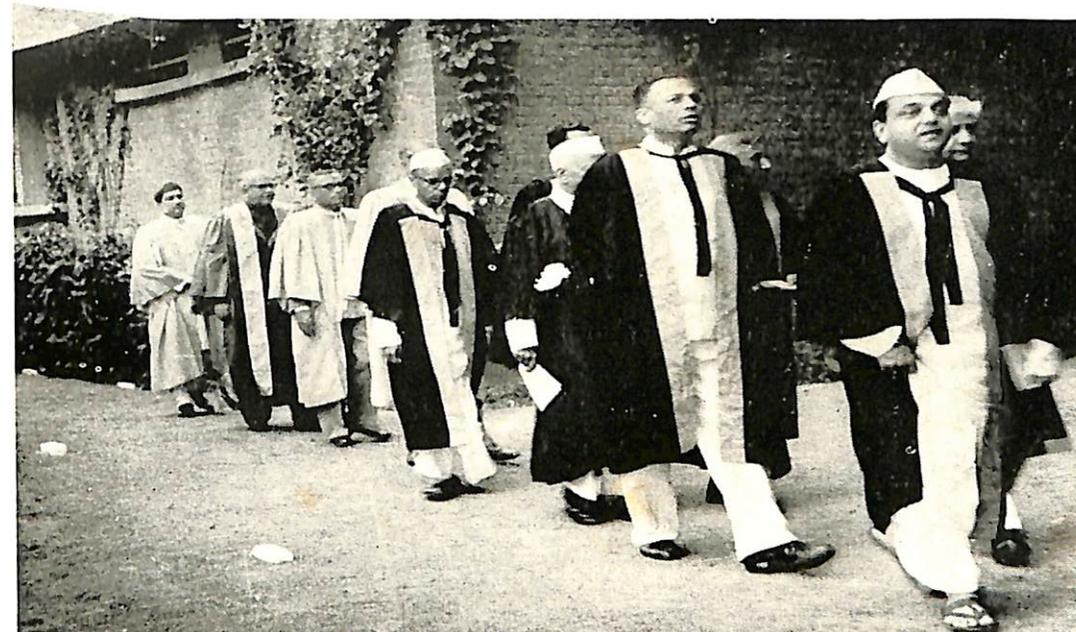
<i>Sr. No.</i>	<i>Name</i>	<i>Ex. Officio/ Elected/Nominated</i>	<i>Faculty/Faculties</i>
1.	Shri R. L. Pathak	Nominated	Science and Home Science
2.	Professor M. S. Patel	Ex-Officio	Education and Psychology
3.	Dr. D. M. Desai	Elected	Education and Psychology

(ii) (a) Lapsed grants amounting to Rs. 2,45,437 in the Capital Budget were sanctioned.

(b) Supplementary grants amounting to Rs. 4,54,941 in the Revenue Budget were sanctioned.

(iii) Ordinances and Rules mentioned in Pamphlet No. 9 of the Handbook Part II-1961 were passed.

(iv) Ordinances relating to the examinations, syllabi, standard of passing and exemptions for the Faculties of (a) Education and Psychology, (b) Commerce, (c) Home Science, (d) Social Work and text-books prescribed for various examinations mentioned in Pamphlet No. 1 and Handbook Part III and Part IV-1965 were passed.



The Senate Procession

- (v) (a) The Sixteenth Annual Report and the Sixteenth Annual Accounts of the University for the year 1964-65 were passed.
- (b) The excess expenditure over the revised estimates for the year 1964-65 was also passed.

Second Meeting (28th March, 1966) :

The following business was transacted:

- (i) (a) The following persons were elected to the Council of Post-graduate Studies and Research under Section 27 (2) (vi) of the Act:

1. Professor B. J. Sandesara, 2. Professor L. J. Bhatt, 3. Professor A. R. Chavan, 4. Dr. M. A. Patel, 5. Professor S. M. Sen.

- (b) Shri P. V. Shah was elected as a member on the Board of Visitors for the Faculty of Technology and Engineering.

- (c) Dr. C. B. Patel was elected as a member on the Board of Visitors for the Polytechnic.

- (ii) The following fellows were assigned to the Faculties as mentioned against their names:

<i>Sr. No.</i>	<i>Name</i>	<i>Ex-Officio/Elected Nominated</i>	<i>Faculty/Faculties</i>
1	Shri C. J. Shah	Ex-Officio	Science
2	Shri V. L. Devkar	Ex-Officio	Fine Arts
3	Shri Maganbhai Shanker- bhai Patel	Ex-Officio	Social Work
4	Shri J. P. Naegamwala	Ex-Officio	Technology and Engineering
5	Shri Hari Sinha	Nominated	Technology and Engineering

- (iii) The Annual Financial Statement comprising of the revised estimates for the year 1965-66 and the estimates for the year 1966-67 was considered and passed.

- (iv) The amendment of Statute 180 was considered and passed.

- (v) The report of the Board of Accounts for the year 1963-64 was considered and passed.

- (vi) The proposal to institute the following three new posts in the Faculty of Technology and Engineering was considered and passed:

- (1) Lecturer in Mathematics
(2) Lecturer in Physics
(3) Lecturer in Chemistry

CHAPTER IV—OTHER AUTHORITIES OF THE UNIVERSITY

1. Council of Post-graduate Studies and Research.

The Council of Post-graduate Studies and Research met twice during the year on 5th August, 1965 and 13th January, 1966 and considered in all 55 items referred to it. The following are the main items considered and recommended by the Council and approved subsequently by the Syndicate.

(1) Recorded the progress reports of the previously approved research schemes and recommended their continuation where necessary. It also considered and recommended some new research schemes for implementation during the year 1966-67. The names of the schemes are given in Chapter VI—Research Work in the University.

(2) Recorded the 28th and the 29th half yearly progress reports of the critical Editions of old Gujarati Texts (Prachin Gurjar Granthmala).

(3) Recommended that (i) the Atomic Energy Establishment (Trombay), (ii) the National Aeronautical Laboratory (Bangalore), (iii) the Botanical Survey of India (Calcutta) and (iv) the Anthropological Survey of India (Calcutta) be recognised as Institutions for research for the Ph. D. degree for eligible students of this University and for persons deputed by this University for conducting research for the award of Ph. D. degree.

(4) Recommended the recognition of 17 more teachers as Post-graduate teachers in different subjects.

2. Faculties:

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

<i>Sr. No.</i>	<i>Name of the Faculty</i>	<i>Date of the meeting</i>
(i)	Arts	12-12-1965
(ii)	Science	12-12-1965
(iii)	Commerce	12-12-1965
(iv)	Education and Psychology	12-12-1965
(v)	Medicine	11-12-1965
(vi)	Technology and Engineering	12-12-1965
(vii)	Fine Arts	12-2-1966
(viii)	Home Science	11-12-1965
(ix)	Social Work	9-11-1965
(x)	Law	26-9-1965
(xi)	Faculties of Arts and Commerce (Joint)	12-12-1965

<i>Sr.No.</i>	<i>Name of the Faculty</i>	<i>Date of the meeting</i>
(xii)	Faculties of Arts, Science and Commerce (Joint)	12-12-1965
(xiii)	Faculties of Science and Technology and Engineering (Joint)	12-12-1965

Important items of business on which the Faculties made recommendations are mentioned below:

(1) Faculty of Arts:

(i) Approved that M.A. students of this University or of some other Universities, who have passed the M.A. Examination with certain subjects or set of subjects be allowed to appear again at the M.A. Examination with new subjects or set of subjects, after keeping necessary terms afresh and that for the purpose of this resolution, an interchange of Principal and Subsidiary subjects be considered a new set of subjects.

(ii) Approved that the students be permitted to change the subjects from one group to another in F.Y.B.A. and S.Y.B.A. upto 1st August (instead of 31st August).

(iii) Approved the syllabus for the language course as optional to Papers IV and VI in the present syllabus in English at M.A.

(iv) Approved that M.A. Sociology students, from June, 1966 and subsequently, shall write, in each subject-paper taught during every academic year, a compulsory term-paper on a theme relevant to the concerned subject. Submission of all the seven term-papers shall be compulsory for eligibility to appear at the M.A. Examination.

(v) Approved that Diploma in Library Science (Dip. Lib.) be replaced by Bachelor of Library Science (B.Lib.Sc.) with effect from the year 1966-67.

(vi) Approved the draft syllabus in Pali (Major) at the T.Y.B.A. Examination.

(vii) Approved that in case of change of course or text-books, whether radical or routine, the students be given two more chances to appear at the examinations with the old course.

(2) Faculty of Science :

i) Approved the syllabus for the Paper III on Advanced Bio-chemistry in the M.Sc. (Final) year.

- (ii) Recommended for introducing the new special subjects of (1) Comparative Anatomy, (2) Reproductive Physiology and (3) Fishery Biology at the M.Sc. with effect from June, 1966.
- (iii) Decided that the Tutorial/Class record marks be carried forward for three consecutive examinations with effect from 1966.
- (3) *Faculty of Education and Psychology :*
 - (i) Decided that the practice of getting the approval of the Board of Studies in Education for the topics of dissertations of M.Ed. students be discontinued.
 - (ii) Approved the proposal to admit graduate with external degree of any statutory University in India to B.Ed. degree course, provided he/she has teaching experience of two academic years in recognised Secondary Schools.
- (4) *Faculty of Commerce :*
 - (i) Appointed a Sub-Committee to revise the existing M.Com. Courses.
- (5) *Faculty of Medicine :*
 - (i) Approved Ordinances, syllabi etc. for the Post-graduate degree courses—(i) M.D. in Anaesthesia, (ii) M.D. in Preventive and Social Medicine and (iii) M.D. in Radiology.
 - (ii) Recommended that our own Committee be appointed to inspect in the first instance the standards of examinations and facilities available for training in the post-graduate courses at the Medical College, Baroda with a view to ascertain whether the rules and regulations laid down by the Medical Council of India for purposes of maintaining uniform standards at the various post-graduate studies are observed or not. On receipt of a satisfactory report of our Committee, the Medical Council of India be approached to arrange for inspection.
- (6) *Faculty of Technology and Engineering :*
 - (i) Approved the Ordinances, scheme of working, scheme of examination and syllabi etc. for the fourth year of the Five Year Integrated Degree Courses in Civil, Mechanical and Chemical Engineering with certain modifications.
 - (ii) Approved the Ordinances, scheme of working, scheme of examination and syllabi for the Second Year of the B.E. (Electronics) degree course.
 - (iii) Recommended that the B.E. III (Special), B.E. IV (Special) and Final B.E. (Special) examinations be conducted by the University.
 - (iv) Recommended that the First Year B.Arch. examination be conducted by the Faculty.

- (v) Recommended that the paper on Statistics at the M.E. (Public Health Engineering) should be in uniformity with similar paper at M.E. (Production Engineering), of 100 marks (instead of 50 marks as at present), with a three-hours written paper of 50 marks and term-work and viva-voce of 50 marks and that this may come into force from 1966 examination.
- (7) *Faculty of Fine Arts:*
 - (i) Adopted a new procedure for the students of the First year special degrees, for passing the Internal Faculty Tests.
 - (ii) Approved the courses in Light Music (Applied Music.).
 - (iii) Approved the rules pertaining to equivalence of courses and changing of courses from Degree to Diploma and vice-versa.
 - (iv) Fixed the pupil-teacher ratio in Degree and Diploma classes.
 - (v) Revised the allocation of marks for the Dissertation to be submitted for the Diploma in Museology Examination. The total number of marks will be 800 out of which 200 will be allotted to the Dissertation.
- (8) *Faculty of Home Science:*
 - (i) Approved the outlines of the syllabi and the introduction of the new courses in the various semesters of the B.Sc. (Home), M.Sc. (Home), and P.G. Diploma in Nursery School Education Examinations.
 - (ii) Approved the new scheme for the Post-graduate Diploma in Nursery School Education with effect from 1966 examination.
 - (iii) Approved the admission policy for M.Sc. (Home) Course in Education and Extension.
- (9) *Faculty of Social Work:*
 - (i) Approved the curriculum and reading lists for the academic years 1966-68.
 - (ii) Recommended that the Faculty may examine the curriculum and explore the possibility of introducing a course in Social Work at under-graduate and graduate level.
- (10) *Faculty of Law:*
 - (i) Recommended that the holders of the M.S.W. degree examination of this University or an examination recognised as equivalent thereto be considered eligible for admission to the Diploma Course in Labour Laws and Practice.

3. Boards of Studies

<i>Sr. No.</i>	<i>Name of the Board</i>	<i>Date of the meeting</i>
(i)	Sanskrit, Pali and Prakrit Languages and Literature	19-8-1965
(ii)	Persian, Urdu and other Asian Languages and Literature	4-8-1965
(iii)	Hindi Language and Literature	27-8-1965
(iv)	Gujarati Language and Literature	13-8-1965
(v)	Marathi Language and Literature	19-8-1965
(vi)	English Language and Literature	26-8-1965
(vii)	Modern and Ancient European Languages and Literature	26-8-1965
(viii)	Sociology	14-8-1965
(ix)	History, Archaeology and Ancient Indian Culture	24-8-1965
(x)	Philosophy	20-8-1965
(xi)	Linguistics	9-8-1965
(xii)	Library Science	21-8-1965
(xiii)	Political Science	20-8-1965
(xiv)	Physics and Meteorology	20-8-1965
(xv)	Chemistry	15-9-1965
(xvi)	Botany	23-8-1965
(xvii)	Zoology	2-9-1965
(xviii)	Bio-chemistry	17-8-1965
(xix)	Microbiology	20-8-1965
(xx)	Geology	28-8-1965
(xxi)	Education	30-8-1965
(xxii)	Psychology	20-9-1965
(xxiii)	Banking including Business Finance	10-9-1965
(xxiv)	Accounts	10-9-1965
(xxv)	Commerce including Business Administration	20-9-1965
(xxvi)	Co-operation	10-9-1965
(xxvii)	Anatomy and Physiology	4-9-1965
(xxviii)	Pharmacology and Pathology	11-9-1965
(xxix)	Medicine, Surgery, Midwifery etc.	24-9-1965
(xxx)	Engineering	27-9-1965
		&
		11-12-1965
(xxxi)	Architecture	8-10-1965
(xxxii)	Law	26-9-1965
(xxxiii)	Painting, Sculpture and Applied Arts	23-9-1965

<i>Sr. No.</i>	<i>Name of the Board</i>	<i>Date of the meeting</i>
(xxxiv)	Music, Dance and Dramatics	27-9-1965
		&
		12-2-1966
(xxxv)	Museology	30-11-1965
(xxxvi)	Child Development	24-9-1965
(xxxvii)	Foods and Nutrition	27-9-1965
(xxxviii)	Home Science Education and Extension	24-9-1965
(xxxix)	Clothing and Textiles and Home Management	27-9-1965
(xl)	Social Work	9-11-1965
(xli)	Mathematics	6-10-1965
(xlii)	Statistics and Actuarial Science	11-9-1965
(xliii)	Geography	4-9-1965
(xliv)	Economics	21-8-1965

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

CHAPTER V—OTHER BOARDS AND COMMITTEES

General

The work done by some of the other Boards and Committees during the year is given below :

1. University Board of Sports

A meeting of the University Board of Sports was held on 11th October, 1965. The Board appointed (i) a Committee to select the teams for participation in All India tournaments, (ii) a Sub-Committee to prepare a proforma for collecting information regarding various physical activities and (iii) the following coaches : (a) Shri J. M. Ghorpade for Cricket and Tennis, (b) Shri Yogesh S. Yadav for Kho-Kho (Men and Women teams) and (c) Shri C. S. Dubey for Hockey (Men and Women teams)

2. Students Welfare Board

A meeting of the Students Welfare Board was held on 31st January, 1966. The Board recommended to reserve one room in Kasturba Hall for the use of sick women students and also to use the Library room of Smt. Sarojinidevi Hall for the same purpose in times of emergency. It also recommended that action be taken for the installation of Public Telephones in the three main areas of the Halls of Residence, and also referred the question of reducing the mess bills in the Hostels to the Wardens' Committee.

3. Publication Board

The Publication Board met on 9th November, 1965. It considered and recommended the publication of the following works:—

(i) Analysis of Research in Child Development and Family Relations done in Indian Institutes of Teaching and Research—by Dr. (Smt.) P. Phatak and Kumari A. K. Joshi. (ii) Problems of adolescent girls in Gujarat State—by Dr. Mary S. Lyle. (iii) Report of "Devni Mori" excavations—by the Department of Archaeology and Ancient History. (iv) Functional Classification of Towns in Gujarat under the Research Paper Series of the Geography Department. (v) Some problems of Education in the State of Gujarat—by Dr. D. M. Desai. (vi) Bibliography of Research related to Home Science—by Dr. Mattie Pattison.

The Board also approved the programme of publication of nine works under Gaekwad's Oriental Series.

4. Board of Extra Mural Studies

The Board met on 9th November, 1965 and recommended a programme of extension lectures by the University teachers and outside experts. An amount of Rs. 7,450/- was sanctioned for this purpose.

5. Library Committee

The Committee met on 19th August, 1965. It approved the new revised rates for the supply of books offered by the approved vendors in view of the cut in their import quota for the year 1965-66, and also approved the procedure to be adopted for the purchase of books, etc. on account of the situation which arose out of the cut in the import of books.

6. Building and Planning Committee and University Buildings Committee

A meeting of the University Building and Planning Committee was held on 25th November, 1965. It recommended the programme of new construction works, and also of ordinary and special repairs to the various buildings of the University to be carried out at an approximate estimate of Rs. 1,18,000 during the next year. A provision of Rs. 10,000 was recommended in the next year's budget for water supply scheme in the University Campus.

7. Students' Advisory Bureau for Studies in India and Abroad

The office of the Bureau which was located in the University Office has been shifted to the Faculty of Education and Psychology. The Counsellor of the Students' Counselling Centre is in charge of the Bureau.

8. Standing Committee on Equivalence of Examinations

The Committee met twice on 5th August, 1965 and on 8th March, 1966. It considered in all 55 items regarding equivalence of various examinations and cases of eligibility of students.

9. Board of Visitors

Meetings of the Boards of Visitors for the Faculties of Arts, Oriental Institute, Technology and Engineering, Polytechnic, Science, College of Indian Music, Dance and Dramatics and the Medical College were held during the year. The recommendations and the reports of the meetings were submitted to the Syndicate. Some of the important recommendations made by the Boards and approved by the Syndicate are as under:

(1) *Faculty of Arts*: The Board met on 1st October, 1965 and noted that (i) the proposals for additional staff as well as equipment have been included in the development programme of the Faculty during the Fourth Five Year Plan; (ii) the proposal for accommodation and equipment for the Linguistic Department be prepared and the University Grants Commission be approached for suitable grants, (iii) the books for the English Department be drawn from the University Library and the proposal for the annual grant of Rs. 1,000/- and

Rs. 200/- for books and periodicals respectively of special nature be generally approved and be referred to the Budget Committee.

(2) *Oriental Institute*: The Board met on 12th November, 1965 and recommended that (i) The Oriental Institute is the appropriate place for starting a School of Asian Studies which is likely to serve as an important exploratory department for starting the work of Area Studies. (ii) (a) “शिक्षणने प्रतिष्ठान” : by Shri Manishankar Ratnaji Bhatt, be reprinted. This book is an old publication of the Kalabhavan (now the Faculty of Technology and Engineering). (b) “चरकने रसाध्याय” : by Shri Bapalal G. Vaidya, be published.

(3) *Faculty of Technology and Engineering*: The Board met on 15th November, 1965 and recommended that (i) The Board should meet every year in view of the fast development that is taking place in the Faculty. (ii) The question of the development of the Faculty Library and the Reading Room be pursued and the State Government be requested to sanction the necessary matching grant. (iii) The proposal for establishing a School of Architecture is being considered by the Western Regional Office, Ministry of Education, Government of India for strengthening the Department of Architecture and the same be noted. (iv) The Senior Professors' grade as recommended in the IIIrd Five Year Plan be given to our Heads of the Departments in the Faculty in line with the grades given to the Heads of Departments in the Regional Engineering Colleges. (v) Post-graduate Diploma Course in Valuation of Properties be introduced. (vi) The Board re-iterated its recommendation made on 27th November, 1963 that the degree course in Textile Engineering be discontinued, and a Master's Course in Textile Engineering be started. (vii) While appreciating the research work done by the members of the teaching staff the Board recommended that more research work be done by a larger number of teachers in the Faculty.

(4) *Polytechnic*: The Board met on 15th November, 1965 and recommended that (i) the proposal to have an open air theatre in one of the quadrangles of the Polytechnic be approved. (ii) The Board re-iterated its recommendation made in its meeting held on 20th January, 1964 and recommends that the question of starting (a) Post-diploma Course in Automobile Engineering and (b) Post-diploma Course in Air-Conditioning and Refrigeration be taken up again, and the Government of India be approached to sanction these courses with necessary grants. (iii) The possibility of having the Polytechnic Library and reading room open upto at least 9—00 p.m. in the evenings be considered.

(5) *Faculty of Science*: The Board met on 4th December, 1965 and recommended that (i) The post of a Store-keeper in the Biochemistry Department be sanctioned. (ii) The post of a Museum and Store-keeper in the

Botany Department be instituted. (iii) The post of a Reader in Floristic Studies be instituted. It was, however, suggested that such a post in Plant Physiology and Genetics would be more desirable in view of the advances in these fields. (iv) The post of a Senior Microanalyst in the Chemistry Department in the grade of Rs. 700-40-1100 be instituted. (v) The proposal for the additional accommodation for the Geography Department be accepted. (vi) The proposal for the following additional equipment for the Geography Department be accepted: (a) Photo Copying equipment. (b) Draughtman's equipment. (c) Air Photographs for land use mapping. (d) Topo Sheets of 1", 1/2" 1/4" and 1/1,000,000. (vii) The following posts of Reader and Lecturer be instituted in the Mathematics Department. (viii) The post of a Reader in Microbiology be instituted and the proposal for additional equipment amounting to Rs. 2,25,000/- be accepted. (ix) The proposal to convert the post of a Demonstrator into the post of a Lecturer in the Statistics Department be accepted.

(6) *College of Indian Music, Dance and Dramatics*: The Board met on 24th January, 1966 and recommended that (i) The Board should meet every year and the next meeting be held in October, 1966. (ii) The posts of Reader in Dance and Reader in Dramatics be filled up. (iii) The working of Music College be reviewed with the help of an expert Committee. (a) The new course of Applied Music should be started as soon as possible. (b) The post of a Lecturer to teach composition in II and III year of Applied Music be created in the Department of Music. Such a person should know Western Music. (c) Some well-known experts in 'Composition' should be invited as Visiting Professors. (v) The research project "Bibliography of the great Bharatiya Nat Amrut Keshav Nayak" of Dr. D. G. Vyas be discontinued as there has been no progress in recent years.

(7) *Faculty of Medicine*: The Board met on 27th February, 1966. It noted that several of the suggestions made by it in 1962-63 were acted upon by the authorities. The Board also made the recommendations: (i) to take steps immediately to appoint a well qualified librarian, (ii) a separate block be built for the relations of patients, (iii) a department of nuclear medicine be added and an institute of Basic Sciences be planned as soon as all the departments are upgraded.

10. Committee for General Education and Preparatory Courses in Arts, Science and Commerce

The Committee met on 15th April, 23rd June, 1965 and 8th March, 1966. It recommended the suggestion to change (a) syllabus in Paper V—Mathematics, (b) Text-Books etc. in Paper V—General English and (c) Books in Paper VI—Commercial Geography and Geography. It also recommended (i) the holding of two periodical examinations instead of three for the Preparatory Classes and

(ii) introduction of the P.S.S.C. course for Preparatory Science from 1965-66. It approved the report on the implementation of the General Education programme from June, 1965 and the teaching arrangement in General Education from June, 1966. It recommended the appointment of Sub-Committee for admission to Preparatory courses in Arts, Science and Commerce and also the admission procedure for the year 1966-67.

11. Academic Committee

The Committee met twice on 14th September, 1965 and 16th March, 1966. It recommended that (i) the facility to take optional subjects in lieu of the compulsory subject of Hindi be extended to overseas students; (ii) that the draft reply to be sent to the University Grants Commission on the report of the Committee on Standards of University Education be approved and (iii) that a uniform policy be adopted in the matter of getting the approval of the competent authorities for drafting or revising the syllabi, scheme of examination, etc. in respect of different subjects taught in the Faculty other than the Faculty under which the respective Boards of Studies are constituted.

12. Deans' Meeting

The meeting of the Deans of Faculties and Heads of Institutions was held on 10th August, 1965. The Committee recommended as under:

(i) The procedure to be observed for keeping the charge of the Dean/Principal when he is away from duty for short duration during term time or vacations was finalised. (ii) Appointed a Committee to work out the details about the printing of the prospectuses, their contents, prices etc. (iii) Considered recommendations of the Seminar on Students Personnel Services and recommended to reserve one of the Halls of Residence for men students for the Preparatory Classes and also to publish a weekly or fortnightly bulletin of the University. (iv) Finalised eligibility of vacation employees for earning proportionate privilege leave on full pay for working in the vacations and procedure relating thereto. (v) Celebration of the International Co-operation Year (ICY) Day.

13. Finance and Establishment Standing Committee

Ten meetings of the Committee were held during the year. The Committee considered several items concerning requests for additional establishment, grants, purchase of equipments, approval of plans, estimates and tenders for construction work, contracts for supply of petrol, servicing of vehicles, cleaning and adjustment of typewriters, etc. and requests from the members of the staff regarding study leave, leave without pay for study abroad and extensions etc. The recommendations of the Committee were placed before the Syndicate.

The Committee met as Budget Committee on 22nd January, 1966. It submitted to the Syndicate the revised estimates for the year 1965-66 and the esti-

mates for the year 1966-67 after scrutinising various proposals received from the Faculties, Institutions and Offices of the University.

14. Investment Committee

The Committee held five meetings during the year. The recommendations of the Committee concerning the investment etc. of the University funds were approved by the Syndicate.

15. Press Supervisory Committee

There were seven meetings of the Committee. It considered the monthly reports of the Manager regarding the work of the Press, Stationery Unit and Publication Sales Unit and also the printing programme, and made recommendations regarding the purchase of paper, stationery, equipment, etc.

16. Shri Sayaji Sahityamala Publication Committee

The Committee met on 28th August, 1965 and recommended the publication of the following works:

1. ક્ષરસી સાહિત્યનો ઇતિહાસ : by Shri M. F. Lokhandwala
બીજી આવૃત્તિ.
2. બહુચરાણ by Professor N. N. Valand

The Committee also recommended the preparation of an upto-date translation of two works—“ ઋગ્વેદ મંડળ યોથુ ” and “ ઋગ્વેદ મંડળ સાતમું ”.

17. Sir Sayajirao III Memorial Research Prize Fund Committee

The meeting of the Committee was held on 15th September, 1965. The Committee accepted the essay—“ ગુજરાત રાજ્યમાં ખનિજસંપત્તિ ઉપર આધારિત ઉદ્યોગો ” (Industries based on mineral resources in the State of Gujarat) written by Shri Bhanuprasad V. Raval for the award of prize and also selected—“ ભારતમાં રાજકીય નેતૃત્વને પ્રશ્ન ” as subject for the essay for the year 1965-66.

18. Baroda Sanskrit Mahavidyalaya Committee

The meeting of the Committee was held on 6th July, 1965. It recommended the celebration of the Suvarna Jayanti Mahotsava of the Baroda Sanskrit Mahavidyalaya and the publication of its special Golden Jubilee Commemoration Issue during the year.

19. Wardens' Committee

In all 4 meetings of the Wardens' Committee were held during the year on 14th May, 21st September, 11th November, 1965 and 17th March, 1966. The allocation of seats for men and women students of the different institutions in the Halls of Residence was made. The revised budget for the year 1965-66 and the budget for the year 1966-67 were prepared and submitted to the Syndicate for approval.

20. Selection Committees

During the period from 1st April, 1965 to 31st March, 1966, there were 25 meetings of the Selection Committees appointed under Section 48 (2) of the Act and they recommended 21 candidates for appointment to the posts of Professors and Readers in various Faculties and Institutions in the University. There were 67 meetings of the Standing Selection Committees for Junior posts and 16 meetings of the Standing Selection Committees for Class III posts and 152 and 66 candidates respectively were recommended by these Committees for appointment to different posts in the University.

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

The Committee met on 5th October, 1965 and recommended the applications of the students of the various Faculties and Institutions of the University for financial assistance from the Students' Aid Fund and made awards totalling Rs. 25208-65 for tuition fees, examination fees, books etc.

22. N.C.C. Senior Division Advisory Committee

The Committee met on 16th September, 1965. The Committee approved the proposal regarding N.C.C. Officers and Cadets above 17 years of age to participate in the Civil Defence work of their city. The Committee recommended an increase in the washing allowance to cadets at the rate of Rs. 15/- (instead of Rs. 11/-) per year.

CHAPTER VI—RESEARCH WORK IN THE UNIVERSITY

During the year, post-graduate teaching and research work was done in almost all faculties and institutions of the University. 300 students, who were registered for the Ph.D. degree in previous years continued the research work on their theses. 49 new students (9 in the Faculty of Arts, 28 in the Faculty of Science, 2 in the Faculty of Home Science, 4 in the Faculty of Education and Psychology, 4 in the Faculty of Medicine, 2 in the Faculty of Fine Arts) were registered for the Ph.D. degree during the year.

2. Research Schemes sponsored by the University

On the recommendations of the Council of Post-graduate Studies and Research, the University approved the continuation or implementation of the following research schemes. The expenditure on these schemes was borne by the University from its own funds. An amount of Rs. 1,02,885 was sanctioned by the University for this purpose during the year.

<i>Faculty/Department</i>	<i>Research Scheme</i>
	Faculty of Arts
Archaeology and Ancient History History	Chronology of Gujarat, Volume II (942-1300 A.D.). Selected Bibliography for the History of Gujarat under the East India Company.
	Faculty of Science
Botany	(i) Studies on Microclimate. (ii) The cytology of certain monocotyledons, especially the genera Scirpus, Kyllinga, Anthurium and Arisaema and of a few important crops of Gujarat. (iii) Studies on the Pattern of Growth and Cell Division in Suspension Cultures derived from the Root of Higher Plants.
Chemistry	(i) Mesomorphism and Chemical Constitution (ii) Synthesis of ion exchange compounds.
Microbiology	Studies on the enzyme induction and reversible mutation in molds
Physics	(i) X-Ray study of Alloys (ii) Study of Spectra of some diatomic molecules

<i>Faculty/Department</i>	<i>Research Scheme</i>
Zoology	Studies on the salivary glands of the House Swift (<i>Apus affinis</i>)
Faculty of Medicine	
Physiology	(i) Inquiry into the investigations on the effect of different foods etc. (ii) Inquiry into the investigations on urinary excretion etc. (iii) On the studies of enzymic contents of regenerating liver in laboratory rats subjected to partial hepatectomy
Pathology	Malignant Lymphoma
Obstetrics and Gynaecology	Papanicolaur smear screening after 35 years
Faculty of Technology and Engineering	
Applied Mechanics	Elastic stability of tall building frames

3. Research Schemes sponsored by outside Agencies

The following schemes which have been sponsored by the Ministries of the Central Government, Departments of the Government of Gujarat and other agencies were in progress:

<i>Department</i>	<i>Title of the Project</i>	<i>Name of the Financing agency</i>
Faculty of Arts		
Agricultural Economics	(i) Implementation of tenancy abolition Emerging Pattern of land rights and Agricultural production in Gujarat State	Planning Commission, Government of India, New Delhi
	(ii) A Study of Gujarat Local Finances vis-a-vis Urban Growth and its problems	Federation of Gujarat, Mills and Industries, Baroda
Sociology	(i) Saurashtra C. D. Research Project	U. S. Educational Foundation in India, New Delhi
	(ii) Functional and Dysfunctional Aspects of the working of the C.D.P. in Gujarat, India	Central Government through the Central Institute of Studies and Research, Mussorie

<i>Department</i>	<i>Title of the Project</i>	<i>Name of the Financing Agency</i>
	(iii) Project on Sociology of Education	Government of India, New Delhi
	(iv) Social Implications of Industrialisation	Government of India, New Delhi
Faculty of Science		
Biochemistry	(i) Studies on Pyridinonucleotide metabolism in normal tissues and crown galltumor—a Althearoses	United States Development of Agriculture (Am PL 480 Programme)
	(ii) Sewage Purification	"
	(iii) Effect of Protein malnutrition and of different protein food on learning performance	"
	(iv) Ascorbic Acid secretion during lactation	"
Botany	(i) Studies on the effect of gibberellic acid—a growth stimulating hormone, on Cotton & Sorghum	"
	(ii) Experimental Induction of Tissues Differentiation & Organ Initiation from Plant Tissues cultured in Vitro	C.S.I.R.
	(iii) In vitro studies of the Pollen cultures of Plants	Department of Industries, Gujarat State
Chemistry	(i) Effect of structure on the transition temperature of mixed liquid crystals	C.S.I.R.
	(ii) Separation of Alkaloids	Department of Industries, Gujarat State
Microbiology	(i) Metabolic changes involved in the ripening of mangoes	United States Department of Agriculture (Am PL 480 Programme)
	(ii) The Mechanism of Carotene biosynthesis in Mangoes and Carrots	C.S.I.R.

<i>Department</i>	<i>Title of the Project</i>	<i>Name of the Financing Agency</i>
Physics	(i) Optical and related properties of luminescent materials	C.S.I.R.
	(ii) Studies of Molecular spectra of fifth group diatomic molecules	C.S.I.R.
	(iii) Study of Spectra of some diatomic molecules	Department of Industries, Gujarat State
Statistics	(i) Measurement of Fertility Rate and Infant Mortality Rate in Baroda and Neighbouring Areas	Ministry of Health, Government of India, New Delhi
	(ii) On Demography	Department of Education, Gujarat State
Zoology	(i) Histophysiological Studies on the red and white muscles of fishes	C.S.I.R.
	(ii) Studies on the effect of induced atrophy on the red and white fibres of the pectoralis muscle and blood in the pigeon	U.S.A., Muscular Dystrophy Association
	(iii) Physiology of the Khapra beetle, <i>Trogoderma granarium</i>	United States Department of Agriculture (Am PL 480 Programme)
Faculty of Medicine		
Obstetrics and Gynaecology	(i) Study of uterine involution in normal and abnormal labour	Department of Health, Government of Gujarat
	(ii) Study of Maternal height in relation to the type of labour	"
	(iii) Study of the hemoglobin in the Newborn in relation to the maternal hemoglobin	"
	(iv) Study of lactational amenorrhoea	"
	(v) Study of the average weight gain in the pregnancy	"

<i>Department</i>	<i>Title of the Project</i>	<i>Name of the Financing Agency</i>
	(vi) Blood volume in severe anaemia in pregnancy with control of moderate anaemia in pregnancy & non-pregnant state	Department of Health, Government of Gujarat
	(vii) Detailed study of severe anaemia and (below 4 gms) effect of I. M. Iron treatment and its comparison with blood transfusion.	"
	(viii) Physiological anaemia and effect of oral iron from first trimester	"
	(ix) Study of Hemoglobin before and after delivery	"
	(x) Study of Intra-uterine device for I.C.M.R. contraception	"
	(xi) Study of aetiological factors in leucorrhoea	"
	(xii) Paracervical block-pain relief and effect on dilatation of cervix during labour with control study.	"
Faculty of Technology and Engineering		
Mechanical Engineering	One stroke Engine (Gujarat State, Industrial Research Council Scheme)	Department of Industries, Government of Gujarat
Electrical Engineering	Correlation between frequency response & transient response of non-linear control systems	University Grants Commission
Faculty of Home Science		
Home Management	(i) "Cost of Fuels"	Home Science Project Ford Foundation
	(ii) Iron Performance	Home Science Project Ford Foundation
Child Development	Inter-personal Relationship of village families related to the Problems of Family Planning	Ministry of Health Government of Gujarat
Foods and Nutrition Department	(i) Nutrition qualities of cereals and pulses—BAJRA	Indian Council of Agriculture Research

Department	Title of the Project	Name of the Financing Agency
	(ii) Ascorbic acid metabolism during lactation	United States Department of Agriculture (Am PL 480 Project)
	(iii) Effect of protein malnutrition and of different protein foods on learning performance and brain biochemistry in the rat	do
	(iv) Effect of School lunch programme on growth rate, physical activity and psychological performance of school going children in a village	UNICEF, New Delhi
Faculty of Social Work		
Social Work	A study of the conflicts of the young adult students in relation to parental norms and behavioural manifestation of these	Department of Health, Education and Welfare, Government of United States, Washington, D.C.

4. Research Work by Teachers

Name of the Teacher and Department

Field of Research

Faculty of Arts

Archaeology

1. Prof. R. N. Mehta Excavation at Nagara, Taluka Cambay, Dist. Kaira
Excavation at Shamlaji. Field work at Tripuri near Jabalpur, M.P. in collaboration with the Deccan College, Poona, Saugar Univ. etc.
2. Dr. S. C. Malik Field work with regard to Pleistocene sea levels and deposits of relevance to Palaeolithic Archaeology.
3. Shri A. C. Patel Field work on the Pleistocene sequence of the Narmada, Mahi and Sabarmati.
4. Shri B. Suryavanshi The Abhiras, their history and culture.
5. Dr. (Smt.) D. R. Shah Shell remains from Nagara I and (2) Bones from Atranji Khera II
6. Dr. S. N. Chaudhary Worked on reports of (1) Somanath (Pottery), (2) Amra, (3) Lakhabawal.
7. Shri A. J. Patel The folk-terracottas from the Raniparaj area of Surat District.

Name of the Teacher and Department

Field of Research

Economics

8. Dr. J. C. Sandesara Scale and Technology in Indian Industry.
9. Dr. V. N. Kothari Investment in Education.

Gujarati

10. Dr. H. M. Trivedi Life and works of Professor B. K. Thakore
11. Shri N. C. Desai Critical edition of Sadevachha-Savlinga by Nittyalabha (1726 A.D.)

Hindi

12. Shri P. N. Jha मैथिली नाटक-उद्भव और विकास.
13. Shri V. B. Joshi Philosophy and Arts of Nirala.

History

14. Prof. S. C. Misra Comprehensive History of India, Indian History Congress.
Cambridge History of India, Vol. II.
Sher Shah & His Age (Monograph);
District Gazetteers, Gujarat: Medieval and Modern History of Bhavnagar District,
March of Islam in India: A.D. 712-1191.
Ghazanavid Invasions : (Completed)
The Sur Dynasty : (In progress)

Political Science

15. Shri A. P. Rana Research on India's Policies in the U. N. in Relation to Disarmament and the Control of Atomic Energy: 1947-1961. This research is towards the D.Sc. degree of the University of Geneva, Switzerland. Permission to pursue these studies for the Academic year 1966-67 has been given by the University on the Research Fellowship award of the Graduate Institute of International Studies, University of Geneva, Switzerland.

Sanskrit

16. Dr. A. N. Jani Preparation of the critical edition of the Vidyadhari, the earliest commentary on the Naisadhiyacarita of Sriharsha.
17. Dr. S. G. Kantawala Linguistic aspect of the Matsyapurana and some vedic topics.

Faculty of Science

Bio-Chemistry

1. Dr. S. K. Srivastava Studies on normal and tumor tissues cultivated in vitro.

<i>Name of the Teacher and Department</i>	<i>Field of Research</i>
2. Dr. L. J. Parekh	Studies on Organic acid metabolism in fruit tissues.
3. Dr. H. R. Chokshi	Bio-chemistry of Animal Tissues cultivated in vitro.
4. Dr. K. C. Patil	Bio-chemistry of fat-splitting organisms.
Botany	
5. Professor A. R. Chavan	Agrostology, Ecology and Floristic.
6. Dr. C. H. Pathak	Agronomy, Physiology and Cytogenetics.
7. Dr. A. R. Mehta	Morphogenesis and Physiology.
8. Shri L. K. Gaekwad	Palynology.
9. Shri Y. S. Deshmukh	Embryology and Floral Anatomy.
10. Shri S. N. Padate	Floristics and Taxonomy.
11. Shri S. D. Sabnis	do
12. Shri R. P. Bhatt	Anatomy and Cytology.
13. Shri S. J. Bedi	Floristics and Taxonomy.
Geography	
14. Professor (Smt.) V. A. Janaki	(i) Population pattern in the towns of Gujarat (ii) Morphology of the towns of Gujarat (iii) Small ports of Gujarat (iv) Kandla Port
Geology	
15. Professor S. S. Merh	(i) Pre-Cambrian Rocks of Gujarat (Upper Mantle Project) (ii) Geology of Kumaon Himalayas
16. Shri N. M. Vashi	Geology of Ranikhet (Almora)
17. Shri S. J. Desai	Geology of Majkhali (Almora)
18. Shri A. N. Shah	Geology of Almora Region
Microbiology	
19. Dr. V. V. Modi	(i) Lipid metabolism in mold (ii) Vitamins and amine acid production by microbes (iii) Genetic transformation in bacteria
20. Shri S. V. Gadre	Microflora of oil-rich belts in Gujarat State
Physics	
21. Professor N. S. Pandya	Optical studies of crystal surfaces
22. Dr. R. V. Joshi	Luminescent study of solids
23. Dr. M. M. Patel	Rotation and Vibrational analysis of spectra

<i>Name of the Teacher and Department</i>	<i>Field of Research</i>
24. Dr. J. R. Pandya	Optical study of crystal surfaces
25. Shri V. R. Matrubhuteshwaran	Structure Analysis by X-Ray studies
26. Dr. S. K. Shah	Theoretical Nuclear Physics
Statistics	
27. Professor N. M. Bhatt	(i) Studies on transformations of normal variate (ii) Studies in some problems of Inference and Design (iii) Studies in some problems of Educational Statistics
28. Smt. Indira V. Bhanot and R. C. Patel	(i) Statistical Summaries of Medical Inspection Reports (ii) Studies in Wastage and Stagnation in Indian Universities (iii) Demographic Survey
29. Dr. M. S. Patel	Problems in Design of Experiments
30. Shri A. G. Phatak	Problems in Industrial Statistics
Zoology	
31. Professor J. C. George	(i) Developmental Physiology (ii) Structure and Physiology of muscle (iii) Comparative Physiology (iv) Neuroendocrinology (v) Reproduction Physiology
32. Dr. R. V. Shah	(i) Reptilian Anatomy and Physiology (ii) Vertebrate Embryology
33. Dr. R. M. Naik	(i) Anatomy, Physiology and Ecology of birds (ii) Animal Behaviour
Chemistry	
34. Professor S. M. Sethna	(i) Studies in Coumarins, Chromones flavones, benzofurans, biphenyls
35. Dr. J. S. Dave	(i) Liquid Crystals
36. Dr. S. L. Bafna	(i) Studies on Ion-exchange resins
37. Dr. K. N. Trivedi	(i) Studies in Coumarins
Mathematics	
38. Professor U. N. Singh	(i) Topological Vector Spaces (ii) Branch Algebras (iii) Harmonic Analysis

<i>Name of the Teacher and Department</i>	<i>Field of Research</i>
39. Shri O. P. Goyal	Problems in the theory of Trigonometric Series
Mathematics	
40. Shri V. M. Shah	Summability problems in the theory of Trigonometric series
41. Shri G. V. Shah	Functional Analysis
42. Shri S. R. Agrawal	Fourier Analysis in Groups
Faculty of Home Science	
Foods and Nutrition	
1. Dr. (Mrs.) R. Rajalakshmi	(i) Human Lactation (ii) Chemical and Biological evaluation of Foods and Mixtures (iii) Human Nutrition
Clothing and Textiles	
2. Kumari Savitri Pandit. Miss Elizabeth Tarpley and Kumari Bilkis Tavawala	(i) The comparative study of the serviceability of three Indian made and one foreign made sewing machines (ii) Body measurements of college for garment making and pattern construction
3. Kumari Savitri Pandit, Smt. Saroj Patel and Miss Elizabeth Tarpley	Selection and care of Fabrics
Home Science Education and Extension	
4. Smt. Dhruti Chaudhari	A Survey of Study habits of students enrolled in the Faculty of Home Science
5. Kumari Anupama Jaituni	The use and availability of Teaching Aids and problems recognized by the teachers regarding the same in College departments of education and in Schools of Gujarat
Sanskrit Mahavidyalaya	
Sanskrit	
1. Shri H. C. Mehta	Investigation into the Philosophical Doctrine of the Bhagwat Purana
2. Shri S. V. Bhatt Bhatt	Arthasangraha of Laugakshi Bhaskar with commentary and Introduction

5. Examination Reform and Research Unit.

During the year, the Unit standardized the Scholastic Aptitude Test (SAT) for admission to Preparatory Course in Science. This test measures certain basic abilities essential to college-level work. It is felt that if scores in this SAT be used along with S.S.C. Examination grand-total marks, both together can give better results than S.S.C. Examination grand-total marks alone, for deciding admissions to Preparatory course in Science.

An empirical study of effectiveness of S.S.C.E. marks as the only criterion for admission to Diploma Courses in Engineering and Degree Course in Commerce was the second problem taken by this Unit for investigation. It has been noticed that S.S.C. Examination marks, though giving fair indication of future success in these courses, are not very valid and reliable for very good predictions. Some new admission procedures have to be thought of. The expectancy tables for diploma courses in Engineering indicate that a student getting 50 per cent marks at the S.S.C. Examination has only 23 per cent chance of passing the F.Y. Diploma Examination in Pass Class, and that his chance of failure is 58 per cent. The expectancy tables for Commerce course suggest that 45 per cent marks at the S.S.C. Examination may be considered as the minimum requirement for admission to the Preparatory Course in Commerce. The study also indicates upward trend in the rate of failures at the Preparatory Commerce Examination every five years.

The above studies have been embodied in two monographs entitled *Empirical studies in Examinations*—Research Monographs 4 and 5 published by the Examination Reform and Research Unit.

CHAPTER VII—LECTURES AND DEPUTATIONS

1. University Extension and Other Lectures

The following lectures were delivered under the auspices of the University, University Grants Commission's Scheme of Exchange of Professors between Universities, National Laboratories etc.:

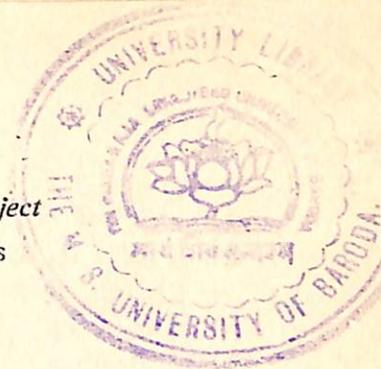
(1) The Maharaja Sayajirao Memorial Lectures

Name of the Lecturer	Date	Subject
1 Dr. Mulk Raj Anand Lalit Kala Akademi, New Delhi	24-2-1966	The Volcano—the development of Rabindranath Tagore's aesthetics
2 Lectures under Extra Mural Scheme of the University and/or University Grants Commission's Scheme of Exchange of Professors:		
Faculty of Arts		
1 Dr. S. B. Deo, Deccan College, Poona	6-12-1965	Excavations at Chandoli
2 Professor P. Nagaraja Rao Head, Department of Philosophy, Shri Venkateshwar University, Tirupati, Andhra State	6-12-1965 7-12-1965	Moral Philosophy
3 Dr. D. K. Garde, Dean, Faculty of Arts, Poona University, Poona	10-1-1966 11-1-1966 12-1-1966 13-1-1966 14-1-1966	Advanced Political Theory
4 Kum. K. R. Randive, Department of Econ- omics, Bombay Univer- sity, Bombay	17-1-1966 18-1-1966 19-1-1966 20-1-1966 21-1-1966 22-1-1966	Behaviour of Income Shares— Some Recent contributions to Macro-Economic Theories of Dis- tributions
5 Dr. Dhirubhai Thakar, Dean, Modasa College, Modasa	28-1-1966	દેકુલું કાવ્યસ્વરૂપ અને તેનો ગુજરાતી સાહિત્યમાં પ્રયોગ
6 Prof. H. C. Bhayani, Professor of Linguistics, Gujarat University, Ahmedabad	31-1-1966	New-Indo-Aryan : Contributions of Eastern and Western Scholars to its study

Name of the Lecturer	Date	Subject
7 Prof. Dr. Kanti Chandra Pandey, U.G.C. Prof. of Sanskrit, Lucknow Uni- versity, Lucknow	5-2-1966	Types of Meaning recognised in Indian Aesthetics in a comparative light
8 Prof. J. T. Parikh, Principal, M. T. B. College, Surat	14-2-1966	Shri Harsha and his Stage
9 Dr. Rameshwar Lal Khandelwal, Prof. and Head, Department of Hindi, Sardar Vallabh Vidyapeeth, Vallabh Vidyanagar	19-2-1966	The Literary Personality of Jayshankar Prasad
10 Prof. S. G. Tulpule, Head, Department of Marathi, University of Poona, Poona	28-2-1966	શ્રી જ્ઞાનેશ્વરી
11 Principal S. V. Dandekar, Poona	2-3-1966	Life and Teachings of Shri Jnan- deva
12 Prof. D. K. Garde, Poona University, Poona	2-3-1966	Advanced Political Theory
Faculty of Science		
1 Prof. Clark, Visiting Professor, Summer Insti- tute in Physics, Gujarat University, Ahmedabad	29-6-1965	P.S.S.C. and Particle model of light
2 Dr. A. L. McClellan, California Research Cor- poration, California (U.S.A.)	9-7-1965	N.M.R. Studies on Hydrogen bonding
3 Mr. Heinz Saeder, Insti- tute for Genetics, Uni- versity of Cologne, West Germany	9-8-1965	Some aspects of molecular biology: Enzyme regulation
4 Dr. Rohit Parikh, Punjab University, Chandigarh	9-8-1965	Consistency of the continuous Hypothesis
5 Prof. R. N. Sureshwala, Bombay	28-8-1965	The Deccan Petrology

	<i>Name of the Lecturer</i>	<i>Date</i>	<i>Subject</i>
6	Prof. V. G. Bhide, Professor of Physics, Institute of Science, Bombay	28-8-1965	Mossbauer Effect
7	Prof. M. S. Krishnan, Ex-Director, Geological Survey of India, Calcutta	1-9-1965	The Tectonic features of India
8	Dr. V. S. Vyas, Director, Agro. Economics Centre, Vallabh Vidyanagar	4-9-1965	Fourth Five Year Plan
9	Prof. D. V. Gogate, Professor of Physics, Holkar College, Indore	5-9-1965	Heat Transfer in Boiling Liquids
10	John Boyle, Medical Research Council, Microbial Genetics, Research Unit, Hammersmith Hospital, London-12	22-9-1965	Landmarks of molecular Biology
11	Prof. L. K. Ramchandran, Department of Biochemistry, Osmania University	24-9-1965 25-9-1965	Protein Chemistry
12	Dr. M. McDwift, F.A.O., New Delhi	27-9-1965 28-9-1965	Food Microbiology
13	Dr. N. C. Ghosh, Principal, Scientific Officer, Defence Institute for Physiology and Allied Sciences, Madras	27-9-1965 28-9-1965	Ascorbic Acid
14	Prof. Kalyan Bagchi, Nutritional Adviser, Office of Director General of Health Services, Ministry of Health, New Delhi	29-9-1965 30-9-1965	Nutrition
15	Dr. Radhakrishnan, Biochemistry Department, Christian Medical College, Vellore	29-9-1965 30-9-1965	Amino Acids

	<i>Name of the Lecturer</i>	<i>Date</i>	<i>Subject</i>
16	Dr. P. N. Joshi, Head, Biochemistry Department, Poona University, Poona	29-9-1965 30-9-1965	Column Chromatography
17	Dr. R. D. Desai, Principal, M. G. Science Institute, Ahmedabad	5-10-1965	Refrachor
18	Prof. J. V. Bhatt, Professor and Head of Fermentation Technological Laboratory, Indian Institute of Science, Bangalore-2	15-11-1965	Role of Micro-organisms in Industries
19	Shri B. K. Raja Rao, Director, S.Q.C. Unit, Indian Statistical Institute Branch, Bombay	25-11-1965	Statistical Methods in Industry
20	Prof. L. Weiskrantz, Psychology Laboratory, Cambridge University, Cambridge	25-11-1965 26-11-1965 27-11-1965	Animal Neuropsychology and Brain Behaviour
21	Dr. Atma Ram, Director, Central Glass and Ceramic Research Institute, Calcutta	27-11-1965	Optical Glass
22	Dr. Parekh, Chief of Canning Division, Catering Institute, Delhi	30-11-1965	Canning and Fruit Preservation
23	Dr. O. Siddiqui, Tata Institute of Fundamental Research, Colaba, Bombay-5	2-12-1965	Genes and Proteins
24	Dr. O. Siddiqui, Molecular Biologist, Tata Institute of Fundamental Research, Colaba, Bombay-5	3-12-1965 4-12-1965	Synthesis of Proteins Regulations of Protein synthesis



50

Name of the Lecturer	Date	Subject
25 Dr. S. M. Mukherji, Head, Department of Chemistry, Kurukshetra University, Gorakhpur	4-12-1965	Steric Effect in Cyclialkylaton
26 Dr. M. D. Karkhanawala, Chemistry Division, Atomic Energy Establishment, Bombay	11-12-1965	Some aspects of Solid State Chemistry
27 Dr. C. G. Khatri, Reader in Statistics, Gujarat University, Ahmedabad	13-12-1965	Multivariate Analysis
	14-12-1965	
	15-12-1965	
	16-12-1965	
	17-12-1965	
18-12-1965		
28 Dr. K. V. Vasavada, Maryland University, U.S.A.	16-12-1965	Elementary Particle Physics
29 Prof. R. S. Krishnan, Professor and Head, Department of Physics, Indian Institute of Science, Bangalore-12	21-12-1965	Lasers and their applications
30 Shri G. Hariharan, Officer-in-Charge, S.R.C. Unit, Indian Institute of Science Baroda Branch	21-12-1965	Fundamental Concepts of Reliability
31 Shri T. P. Lele, I/c. Head, Department of Education, Faculty of Education and Psychology	22-12-1965	Applications of Statistics in Education
32 Dr. Ramdas, Chief Nutrition Project, UNICEF House, New Delhi	11-1-1966	Applied Nutrition
	12-1-1966	
33 Shri S. P. Jain, Director, Demographic Training and Research Centre, Bombay	17-1-1966	Certain Statistics of Demographic Pattern of India
	17-1-1966	Sampling Methods in Demography

51

Name of the Lecturer	Date	Subject
34 Professor P. G. Deo, Head of the Department of Applied Science, Punjab Engineering College, Chandigarh	27-1-1966	Strength of Solids
35 Shri G. Hariharan, Officer-in-Charge, S. R. C. Unit, Indian Institute of Science, Baroda Branch, Baroda.	27-1-1966	Statistical quality control in Industries
36 Prof. N. V. Subba Rao, Head, Department of Chemistry, Usmania University	28-1-1965	Oxygen Heterocyclics from Plant Insecticides
	29-1-1966	
37 Dr. G. P. Kalle, Biology Division, Atomic Energy Establishment, Bombay	28-1-1966	Gene Structure
	29-1-1966	Gene Mutation
	30-1-1966	Gene Expression and its regulations
38 Prof. Somakumar, V. P. Chest Institute, University of Delhi, Delhi	31-1-1966	Lipids
	1-2-1966	
39 Dr. P. D. Mistry, Prof. of Meteorology Agricultural College, Anand	4-2-1966	Micrometeorology (2 Lectures) (i) Atmospheric Radiation near ground (ii) Evapora Transpiration
	5-2-1966	
40 Mrs. Greta James, Principal Lecturer in Geography, Maria Grey College of Education, Twickenham. Middlesex, U. K.	7-2-1966	Weather Forecasting the contribution of Geography to modern educational thinking
	10-2-1966	The Place of local studies in the Geographical curriculum
	11-2-1966	The Method of the Sample Study in Geography
	11-2-1966	Can the study of Geography help us to understand each other ?
41 Prof. A. B. Kulkarni, Head, Department of Chemistry, Institute of Science, Bombay	16-2-1966	Synthesis of hydronaphthacenes and their stereo-chemistry
	16-2-1966	Synthesis of substituted Flavanes and their stereo-chemistry

Name of the Lecturer	Date	Subject
42 Prof. R. C. Mehrotra, Head, Department of Chemistry, University of Rajasthan	17-2-1966	Alkoxides of elements
	17-2-1966	Metallic Soaps
	18-2-1966	Graham's salt and its complex derivatives
43 Prof. J. H. Quastel, McGill Unit of Cell Metabolism, McGill Uni- versity, Canada	18-2-1966	Adsorption Indicators
	22-2-1966	Molecular transport of Cell Membrane
	23-2-1966	Chemical control of cell metabolism and function
44 Dr. C. P. Nair, Deputy Director of the W. H. O. Centre, Baroda	3-3-1966	Filariasis in India
45 Professor P. C. Sinha, Chemistry Department, Magadh University, Patna	4-3-1966	Some aspects of the Chemistry of Boron
46 Dr. S. S. Prabhu, Head, Division of Animal Gene- tics of Indian Veterinary Research Institute, Izat- nagar	12-3-1966	Some problems in Animal Husbandry
47 Dr. M. R. S. Iyengar, Alembic Chemical Works Ltd., Baroda	16-3-1966	Current trends in antibiotic production
	17-3-1966	
	18-3-1966	

Faculty of Commerce

1 Shri V. R. Cirvante	16-12-1966	India's Balance of Payments
	17-12-1965	
	18-12-1965	
2 Dr. S. M. Shah	22-1-1966	Land reform and Agricultural Investments
	14-2-1966	
3 Dr. M. C. Munshi	15-2-1966	Public Sector and Economic Growth
4 Dr. V. S. Vyas	17-2-1966	Current Food Policy-need for a reappraisal
5 Shri S. P. Patel	21-2-1966	Indian Railways

Faculty of Technology and Engineering

Name of the Lecturer	Date	Subject
1 Dr. P. R. Talati, Dilaram Bungalow, Race Course Road, Baroda	8-10-1965	1 Chemistry of Soil and in particular types of bonds in Clay
	9-10-1965	2 Chemistry of Soils and in particular crystals structure of silicate minerals
2 Prof. G. Wayne Brown, I. I. T. Kanpur	16-11-1965	1 Random Vibrations
	17-11-1965	2 Determination of Dynamic Modulus of elasto-viscous materials
3 Shri A. N. Oak, C/o. Kirloskar Oil En- gines Ltd., Poona	2-12-1965	Experimental Stress Analysis
	3-12-1965	
4 Shri S. V. Shastri, C/o. Kirloskar Oil Engines Ltd., Poona	2-12-1965	Experimental Techniques in I. C. Engine Research
	3-12-1965	
5 Shri H. P. Oza, Director, Engineering Research In- stitute, Baroda	6-12-1965	Foundation Engineering
	7-12-1965	
6 Shri F. C. Kohli, Tata Hydro Co., Bombay	10-12-1965	System Planning and Power Control on inter-connected power systems
7 Dr. G. T. Wadekar, Chief Research Officer, Central Water and Power Research Station, Poona-4	10-12-1965	1 High Velocity flow in open channel transitions 2 Cavitation
	11-12-1965	
8 Prof. A. H. Gadre, Prof. of Applied Mecha- nics, College of Engg., Poona	10-12-1965	Electronic Computers
	11-12-1965	
9 Professor S. C. Goyal, Dean, Faculty of Engi- neering, M.B.M. Engi- neering College, Jodhpur	10-12-1965	Plastic Theory in Steel
	11-12-1965	
	12-12-1965	
10 Dr. P. S. Mane, Director, Laxminarayan, Nagpur	13-12-1965	Recent trend in Chemical Engineering
	14-12-1965	

Name of the Lecturer	Date	Subject
11 Shri M. W. Lalchandani, Consulting Engineer, 13, Alkapuri, Baroda	14-12-1965	1 Some aspects of Centrifugal pumps design 2 Time Study in the Machine Shop
12 Dr. C. S. Shah, Asstt. Professor, Birla Vishvakarma Mahavidya- laya, Vallabh Vidyanagar	15-12-1965	Gas Turbine (Matching of com- ponents)
13 Dr. Gross, Dean, School of Architecture, Pratt In- stitute, U.S.A.	16-12-1965	Education in America
14 Shri S. H. Parelkar, Architect, Bombay	13-1-1966 15-1-1966	Valuation
15 Prof. G. N. Desai, Deptt. of Applied Mecha- nics, Regional Engg. College, Surat	28-1-1966 29-1-1966	1 Choice of Structural materials 2 Requirements of a Structure
16 Prof. B. M. Jani, Professor and Head of Structural Engineering Department, Vallabh Vidyanagar	28-1-1966 29-1-1966	Comparative study of concrete mixture design
17 Professor B. M. Tareev, Expert in Electrical Engi- neering Materials, C/o. Indian Institute of Tech- nology, Powai, Bombay	17-2-1966 18-2-1966	Some aspects of Electrical En- gineering Materials
18 Prof. M. P. Filimonov, Expert in Furnace Design, C/o. Indian Institute of Technology, Powai, Bombay	17-2-1966 18-2-1966	Some aspects of Furnace Design
19 Mr. R. B. Lamb, Adviser to Structural Engineering Works Ltd., Bombay	22-2-1966	Power Plant Engg. Developments

Faculty of Home Science

1 Ramesh Kothari	9-8-1965	1 Child and its aspects
	10-8-1965	2 Practices with materials

Name of the Lecturer	Date	Subject
	16-8-1965	3 Demonstration in Crafts
	17-8-1965	4 Children's Songs and their Techniques
	23-8-1965	5. Practices
	24-8-1965	6. Elements of Music
	2-9-1965	7. Story telling techniques
	3-9-1965	8. Demonstration on Dramatiza- tion
2. Dr. Kamala Bhoota, Head, Department of Child Development, S.N.D.T., Bombay	11-12-1965	Teaching in Elementary grades
3. Dr. K. S. Prabhachandra Jain, Director of Psycho- logical Education and Remedial Services, Ahmedabad	19-12-1965	Integration of Psychological and Sociological studies in handling problem children
4. Dr. Herbert W. Butt, Principal, Extension Training Centre, Nilo- kheri	9-12-1965	The kinds of problems faced in Planning and Implementing a train- ing Program for Extension Workers in India and ways of solving them through Research
5. Mrs. M. M. Desai, Head of the Family and Child Welfare, Tata In- stitute, Bombay	11-1-1966	Family Inter-relationship with special reference to Indian con- ditions
6. Mrs. Sita Basu, Sr. Lecturer in Field Work Supervisor, Delhi	22-1-1966	Emotional Needs of children (3 to 6 years) Role of Parents
7. Dr. Margaret Naine, Head of the Rural Exten- sion, Lady Irwin College, New Delhi	24-1-1966	Personality as a component part of the Family Department
8. Dr. A. V. Shanmugam, Research Assistant Pro- fessor, Institute of Com- munication] Research, Mysore	27-1-1966 28-1-1966	Verbal behaviour and learning

Name of the Lecturer	Date	Subject
9. Dr. D. Paul Chaudhari, Project Officer, Central Social Welfare Board, New Delhi	17-2-1966	Integrated Child Welfare Program
10. Dr. P. M. Udani, Director, Pediatrics Centre, J. J. Group of Hospital, J. J. Hospital, Bombay-18	19-3-1966	Physical Growth of Indian Infants
Faculty of Social Work		
1 Mrs. Virginia Baumgust- ner, C/o. Director, USIS	28-8-1965	Social Security programmes in the U.S.
	29-8-1965	Implications of War on poverty programme in U.S.A. vs. similar problems in India
2 His Holiness Swami Chin- mayanand	1-9-1965	Religion and Social Work
3 Mrs. Helen Rinartz, Federal Republic of Germany	15-12-1965	Impart of Industrialization and Family Life in Germany
4 Dr. (Miss) P. Vakharia	23-12-1965	Problems of Youth
5 Mr. Peter Hadge, London School of Economics and Political Science, London	14-2-1966	Social Work Education in U.K.
6 Dr. Saiyid Zafar Hasan, Professor and Head of the Department of Sociology and Social Work, Luck- now University, Lucknow	28-2-1966	Scope of Public Welfare Services in India
	1-3-1966	Social Welfare Administration
	2-3-1966	Social Work Research
7 Prof. Sugata Das Gupta, Associate Director, Gandhian Institute of Studies, Varanasi	7-3-1966	Philosophy of Community Deve- lopment in India
	8-3-1966	Application of the principles of Community Organisation Process to Community Development (Workshop meeting).
	9-3-1966	
	10-3-1996	Gandhian Concept of Social Work

2. Deputation to Conferences

The following members of the University Staff were deputed to attend Conferences, Seminars, etc. shown against their names as delegates of the University during the year.

Name of the members of the staff	Name, place and dates of the Conference, Seminar etc.
Shri K. K. Thakore, (Faculty of Technology and Engineering)	All India Seminar on Youth and Co-operation at Bangalore in the last week of April, 1965
Dr. J. S. Dave, Dr. V. V. Modi, (Faculty of Science)	Convention of the Research Fellows and Investigators in-charge of the Chemical Research Committee of the C. S. I. R. at Aligarh, from 7th to the 9th May, 1965
Professor G. G. Dadlani, Shri S. R. Yardi, (Faculty of Social Work)	Seminar of the Association of Schools of Social Work in India at Udaipur, from 9th to 16th May, 1965
Dr. C. P. Shukla, (University Library)	15th All India Library Conference at Mysore, from 17th to 19th June, 1965
Dr. T. V. Patel, Dr. V. G. Patel, (Faculty of Medicine)	Conference of the All India Obstetricians and Gynaecologists at Bombay, from 16th to 19th July, 1965
Shri T. P. Lele, Shri S. C. Parikh, (Faculty of Education and Psychology)	Conference on "Demand and Supply of Science Teachers in Schools of Gujarat" at Vallabh Vidyanagar, on 5th September, 1965
Shri H. C. Mehta, (Sanskrit Mahavidyalaya)	8th Session of the Sanskrit Parishad at Bangalore, from 10th to 12th September, 1965
Shri J. P. Thaker, (Oriental Institute)	"
Dr. (Kumari) S. H. Trivedi, (Faculty of Arts)	"
Smt. M. M. Amin, (Faculty of Education and Psychology)	Conference of Educationists interested in Teaching of English in Secondary School sub-committee meeting, Vallabh Vidyanagar, on 10th October, 1965
Professor N. M. Bhatt,	Second All Gujarat Mathematics Conference Billimora, on 3rd and 4th November, 1965
Professor U. N. Singh,	"
Dr. M. S. Patel,	"
Shri C. C. Shah,	"

<i>Name of the members of the staff</i>	<i>Name, place and dates of the Conference Seminar etc.</i>
Shri R. C. Patel,	Second All Gujarat Mathematics Conference, Billimora, on 3rd and 4th November, 1965
Shri N. M. Patel,	"
Shri V. M. Shah,	"
Shri K. M. Dave,	"
Shri Ranchhodbhai Patel,	"
Shri S. N. Shah,	"
Shri G. V. Shah,	"
Shri S. R. Aggarwal,	"
Shri G. B. Patel,	"
Shri K. P. Joshi, (Faculty of Science)	"
Shri K. M. Sharma, S.E.O. Tr. Centre	Seminar on Family Planning, Ahmedabad, from 3rd to 5th November, 1965
Smt. Indira Bhanot, (Faculty of Science)	Seminar on Demographic Research Surveys at Poona, on 29th and 30th November, 1965
Dr. B. G. Desai, General Education Department,	All India Seminar on Youth and Co-operation, New Delhi, from 3rd to 5th December, 1965
Professor G. G. Dadlani, Shri I. P. Shelat, (Faculty of Social Work)	National Seminar on Urban Community Development, Ahmedabad, from 20th to 22nd December, 1965
Professor C. V. Ramkrishnan, Dr. V. V. Modi, Dr. A. M. Talati, Shri V. N. Mistry, (Faculty of Science)	Annual Convention of the Indian Chemical Society and C.S.I.R., Aligarh, from 25th to 29th December, 1965
Dr. B. P. Lulla, (Faculty of Education and Psychology)	40th All India Education Conference, Allahabad, from 25th to 30th December, 1965
Dr. K. N. Trivedi, (Faculty of Science)	Joint Convention of Indian Chemical Society and Chemical Research Committee, Aligarh, from 25th to 29th December, 1965
Professor U. N. Singh, Shri O. P. Goyal, (Faculty of Science)	31st Conference of the Indian Mathematical Society, Jaipur, from 24th to 26th December, 1965
Shri D. J. Mehta, Shri J. Y. Diwanji, (Faculty of Commerce)	19th Annual Session of the Indian Commerce Association, Vallabh Vidyanagar, from 27th to 29th December, 1965

<i>Name of the members of the staff</i>	<i>Name, place and dates of the Conference, Seminar etc.</i>
Dr. O. D. Gulati, (Faculty of Medicine)	Annual Conference of Physiologists and Pharmacologists of India, Lucknow, from 27th to 29th December, 1965
Dr. K. N. Naik (Faculty of Commerce)	Third All India Convention of the Heads of Commerce Department of Indian Universities, Vallabh Vidyanagar, on 28th to 29th December, 1965
Shri R. L. Gandhi, Shri S. N. Pandya, (Faculty of Technology and Engineering)	Symposium on water pollution control, Nagpur, from 28th to 30th December, 1965
Shri R. N. Mehta, Shri E. L. Rodrigues, Shri C. K. Sheshadri, (Faculty of Arts)	16th Session of the All India English Teachers' Conference, Calcutta, from 28th to 30th December, 1965
Dr. V. N. Kothari, (Faculty of Arts)	The 48th Indian Economic Conference at Banaras, from 29th to 31st December, 1965
Dr. S. C. Misra, (Faculty of Arts)	Indian History Conference, Allahabad, from the 29th to 31st December, 1965
Professor S. C. Dholakia (Faculty of Law)	7th All India Law Teachers' Conference, Ernakulam, Kerala, on 30th and 31st December, 1965
Dr. S. Srikanthiah (Faculty of Commerce)	9th Annual Conference of the Indian Society of Labour Economics, Varanasi, in the last week of December, 1965
Dr. M. B. Desai (Faculty of Arts)	25th Indian Agricultural Economic Conference at Allahabad, in the last week of December, 1965
Professor C. C. Mehta (Music College)	23rd Session of Gujarat Sahitya Parishad, Surat, in the last week of December, 1965
Dr. R. M. Patel (Faculty of Arts)	
and Dr. S. D. Parekh (Oriental Institute)	
Dr. M. M. Patel (Faculty of Science)	Convention of Spectroscopists at Chandigarh, on 2nd January, 1966

Name of the members of the staff	Name, place and dates of the Conference, Seminar etc.
Professor N. M. Bhatt Professor A. R. Chavan Professor N. S. Pandya Professor U. N. Singh Dr. A. R. Mehta Dr. M. S. Patel Shri M. L. Gupta Shri P. H. Dave (Faculty of Science) Dr. A. S. Patel (Faculty of Education and Psychology)	Indian Science Congress Session at Chandigarh, from 3rd to 9th January, 1966 " " " " " "
Dr. (Smt.) N. B. Swami (Faculty of Medicine)	All India Obstetric and Gynaecological Conference at Patna, from 15th to 17th January, 1966
Dr. M. N. Shah (Faculty of Medicine)	41st Joint Annual Conference of Association of Physicians at Gwalior, from 27th to 31st January, 1966
Professor S. M. Sen Professor O. H. Patel Professor S. G. Advani (Faculty of Technology and Engineering)	Annual Meeting of Institution of Engineers (India) at Patna, from 29th January to 5th February, 1966
Professor L. B. Shah (Faculty of Technology and Engineering)	25th Annual Conference of the Association of Principals of Technical Institutions (India) at Delhi, from 11th to 13th February, 1966
Shri Y. D. Kelkar (Music College)	Seminar arranged on behalf of the National School of Drama at New Delhi, from 21st to 24th February, 1966.
Dr. J. R. Pandya (Faculty of Science)	Symposium on Nuclear Physics and Solid State Physics at Bombay, from 21st to 26th February, 1966

3. U.G.C. Travel Grants

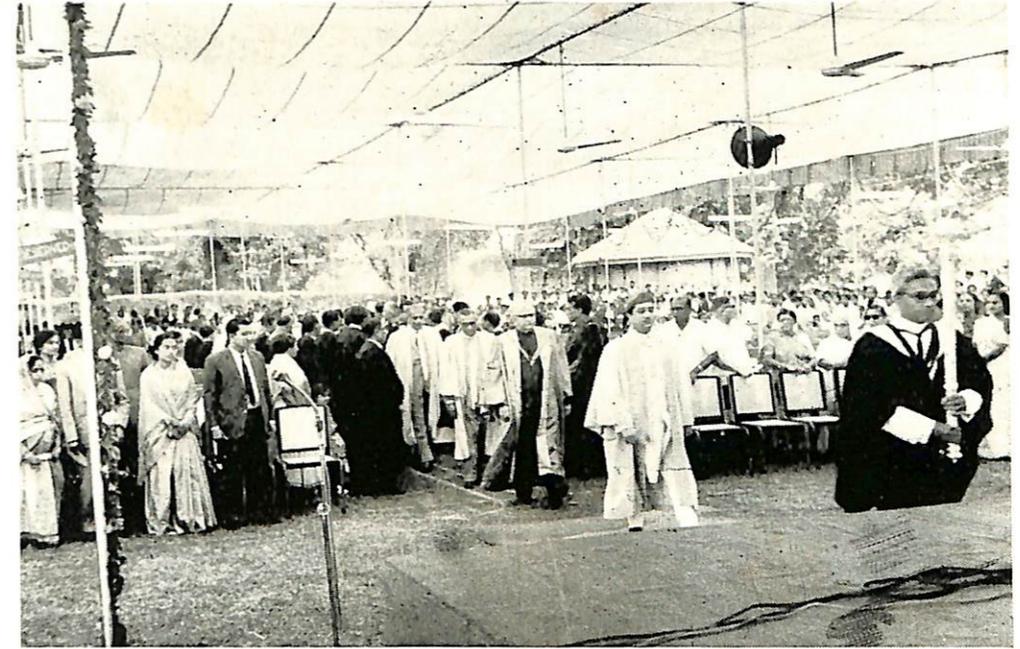
The University Grants Commission allocated an amount of Rs. 8,000/- to the University for the purpose of awarding travel grants to the teachers, research scholars and technical staff of the University for research, higher training,

acquisition of technical knowledge, etc. at different research centre, laboratories, centres, universities etc. in India.

The following teachers and scholars were awarded the travel grants:

Sr. No.	Name of the Teacher/Scholar	Place and purpose of the award	Number of days
1	Dr. A. N. Jani, Reader in Sanskrit	To consult a rare manuscript of Sahitya Vidyadhari commentary on the Naiṣadhiyacaritam at the Anup Sanskrit Library at Bikaner	40
2	Shri A. P. Rana, Reader in Political Science	Research on 'India's policies in the U.N. relating to Disarmament and the control of Atomic Energy at the Indian Council of World Affairs, New Delhi	11
3	Shri R. N. Mehta, Reader in English	Training and experience in Phonetics and Grammar of English at the Central Institute of English, Hyderabad	21
4	Dr. V. K. Chavada, Lecturer in History	Research work on 'Colonel Alexander Walker' at the National Archives of India, New Delhi	15+11
5	Kum. S. G. Munshi, Lecturer in Marathi	To study the literature on Short Plays and One-Act Plays in Marathi at the Bombay Marathi Granth Sangrahalaya	20
6	Shri R. S. Mehta, Lecturer in Agricultural Economics	Research on Finance, Farm Resources and Organisations at the Department of Economics, Bombay University	27
7	Shri A. J. Patel, Assistant Lecturer in Archaeology	Research on Brahmanical Iconography of Gujarat at the Directorate of Archaeology and Museums at Rajkot	30
8	Shri K. M. Shah, Research Scholar in Hindi	To consult manuscripts on Maharana Lakhpatisingh at Ahmedabad, Patan, Jodhpur, Bikaner, Songadh and Jamnagar	25
9	Shri S. D. Sabnis, Lecturer in Botany	Consulting the Library and the Herbarium at the St. X'avier's College, Bombay	14

<i>Sr. No.</i>	<i>Name of the Teacher/Scholar</i>	<i>Place and purpose of the award</i>	<i>Number of days</i>
10	Shri Jayachandra, Research Scholar in Botany Department	Research work in the environs of Poona and Laboratory work on Phytoecology at the Department of Botany, Poona University	30
11	Shri R. M. Dave, Reader in Civil Engineer- ing	Study of the latest research tech- niques in Hydraulics at the Irriga- tion Research Institute, Roorkee	10
12	Shri R. N. Choksi, Lecturer in Civil Engi- neering	(i) Study of the latest routine techniques in the field of Highway Engineering at the Highway Research Station at Madras	15
		(ii) Study of the latest develop- ment in the Planning, design and construction of Build- ings at the Central Research Institute, Roorkee	10
13	Shri V. C. Shah, Lecturer in Civil Engi- neering	Visit to the Bituman Laboratory of the Burmah Shell Co. and the ESSO Laboratory of Asphalt Re- search, Bombay	3
14	Shri N. R. Parikh, Lecturer in Applied Mechanics	Training in Chemistry of Soils at the Indian Institute of Techno- logy, Powai	15
15	Shri K. P. Dabke, Lecturer in Electrical Engineering	Higher Training in Testing and Safety Procedures in High Voltage Laboratory at the Indian Institute of Science, Bangalore	31
16	Kumari Anjani C. Patel, Lecturer in Child Devel- opment	Training and experience in Post- graduate teaching and research in field of public health	10
17	Kum. Indira M. Patel, Reader in Social Work	To participate in ' Training Labora- tory for Managers and Training Staff' at Aloka Vihar, Hyderabad	12



The Senate Procession in the Convocation Pandol

CHAPTER VIII—FACULTY OF ARTS

1. Courses of Study

There was provision for the following courses during the year :

- | | |
|---------------------------------|--|
| (1) B.A., M.A. and Ph.D. | Archaeology and Ancient Indian Culture, Economics, English, Gujarati, Hindi, History, Marathi, Philosophy, Political Science, Psychology, Sanskrit and Sociology |
| (2) B.A. and M.A. | Persian |
| (3) B.A. (Sub.) and M.A. (Sub.) | Linguistics, Pali, Prakrit and Urdu |
| (4) B.A. (Sub.) | Education, Mathematics and Statistics |
| (5) Post-graduate Diploma | Library Science |
| (6) Diploma | German and Russian Languages |
| (7) Certificate Courses | French, German and Russian Languages |

2. Number of Students

The number of students enrolled in the various classes at the commencement of the year 1965-66 was as under :

<i>Class</i>	<i>Men</i>	<i>Women</i>	<i>Total</i>
(1) Certificate course in German Language	135	8	143
(2) Certificate course in French	20	10	30
(3) Certificate course in Russian	20	3	23
(4) Diploma course in German	20	11	31
(5) Diploma course in Russian	—	—	—
(6) F.Y.B.A.	196	253	449
(7) S.Y.B.A.	185	164	349
(8) T.Y.B.A.	182	173	355
(9) Diploma in Library Science	9	5	14
(10) Jr. M.A.	80	38	118
(11) Sr. M.A.	68	45	113
(12) Ph.D.	7	2	9
Total	922	712	1,634

3. Staff

During the year the staff of the Faculty consisted of 7 Professors, 17 Readers, 48 Lecturers, 13 Assistant Lecturers, 4 Part-time Teachers, 1 Curator, 1 Excavation Assistant, 19 Class III (including technicians) and 20 Class IV employees. The teachers of the Faculty also carry out assignments in other Faculties and Institutions where Humanities and Social Sciences are included in their courses.

4. Library

Some Departments maintain small departmental libraries with books loaned from the Shrimati Hansa Mehta Library. The students and staff of the Faculty make use of the Shrimati Hansa Mehta Library, which is on the premises. The Faculty Central Hall is being used as an annexe of the University Library.

5. Museum, Laboratory, Studios, Workshops, etc.

The following is the statement of the cost of equipments:

Sr. No.	Item	Cost of equipment as on 1-4-1965 Rs.	Cost of equipment written off during the year Rs.	Cost of equipment added during the year Rs.	Cost of equipment as on 31-3-1966 Rs.
(1)	Museum	4,533-98	—	—	4,533-98
(2)	Studios	15,320-40	—	—	15,320-40
(3)	Excavation equipment	1,622-05	—	—	1,622-05
(4)	Drawing equipment	1,806-75	—	—	1,806-75
(5)	Dead Stock	52,574-24	—	699-33	53,273-57
(6)	U.G.C. (N.R.) Equipments	77,834-57	—	—	77,834-57
		1,53,691-99	—	699-33	1,54,391-32

6. Publications by the Members of the Staff.

The following were the publications by the members of the staff of the Faculty during the year 1965-66:

(1) Books

Sr. No.	Name	Title	Name of the Publishers
1.	Professor R. N. Mehta and Dr. S. N. Chowdhary	Excavation at Devanimori	M. S. Uni. Archaeology and Ancient History, Series No. 8, 1966
2.	Dr. L. S. Venkatramanan	The Theory of Futures Trading	Asia Publishing House, Bombay, 1965
3.	V. K. Chavda	Gaekwads & the British: A Study of their problems: 1875 to 1920	University Publishers Jullundar/Delhi, February, 1966
4.	Dr. R. D. Parikh	Press and Society—A Sociological Study	Popular Prakashan, Bombay, Nov., 1965

Sr. No.	Name	Title	Name of the Publisher
5.	Dr. R. M. Patel	(i) परिमल (ii) Our National Anthem (iii) Life & Works of Tagore	Chetna Press, Baroda, 1965 Akhil Hind Prakashan, Ahmedabad Acharya Book Depot, Baroda
6.	Dr. Y. J. Tripathi	हुदयोभि (काव्यसंग्रह)	February, 1965
7.	Dr. S. H. Joshi	(i) History of American Literature (Translation) (ii) जीवनना पत्र	Vora & Sons, Bombay, 1965 Swati Prakashan, Bombay, August, 1965
8.	Shri D. D. Mahulkar	Problems in English Language Programming	Good Companions, Baroda, June, 1965

(2) Articles or Papers

Sr. No.	Name	Title	Name of the Journal wherein published
1.	Professor R. N. Mehta	(i) Kaumarika Khanda —A study (ii) પાદરા તાલુકાના સ્થળનામે (iii) વાલીયા તાલુકાના ભમડીયા અને જયુગામની પુરાવસ્તુઓ (iv) કોમારિકા ખંડ અને ખંભાત (v) ધોળકાનું મલાવ તળાવ (vi) તારાપુરની દે'તકથાઓ અને પુરાવસ્તુઓ (vii) Gujarat—A historical background (A) Ancient Period (viii) Chronology of the Buddhist Stupa at Devanimori	Journal of the M.S.U. XIV, 1 April, 1965 Vidyapeeth, Nov.-Dec., 1965. Vidyapeeth, May-June, 1965 Swadhyaya, Vol. II, No. 4 Swadhyaya, Vol. III, No. 1 Swadhyaya, No. 2 Appendix I. i. Census Report, Guj. State. Journal of the Oriental Institute, Baroda. XIV. 3-4 March-June, 1965
2.	Dr. S. C. Malik	Excavation of a microlithic mound at Devanimori	Excavation at Devanimori Report, M. S. University Archaeology & Ancient History Series No. 8, Baroda, 1966.

Sr. No.	Name	Title	Name of the Journal wherein published
3.	Dr. (Mrs.) D. R. Shah	(i) Identification of footprints of animal found on the bricks from Devanimori	Excavation at Devanimori Report, M. S. University Archaeology & Ancient History Series No. 8, Baroda, 1966
		(ii) Shell remains from the excavation at Chandoli	Chalcolithic Chandoli, Deccan College, Series No. 39, Poona, 1965
4.	Dr. K. T. M. Hegde	Studies in Copper objects recovered from chalcolithic levels at Chandoli	Chalcolithic Chandoli, Deccan College, Series No. 39, Poona, 1965
5.	Shr A. J. Patel	(i) Potters and Earthen wares in Gujarat	Journal of the M. S. University, Baroda
		(ii) દેવના ધોડા	Kumar, Ahmedabad
		(iii) વાસણોનો વિકાસ	Kumar, Ahmedabad
6.	Professor M. B. Desai	(i) Rural Industrial Relations : An analysis with reference to Gujarat	Khadi Gramodyog Journal of Khadi & Village Industries Commission, May, 1965.
		(ii) Organisation and working of Village Industries Co-operatives	do August, 1965
		(iii) Setting for a Food-grain Price Policy	do November, 1965
7	Professor M. B. Desai	(i) Co-operative Farming (Gujarati)	Gram Swarajya, Journal of the Gujarat State Co-operative Union, April-May-June, 1965
		(ii) Cooperation—A Democratic Agency of Change	Journal of Gujarat Research Society, 1965
8	Professor I. S. Gulati	Long-term Planning of the Budget	Indian Economics Journal, October, 1965

Sr. No.	Name	Title	Name of the Journal wherein published
9	Dr. J. C. Sandesara	Size, Technology & Economics—A Study of the Indian Cotton Textiles Industries	The Economic Weekly, Bombay, July, 1965
10	Dr. V. N. Kothari	(i) Note on Economic Distance between Nations	Economic Journal, London, September, 1965
		(ii) Repoorteur's Report 'on Investment in Human Resources'.	Conference Number of the Indian Economic Association, December, 1965
11	Professor S. C. Misra	(i) Rajkot District : Medieval and Modern History	Gujarat District Gazetteers : Rajkot
		(ii) Gujarat : A Historical Background	Census of India 1961, Report, Gujarat
12	Dr. V. K. Chavda	Gujarat : A Historical Background—Modern Period	do
13	Shri A. P. Rana	(i) Communist China's Foreign Policy—An Indian View	The Journal of the M. S. University, Baroda, April, 1965. Humanities Number
		(ii) The United Nations and management of Atomic Energy 1946-48	Poli. Sc. Review, Uni. of Rajasthan, October, 1965
		(iii) The nature of India's Foreign Policy: An Examination of Indian Non-Alignment in relation to the concept of the balance of power in the Nuclear Age.	Indian Quarterly (The Indian Council of World Affairs, New Delhi, January-March, 1966
14	Professor I. P. Desai (with Dr. M. S. Gore)	A scope of Sociology of Education	Sociology of Education

Sr. No.	Name	Title	Name of the Journal wherein published
15.	Dr. K. C. Panchanadikar	Indian Society—its evolution and historical progress	Souvenir Volume of the Indian Association of Experiment in International living, New Delhi, August, 1965
16.	Dr. R. D. Parikh	Non-urban Graduates in Gujarat (A report)	U.G.C. and the Gujarat University
17.	Dr. A. G. Javadekar	(i) The Vedanta Theory of Value	M. S. University Journal, Humanities, No. 1965
		(ii) Spiritual value and education	Education and Psychology Journal, July, 1965
		(iii) Karma and rebirth	Hindu Vishva Souvenir No. of Vishva Hindu Parishad, Allahabad, 1966
18.	Kumari S. H. Divetia	National Integratia	'Shakti'—Hindustan Times, August, 1965
19.	Professor V. Y. Kantak	(i) The Stage image in Shakespeare	Journal of the Indian Asson. of English Studies, 1965
		(ii) Modern Assessment of Romantic Poetry	The literary criterion, 1965
		(iii) Shakespeare's tragic view of life	Writing in India P.E.N., 1965
		(iv) Shakespeare's Dramatic Design	Journal of the Gujarat University, 1965
20.	Shri E. L. Rodrigues	The Sound and the Fury	The Literary Criterion, December, 1965
21.	Shri C. K. Sheshadri	Indian English	Journal of the M. S. University, June, 1965
22.	Dr. A. N. Jani	(i) Some fresh light on the personal History of Shri Harsha	Journal of the M. S. University Baroda, Vol. XIV. No. 1, April, 1965
		(ii) Sanskrit Research in the West Germany today	Surbharati, Golden Jubilee, Vol., January, 1965

Sr. No.	Name	Title	Name of the Journal wherein published
23.	Dr. S. G. Kantawala	(i) A note on Haitus in Sandhi in the Matsyapurana	Journal of the M. S. University of Baroda, Vol. XIV, No. 1, April, 1965
		(ii) Vishvamitraha	Surbharati, Golden Jubilee No., January, 1966
24.	Dr. S. H. Joshi	ज्ञानमार्गी धारानी केटकीक परि- लापिक संज्ञाये	Swadhyaya
25.	Shri D. D. Mahulkar	Shakespeare's Style and Language	Shakespeare Commemoration Volume, Maharashtra Government

7. Literary, Cultural and other Activities

(1) Many members of the staff contributed articles on academic and popular themes and reviews of important books in outstanding journals delivered public lectures, gave radio talks and were associated with academic, literary and cultural activities in the Faculty, in the city and outside Baroda.

(2) Two members of the staff worked as N.C.C. Officers.

(3) The English Literary Society organized a meeting in the first term to celebrate the Birth Centenary of W. B. Yeats. Professor V. Y. Kantak, Shri R. N. Mehta and Shri Rodrigues spoke on their favourite poems of Yeats.

8. Co-curricular Activities

(1) Debates :

Dr. A. G. Javadekar acted as the convener of the Speaker's Club and guided the students in the art of elocution. The students represented the faculty at the various University Union Debates as well as those conducted by other Universities.

(2) Societies :

The following societies carried on their usual activities during the year. (i) English Literary Society, (ii) Shakespeare Society, (iii) Marathi Literary Society, (iv) U. N. O. Society, (v) Sanskrit Literary Society, (vi) Political Science Society, (vii) Philosophical Society, (viii) German Language Society, (ix) History Association, (x) Gujarati Sahitya Mandal, (xi) Economics Association, (xii) Hindi Sahitya Samiti and (xiii) The Speaker's Club.

Each of these carried out its own programme of symposia and seminar where papers were read by the students and the discussions were held with both the students and the teachers participating in them.

The German Language Society arranged film shows, held discussions for the diploma class students for practising the talking of the German Language and also organized three exhibitions.

(3) *Planning Forum:*

The University planning forum carried out various activities like holding a debate, essay competitions, extension lectures by teachers, study tours, etc.

9. **Other Important Events:**

(1) A condolence meeting to mourn the death of Professor G. H. Bhatt, Head, Ramayana Department, was organised on the 7th July, 1965 by the Sanskrit Department.

(2) The Department of Archaeology and Ancient History arranged an exhibition of the finds from Nagara, Taluka Cambay, District Cambay in August, 1965. It was inaugurated by Dr. Bhanuprasad Pandya, Deputy Minister for Education, Gujarat State.

(3) Under a grant from the University Grants Commission, the Department of English organised a Seminar on the teaching of Compulsory English at the College level, from 28th September to 10th October, 1965.

(4) The Faculty Fair was inaugurated on 19th December by Major General Sharadanand Singh, General Manager of the Gujarat Refinery. An amount of Rs. 1501/- was collected for the National Defence Fund.

(5) The 15th meeting of the Regional Committee (Western Region) of the Research Programme Committee Planning Commission was held at the Department of Agricultural Economics under the auspices of the University on 12th February, 1966, under the Chairmanship of Professor B. R. Gadgil, Director, Gokhale Institute of Politics and Economics, Poona.

(6) Professor M. B. Desai, Head, Agricultural Economics Department has been associated as a Director on the Board of Directors of the State Bank of India, Ahmedabad Circle and as a Chairman of the Advisory Committee for the fixation of minimum wages in Agriculture, Government of Gujarat.

(7) Dr. A. G. Javadekar, Head, Department of Philosophy was awarded the degree of Doctor of Letters by the University of Bombay, for his published work 'Axionetics—Valuational Theory of knowledge'.

(8) Eight students of the Faculty qualified for the award of the Ph. D. degree in this academic year.

CHAPTER IX—FACULTY OF SCIENCE

1. Courses of Studies

There is provision for teaching the following courses :

- (1) B.Sc., M.Sc. Botany, Chemistry, Geography, Mathematics, Geology, and Ph.D. Physics, Statistics and Zoology
- (2) M.Sc. and Bio-Chemistry and Microbiology
Ph.D.
- (3) M.Sc. Applied Geology—One Year's course after M.Sc. Geology
- (4) Pre-Medical One Year's Course after Preparatory Science

2. Number of Students

The number of students on roll in the various classes in the year 1965-66 were as under :

The number of men and women students enrolled in the Faculty during the year :

Class	Men Students	Women Students	Total
Pre-Medical	98	22	120
F.Y. B.Sc.	144	48	192
S.Y. B.Sc.	137	53	190
T.Y. B.Sc.	135	50	185
M.Sc. Pre.	113	27	140
M.Sc. (Final)	92	21	113
M.Sc. Appl. Geology	1	—	1
Ph.D.	49	5	54
Total :	769	226	995

3. Staff

The Staff of the Faculty consisted of 9 Professors, 22 Readers, 58 Lecturers, 62 Assistant Lecturers, Demonstrators and Tutors, 88 Class III and 71 Class IV Servants. The teachers of the Faculty carried out teaching assignments in other Faculties and Institutions of the University, where science subjects are included in their courses e.g. Preparatory Unit, Faculty of Arts, Faculty of Commerce, Faculty of Home Science, Faculty of Technology and Engineering. They also delivered lectures under the General Education Programme, helping the General Education Department. Dr. D. N. Munshi of the St. Xavier's College, Bombay, continued to give during the year a course of lectures on Entomology to M.Sc. Students in Zoology.

4. Library

There is no separate library or reading room for the Faculty of Science, as the University Library—Shrimati Hansa Mehta Library—is situated just near the buildings of the Faculty of Science. Some departments however maintain small departmental libraries with books loaned from the University Library.

The amounts spent during the year for Science books and periodicals etc. were : (i) Rs. 5,000 for Books, and (ii) Rs. 10,000 for periodicals from the Science Faculty Budget, (iii) Rs. 41,938 from the University Grants Commission's grant to the University for books on Scientific subjects and (iv) Rs. 1,000/- for binding from Science Faculty Budget.

5. Museums, Laboratories and Workshop

The Museums of the Botany, Geography, Geology and Zoology Departments were enriched by the addition of specimens and other articles. Progress was made in the work of preparing a herbarium in the Botany Department.

The Central Workshop did useful work during the year in the preparation of research and other apparatus, repairing of instruments and of training Physics post-graduate students in Workshop Practice etc.

Substantial additions of scientific apparatus and equipment were made during the year to the laboratories of the Faculty. The following table gives the cost of equipment in the different laboratories added during the year 1965-66 and the total cost as on 31-3-1966 :

Laboratory	Cost of equipment as on 1-4-1965	Cost of equipment written off during the year	Cost of equipment during the year	Cost of equipment as on 31-3-1966
	Rs.	Rs.	[Rs.	Rs.
Bio-chemistry	3,79,599	—	40,372	4,19,971
Botany	3,86,092	—	14,391	4,00,483
Chemistry	5,02,565	—	49,107	5,51,672
Geography	1,90,834	—	12,432	2,03,266
Geology	2,51,901	—	1,76,069	4,27,970
Microbiology	30,000	—	32,000	62,000
Physics including Workshop	5,72,233	—	75,103	6,47,336
Statistics	94,980	—	5,231	1,00,211
Zoology	3,26,173	2,220	12,730	3,36,683
	27,34,377	2,220	4,17,435	31,49,592

6. Publications of the Members of the Staff and Students

(1) Articles :

Sr. No.	Author	Title	Name of the Journal wherein published
1	H. R. Chokshi, C. V. Ramkrishnan	Bio-chemical studies on chick embryonic tibiae cultivated <i>in vitro</i>	Tissue Culture, Dr. W. Junk Publishers, The Hague, p. 36, 1965
2	A. J. Patel, R. Rajalakshmi, C. V. Ramkrishnan	Glutimine and alanine metabolism of avian and mammalian heart tissue explants cultivate <i>in vitro</i> in synthetic medium	Tissue Culture, Dr. W. Junk Publishers, The Hague, p. 49, 1965
3	K. D. Mainigi, R. Rajalakshmi, C. V. Ramkrishnan, K. Joshi, R. V. Bhatt, Mrs. Swami N., and T. V. Patel	Studies on normal and cancerous human cervix tissue maintained <i>in vitro</i> in synthetic medium	Tissue Culture, Dr. W. Junk Publishers, The Hague, p. 64, 1965
4	C. V. Ramkrishnan	Comparative metabolic studies on normal and neoplastic tissues	Growth, 29, 141, 1965
5	A. R. Chavan, S. D. Subnis, S. J. Bedi	<i>Melhanian Hamiltonia</i> A New Record for Bombay State	J. B. Nat. Hist. Soc., Vol. 62, 1965
6	S. H. Desai, C. H. Pathak	Effects of Gibberellic Acid on the Growth of <i>Trigonella Foeniculum-Graccum</i> , Linn	Indian Journal of Plant Physiology, Vol. VIII, No. 1, 1965
7	R. S. Shah, S. L. Bafna	Molecular sorption on Ion Exchange resins: Sorption of Coumarins	J. Ind. Chem. Soc., 1965, 42, 179
8	U. K. Jagwani, Suresh Sethna	Chromones and Flavones, Part IV. Some studies on the iodination of Flavones—Flavanones	J. Ind. Chem. Soc., 1965, 42, 435
9	K. P. Mathai, Suresh Sethna	Synthesis of Bitetralonyl and Bianthronyl Derivatives from Biphenyl Derivatives	J. Ind. Chem. Soc., 1965, 42, 86

Sr. No.	Author	Title	Name of the Journal wherein published
10	K. N. Trivedi	Use of Cation-exchange resins as catalyst in Pechmann reaction	J. Ind. Chem. Soc., 1965, 42, 273
11	S. S. Kanhere, R. S. Shah S. L. Bafna	Ultra violet Absorption Spectra of Cinchona Alkaloid Sulphates	Ind. J. Chem. 1965, 3, 251
12	R. J. Chudgar, K. N. Trivedi	Bromination of Acetoacetanilide: A revision of structure	Current Science, 1965, 34, 560
13	R. H. Mehta	Synthesis of some New Furo Coumarins	Indian Journal of Chemistry, 1965, 3, 574
14	Smt. V. A. Janaki	(i) Map and National Development (ii) Geography in World Politics	Indian Journal of Geography, Vol. I, No. 1, January, 1966 Faculty of Science, Magazine No. 13, March, 1966
15	S. S. Merh	Deformation in relation to metamorphism	J. M.S.U., Vol. 13, No. 3, 1965
16	S. D. Desai	Geology of the Girnar Hill, Saurashtra	J.M.S.U., Vol. 13, No. 3, 1965
17	S. S. Merh, N. M. Vashi	Structure and metamorphism of Ranikhet area of Almora District	Ind. Min., Vol. 6, 1965
18	O. P. Goyal	Paper on the absolute convergence of a series associated with Fourier Series	Mathematic Visnic, Vol. 2 (17), No. 1, 1965
19	V. V. Modi, V. V. R. Reddy, D. V. Shah	Carotene precursors in mangoes	Indian Journal of Experimental Biology, 1965, 3, 145
20	R. V. Joshi, A. K. Menon	(i) Speculations on the nature of emitters in quenched KCl	J. Phy. Soc., Japan, 457, 1965

Sr. No.	Author	Title	Name of the Journal wherein published
		(ii) Thermal Glow peaks in KCl : Tl around room temperature	Phil. Mag., 12, 963, 1965
21	H. B. Patel	Thermal etch patterns on Silver Crystals	Curr. Sc., 34, 689, 1965
22	A. S. Thattey	Closed loop patterns on cadmium Single Crystals	Curr. Sc., 34, 344, 1965
23	N. M. Bhatt, P. H. Dave	(i) Change in normal correlation due to exponential transformations of standard Normal variates (ii) The reciprocal of the variance matrix of partition values	J.I.S.A. Vol. III (i), 1965, pp. 46-54 J.I.S.A., Vol. III (2-3), 1965, pp. 170-172
24	B. K. Shah	Note on a method of fitting a non-linear curve containing a single non-linearity	Biometrics, Vol. XXI (2), 1965, pp. 506-507
25	S. S. Gupta, B. K. Shah	Exact moments and percentage points of order statistics and the distribution of the range from Logistic distribution	A. M. S., Vol. XXVI (3), 1965, pp. 907-920
26	N. M. Bhatt	(i) An outline of the theory of probability (in Gujarati) (ii) Some aspects of transformation of variate	Swadhyaya, Vol. II (3), 1965, pp. 333-353 Presidential Address at the Statistics Section of 53rd Session of Indian Science Congress, Jan. 1966.
27	N. J. Chinoy, J. C. George	(i) Cholinesterases in the pectoral muscle of some Vertebrates (ii) Embryonic and post-embryonic development of the pigeon pectoralis muscle	J. Physiol. (Lond.), Vol. 177, pp. 346-354, 1965 J. Anim. Morphol. Physiol., Vol. 12, No. 1, p.p. 57-68, 1965

Sr. No.	Author	Title	Name of the Journal wherein published
28	J. C. George, D. V. Naik	The hypothalamo-hypophysial neurosecretory system of the Migratory starling <i>Sturnus roseus</i> (Linnaeus)	J. Anim. Morphol. Physiol., Vol. 12, No. 1, pp. 42-56, 1965
29	Y. M. Naik	Histochemical demonstration of alkaline phosphatase in mammalian diaphragm	J. Anim. Morphol. Physiol., Vol. 12, No. 1, pp. 81-84, 1965
30	R. V. Nene, J. C. George	(i) Histochemical localization and distribution of uridine diphosphate glucose glycogen transglucosylase in pigeon pectoralis (ii) A histophysiological study of some muscles of the avian pectoral appendage	J. Anim. Morphol. Physiol., Vol. 12, No. 1, pp. 85-89, 1965 'PAVO', Vol. 3, No. 1, pp. 35-46, 1965
31	D. A. Chandra Bose, J. C. George	(i) Studies on the structure and physiology of the flight muscles of birds. 13. Characterization of the avian pectoralis (ii) Studies on the structure and physiology of the flight muscles of birds. 14. Characterization of the avial supracoracoideus	'PAVO', Vol. 3, No. 1, pp. 14-22, 1965 'PAVO', Vol. 3, No. 1, pp. 23-28, 1965
32	R. V. Nene, N. J. Chinoy	Histochemical observations on the avian Mm. latissimus dorsi, anterior and posterior	'PAVO', Vol. 3, No. 1, pp. 29-34, 1965
33	M. I. Andrews, R. M. Naik	Some observations on flocks of the jungle Babbler, <i>turdoides striatus</i> (Dumont) during winter	'PAVO', Vol. 3, No. 1, pp. 47-54, 1965
34	Abdur Razac, R. M. Naik	Studies on the House Swift, <i>Apus affinis</i> (G. E. Gray) 3. Awakening and roosting during the non-breeding period	'PAVO', Vol. 3, No. 1, pp. 55-71, 1965

Sr. No.	Author	Title	Name of the Journal wherein published
35	K. M. Cherian, N. V. Vallyathan, J. C. George	Succinic dehydrogenase in pigeon pectoralis during disuse atrophy	J. Histochem. Cytochem., Vol. 13, No. 4, pp. 265-269, 1965
36	K. S. S. Nair, J. C. George	Effects of gamma radiation on the post-embryonic stages of a dermestid Beetle, <i>Andthrenus vorax</i> waterhouse	Ent. Exp. & Appl., Vol. 8, pp. 241-248, 1965
(2) Books :			Publisher's name
1	C. V. Ramkrishan	Tissue Culture	Dr. W. Junk, The Hague
2	(Smt.) V. A. Janaki	Functional Classification of Towns in Gujarat	Research Paper Series II, March, 1966
3	J. C. George, Andrews J. Berger	Avian Myology	Academic Press, New York, U.S.A. 1965

7. Library, Cultural and Other Activities

(1) Professor U. N. Singh is elected President of the Gujarat Ganit Mandal for the year 1965-66 and also President of the Mathematical Section of Indian Science Congress for the year 1967.

(2) Dr. M. M. Patel gave a course of lectures on Molecular Spectroscopy to the post-graduate students of Gujarat University, Ahmedabad.

(3) Professor N. M. Bhatt presided at the Gujarat Mathematical Conference held at Bilimora in November, 1965 and at the Statistics Section of the 53rd Session of Indian Science Congress held at Chandigarh in January, 1966.

(4) Professor J. C. George has been nominated as a member on the Biological Research Committee of the C.S.I.R. and the Food and Agriculture Committee of the Atomic Energy Establishment, Government of India.

8. Co-curricular Activities

(1) Societies:

The following Societies in the Faculty formed according to the subject of studies arranged a number of lectures, discussions, seminars, symposia, etc.

(i) Chemical Society, (ii) Physical Society, (iii) Mathematical Society, (iv) Statistical Society, (v) Botanical Society, (vi) Zoological Society,

3. Staff

During the year, the staff of the Faculty consisted of 2 Professors, 6 Readers, 15 Lecturers, 2 Tutors and 2 Demonstrators and 12 Class III and 7 Class IV servants. In addition to the above, a Co-ordinator was in charge of the Department of Extension Programme in Secondary Education.

4. Library

The Faculty Library has been amalgamated with Shrimati Hansa Mehta Library and the students make use of this library. The Faculty also maintains small departmental libraries. The reading room which is retained, provided facilities for general reading. There is a separate library now being built up for the staff, post-graduate and research students in the Centre for Advanced Study in Education (CASE). So far 1960 books been purchased at the cost of Rs. 42,225-54. The library is subscribing to 47 educational journals.

5. Museum, Laboratory, etc.

(1) Museum:

The Faculty Museum consists of a number of teaching aids for various school subjects. They are either purchased or prepared by our students. The aids are constantly used by our students during their teaching practice with benefit both to themselves and the taught. The aids are meant not only for practical use in teaching but also to inspire our candidates to prepare new ones or improve old ones using their own resources and capabilities. Each candidate of the B.Ed. and T.D. classes prepares one 'Teaching Aid' once a year on one of the subjects of specialisation. Some of the old are discarded and new ones replace them.

Sr. No.	Item	Cost of equipments as on 1-4-1965	Cost of equipments written off during the year	Cost of equipment added during the year	Cost of equipment on 31-3-1966
		Rs.	Rs.	Rs.	Rs.
1.	Museum	12,032=79	—	—	12,032=79
2.	Teaching aids	900=00	—	565=95	1,465=95

(2) The Psychological Laboratory:

The laboratory is equipped with a collection of instruments required for the psychological experiments. A special section of the laboratory deals with the mental tests and includes a good deal of modern material required for testing intelligence, aptitudes, achievements and personality.

6. Publications

(A) Books:

The following were the main publications of the members of the staff during the year 1965-66:

Name	Title	Name of the publishers with month of publication
Dr. D. M. Desai	(i) Administration and Control of Secondary Education in India	A. R. Sheth, Bombay, May, 1965
	(ii) Educational Planning and Five Year Plan	A. R. Sheth, Bombay, January, 1966
Dr. M. M. Shah	An Aptitude Test for Secondary School Teachers, Construction and Standardization	M. S. University of Baroda, June, 1965
Dr. B. P. Lulla	Study of Educational Administration in the United States and India	Acharya Book Depot, Baroda, 1965
Dr. G. B. Shah	(i) Non-Verbal Group Test of Intelligence	Balgovind Kuberdas & Co., Ahmedabad
	(ii) The Manual of the Non-Verbal Group Test of Intelligence	Balgovind Kuberdas & Co., Ahmedabad
Shri J. J. Patel	(i) Community Research in General Science	Balgovind Kuberdas & Co., 1965
	(ii) સાગરપેટાજની યોજ	વેરા એન્ડ કું., સપ્ટેમ્બર, ૧૯૬૫
(B) Brochures:		
Shri T. P. Lele	Examination Research Monograph No. 4 and No. 5	Examination Reform and Research Unit, M. S. University, Baroda
Shri J. K. Majmundar	Science Clubs	Department of Extension Services, Faculty of Education and Psychology, December, 1965
Shri J. J. Patel	(i) Science Talent Search (Edited)	Department of Extension Services, August, 1965

Name	Title	Name of the publisher with month of publication
	(ii) Science Clubs (Edited)	Department of Extension Services, August, 1965
(C) Articles and Papers :		
Dr. D. M. Desai	(i) Major Obstacles to Universal Elementary Education in India	M. S. University Journal, April, 1965
	(ii) Limiting Admissions in Universities	Journal of Education and Psychology, Vallabh Vidyanagar, October, 1965
	(iii) Individual Differences in Learning Abilities of Children	'Nootan Shikshan,' (Psychology Special Issue), January, 1965
Dr. M. A. Quaraishi	The Educational Ideas of Ibn Khaldun	Journal of M. S. University, April, 1965
Dr. S. M. Divekar	Comparative Education—a Re-thinking	Education and Psychology Review, January, 1966
Dr. G. B. Shah	Group Differences in Intelligence—A Study,	'Journal of Education and Psychology, Vallabh Vidyanagar, Anand, January, 1966
Shri J. J. Patel	(i) આવો, દશ્ય-આવ્ય શિક્ષણનાં સાધનો સમજાવે-લેખાંક-૧	સારસ્વત-એપ્રિલ ૧૯૬૫
	(ii) આવો, દશ્ય-આવ્ય શિક્ષણનાં સાધનો સમજાવે-લેખાંક-૨	સારસ્વત-મે-જૂન, ૧૯૬૫
	(iii) માધ્યમિક તાલીમ મહાશાળાઓમાં પ્રાધ્યાપકો માટે ગ્રીષ્મશાળા	નૂતન શિક્ષણ-જૂન, ૧૯૬૫
	(iv) આવો, દશ્ય-આવ્ય શિક્ષણનાં સાધનો સમજાવે-પ્રોજેક્ટનો ઉપયોગ-૩	સારસ્વત-જુલાઈ, ૧૯૬૫
	(v) આવો, દશ્ય-આવ્ય શિક્ષણનાં સાધનો સમજાવે-લેખાંક-૪	સારસ્વત-ઓગસ્ટ, ૧૯૬૫

Name	Title	Name of the publishers with month of publication
	(vi) આવો, દશ્ય-આવ્ય શિક્ષણનાં સાધનો સમજાવે-પ્રોજેક્ટનો દરકાર અને કેળવણી, લેખાંક-૫	સારસ્વત-સપ્ટેમ્બર, ૧૯૬૫
Shri K. C. Bhatt	(i) Factors Hindering the Progress of Social Studies	Social Studies Teacher, April, 1965
	(ii) Let Our School Accept Challenge	Social Studies Teacher, October, 1965
Shri N. C. Soni	'A Few Objective Tests based upon S. S. C. Text Book in English	Acharya Book Depot, November, 1965

(D) Journals :

The Faculty has continued to publish the two quarterly journals : (1) Education and Psychology Review, (2) Social Studies Teacher.

7. Centre for Advanced Studies in Education (CASE)

(a) This Centre was established in 1964 under a scheme sponsored by the University Grants Commission to encourage Post-graduate teaching and research of high quality in the field of education. The Centre has four units, viz. Psychometrics and Testing, Curriculum Development, Language Learning, Guidance and Counselling. The Research Programmes which have been in progress with each unit are as under :

(1) Psychometrics and Testing Construction Unit :

- (i) Re-standardization of (a) Teaching aptitude test (for secondary school teachers), (b) An Inventory for predicting Teacher-Efficiency (for primary school teachers) with a view to setting up the norms for different population.
- (ii) Construction and standardization of University entrance test.
- (iii) A small scale investigation to study 'The problems of social adjustment in Co-educational secondary schools.'

(2) Curriculum Development Unit :

- (i) Academic causes of general backwardness at the elementary level.
- (ii) Academic causes of backwardness in mathematics at the elementary level.
- (iii) Academic causes of backwardness in social studies (History, Civics and Geography) at the elementary level.

(3) *Language Learning Unit :*

- (i) Causes of backwardness in Gujarati (as a mother tongue) in the primary schools of Gujarat.
- (ii) The causes of backwardness in Hindi with reference to bilingual children—Gujarati speaking children of standards V to VII.

(4) *Guidance and Counselling :*

- (i) Administration of the Differential Aptitude Test (D.A.T.) to the Preparatory Unit.
- (ii) Desirable characteristics of students as seen by the teaching staff in the various Faculties of the University.

(b) *Publications :*

- (1) Research Abstracts (Masters' Degree Dissertation), edited by Professor A. S. Patel and Dr. B. P. Lulla.
- (2) A Symposium for Evaluation of our Educational Standards. A report edited by Professor A. S. Patel, Dr. S. Bhattacharya and Dr. M. M. Shah.
- (3) Education of the Backward and Gifted Children—Edited by Professor A. S. Patel, Dr. B. P. Lulla and Dr. G. B. Shah.

(c) *Seminars :*

- (i) A Symposium on Educational Standards.
- (ii) Seminar on the Education of the Backward and Gifted Children.
- (iii) Seminar on Training College Counsellors.

(d) *Research Colloquy :*

The weekly colloquy was organised by the Centre for inservice growth of staff. Teachers with different specializations were called upon to lead the discussion on research problems in different areas.

8. *Literary, Cultural and Other Activities*(1) *Department of Extension Services :*

The Extension Services Project has completed a decade of existence. Started in June, 1955, the Department has introduced a new phase of activities in the programme of teacher preparation. The primary objective of all the activities of this department is Inservice Education of Teachers. The past year saw a series of workshops, seminars and conferences.

The Extension Centre caters to the educational needs of four districts of Gujarat viz., Baroda, Panchamahals, Bulsar and Surat (Zone area). There are as many as 325 Secondary Schools under the jurisdiction of the Centre.

Programmes undertaken during the year :

- (i) Intensive School Improvement Programme
- (ii) Experimental Projects
- (iii) Seminar Reading Programme
- (iv) Summer School of Education
- (v) Regional Science Fair
- (vi) Bringing out Wall-Posters for National Defence
- (vii) Seminars, Workshops and Refresher Courses.
 - July, 1965 Principals and English Teachers Meeting.
 - August, 1965 Meeting of the members of the Social Studies Circle. One day workshop at Bilimora on 'Experimental Project.' Two days Workshop of Drawing Teachers of some of the Secondary Schools for preparing Posters on National Defence. A Three-day Seminar at Timba Road. A Refresher Course in Gujarati and Mathematics from 24th to January, 1966. Two-days' Symposium on 19th and 20th February, 1966 about 'Administrative Problems in Secondary School at Gandevi.'

(2) *The Secondary School Counselling Centre :*

The programme of giving career talks to the schools of the Baroda City, guiding schools in the problems of their guidance etc. with the help of Extension Service Department was planned during the year. The detailed programme of giving career talks during the off-campus programme of the Faculty was also undertaken.

(3) *Rural Education :*

Waghodia and Jarod were continued as the centres for Rural Education Project. Usual practice and activities of the rural education group were conducted at both the places during the year.

(4) *University Student's Counselling Centre :*

Before the establishment of the CASE, the Psychological Counselling Centre has been functioning since 1959 at the Faculty with the full financial help from the University Grants Commission. With the establishment of the CASE in July, 1964, it has been merged in the CASE as a Guidance and Counselling Unit with the same staff which was engaged primarily in the counselling services and at the same time participating in related research activities with the help of a few research fellows. Its varied activities are summarised below :

(i) *Individual Counselling :*

555 students who came to the Centre were given advice on their individual Problems :

(ii) *Orientation Programme :*

The programme was implemented during the third week of June. Many senior students from various faculties volunteered to help the new students to adjust themselves to the new university environment. The new students were divided into groups of not more than 30 each. Each group was assigned to some senior students who took them around the various faculties of the University, Library, Health Centre, Hobby Workshop etc. In all about 900 students took part in the orientation programme.

(iii) *Group Guidance*

During the first week of the college, the staff of the Counselling Centre met the students of the Preparatory Unit in group of about 60. Students were helped to get familiar with the university set up and the Counselling Centre. In all about 1,500 students attended these talks. An orientation programme was arranged also for B.Ed. and T.D. students.

(iv) *Other Activities :*

In June, 1965, the Dean of the Faculty of Social Work invited the Counselling Centre to administer and score the Psychological tests for admission. The following tests were administered to about 100 students visiting this centre for counselling :

(1) Situational Test, (2) Sentence Completion Test, (3) Medical Questionnaire, (4) Differential Aptitude Test—Abstract Reasoning, (5) Six selected pictures from the Thematic Appreciation Test (TAT)

(v) *Research and Research Publications :*

- (1) Expectancy Tables,
- (2) Differential Aptitude Tests (D.A.T.)
- (3) Desirable characteristics of students as seen by the Teaching Staff in the various Faculties of the M. S. University of Baroda.
- (4) Failures at the Preparatory Units.

Publications :

Dr. H. J. X. Fernandez
and
Shri J. J. Gujjar

- (i) The Assessment of S. S. C. Examination marks as admission criteria to the Preparatory Science Unit of the M. S. University of Baroda. J. of V. Gui. & Edul. Gui. Vol. II, No. 4, Bombay, 1965.
- (ii) Programme Instruction in Industry. Management Review, Nov., 1965 (A Journal of the Baroda Management Association), Baroda.

(iii) 'Experimental Design to study the Effects of Schools on Students on Performance'—Experiments in Secondary Education—Vol. II, Anand, No. 2, October, 1965.

(iv) A Study of Human Relation in the Class Room

(v) Assessment of Preparatory Science Examination as admission criteria to First Year Engineering

Occupational World as presented through Language Text Books

Smt. Usha Acharya

(5) *Baroda Michigan Project :*

Dr. D. W. Cave, Professor of Education, University of Michigan worked in the Faculty as Visiting Professor from September, 1965 to April, 1966. He worked on the preliminaries for setting up a Pilot Project of Research in Community Education. The designs of several exploratory studies have been prepared with the assistance of Professor Cave. Mr. Donald W. Myres, a doctoral student of the same University, carried out his field work in connection with his doctorate thesis.

9. *Co-curricular Activities*

Under the Exchange Programme, Professor M. S. Patel went as Visiting Professor to the University of Michigan, Ann Arbor, during the year 1965-66.

(1) *English Teachers' Course :*

The above course was organised this year also under the assistance from the Department of Education, Government of Gujarat. 68 students attended the course in two batches. A follow-up of the programme was carried out after the completion of the course by visiting the schools. A similar course was also organised on behalf of the Baroda Municipal School Board. 110 students attended the course in two batches.

(2) Selection of Shri D. G. Apte under the University Grants Commission Scheme of Retired Teachers :

On 14th March, 1966, Shri D. G. Apte who has been associated with the institution since 1940-41 has retired as a Reader in Education. He has been selected by the University Grants Commission under the scheme of utilisation of the services of retired teachers from the 15th March, 1966. He will undertake the research on 'The Source Book of Vedic (Ancient Indian) Education'.

CHAPTER X-(A)—UNIVERSITY EXPERIMENTAL SCHOOL, BARODA

1. Courses of Study

The School continued to follow the syllabus and the courses prescribed by the Department of Education, Gujarat State and the courses and Syllabi of the S.S.C. Examination Board, Gujarat State. The courses provided this year in the S.S.C. class were Gujarati, Hindi, English, Sanskrit, General Science, Social Studies, Algebra-Geometry, Physics and Chemistry, Physiology and Hygiene, Geography and Arithmetic.

2. Number of Students

	Boys	Girls	Total
Primary : I to IV	75	66	141
Secondary : V to XI	169	121	290
Total	244	187	431

3. Staff

The School has 10 Graduate Trained Teachers, 2 Undergraduate Teachers in the Secondary Section and 4 Special Teachers (Music, Art, Physical Education and Library) and 4 Undergraduate Teachers in the Primary Section, and 4 class III and 7 class IV servants.

4. Library

To the existing stock of 12,300 books in the library, 700 new books costing Rs. 1,250/- were added during the year under report. The Library also continued to subscribe to 35 magazines and periodicals.

5. School Laboratory

The details are as under :

Sr. No.	Item	Cost of equipments as on 1-4-1965	Cost of equipment etc. written off during the year	Cost of equipment etc. added during the year	Cost of equipment as on 31-3-1966
		Rs.	Rs.	Rs.	Rs.
1.	Laboratory	8,990-38	—	3,604-44	12,630-82

6. Publications by the Members of the Staff and Students

Author	Article	Where Published
Shri A. J. Desai	(i) Profile of Significant School	Rajasthan Secondary School Board, Journal of Education
	(ii) प्रायोगिक शाळांमि आयोजन	नूतन शिक्षण

Author

Article

Where Published

Shri S. R. Patel	समग्र शाळांमि वादीसि'पड'नु' स्थान	नूतन शिक्षण
Smt. S. J. Mehta	Group Composition in English, Class IX	Experiments in Education

7. Experiments and Activities

(1) The teachers of the School carried out four action research studies and four project studies on different subjects in different classes.

(2) The Science Club participated in the Science Fair organised at Karjan by the Department of Education and at Baroda by the Department of Extension Services and won prizes by models, charts, essays, debates, etc.

(3) A Study of Creative Abilities of the pupils of class V to X was carried out by Dr. Norma Trowbridge and the results were incorporated in the Cumulative Record Card.

(4) A good number of students appeared at different "extra" examinations such as Elementary and Intermediate Grade Drawing, Sanskrit, Hindi, Shista Vachan, U.N.O. etc. and obtained good results at these examinations.

(5) The students of the school participated in various Painting and Art and other competitions, exhibitions and sports and prizes. At the U.S.O. conference and All India School Festival held at Delhi, the students got first prize in Group Dance and Fancy Dress and second prize in Elocution and Art. The School having given the best performance during the last three years was presented with a shield. The delegates of the school visited the late Prime Minister Shri Lal Bahadur Shastri at New Delhi and handed over a collection of Rs. 571/- for the National Defence Fund.

(6) A major tour of 56 students to Goa was organised during the Divali Vacation. Minor tours were arranged and the students were taken to Uttakantheshwar, Kabirvad, Dakor, Vanakbori etc.

(7) Chi. Parul Shah was declared the best cadet among the girl N.C.C. The N.C.C. boys of the school secured the first rank in rifle shooting and the school was presented with a shield.

(8) The school celebrated Parichay Din, Lala Lajpatray Centenary, Tilak and Tagore anniversaries and other national days.

8. Other Important Events

(1) Chi. Snehlata Surti of class VIII secured the second prize in the competitions for the Nehru Prizes organised by 'Soviet Land' to commemorate the Indo-Russian Friendship. Ten paintings were sent for the competition. The prize is a visit by the five children to Russia and participation in the Young Pioneers Camp at Artek on Black Sea for one month at the cost of the U.S.S.R. Government.

(2) There was an exchange of paintings between the School and the Experimental School of the Michigan University.

(3) Chi. Kamini Amin was awarded a prize by the Rotary Club of Baroda for standing first among the girl candidates at the Baroda Centre in the S.S.C. examination, 1965.

(4) Out of 43 students sent up for the S.S.C. Examination of March, 1966, 42 students passed—32 secured first class and the remaining 10 secured second class. Two students of the school secured the 3rd and the 4th rank among the first 10 top successful candidates in the entire S.S.C. Examination. Four students secured the National Scholarship of the Government of India. The following students won the prizes shown against them:

- | | |
|----------------------------------|---|
| (i) Chi. Pankaj N. Shah | Third prize in the aggregate and second prize in Arithmetic |
| (ii) Chi. Niranjana B. Sandesara | First prize in Gujarati. |
| (iii) Ku. Janki R. Desai | Kumari Shanta Shankarrao Vaidya Sanskrit prize. |

(5) Professor T. K. N. Menon, Ex-Dean of the Faculty of Education and Psychology, visited the school and addressed the pupils.

CHAPTER XI—FACULTY OF COMMERCE

1. Courses of Study

There is provision for the following courses :

- | | |
|----------------------|---|
| (i) Ph.D. : | Banking, Business Finance, Business Administration, Commerce, Co-operation and Economics. |
| (ii) M.Com. : | Advanced Economic Theory, Organised Market, International Banking and Foreign Exchange Problem, Corporation Finance, Economics of Agriculture, Organised Industry, Trade, Transport, Advanced Accountancy, Business Administration and Principles of Managements, Cost and Management Accounts, Law relating to Industrial relation and Income-tax, Co-operation. |
| (iii) B.Com. : | Accounting and Auditing, Banking, Business Management, Cotton Industry, Co-operation, Public Finance, Advanced Statistics, Transport. |
| (iv) Post-graduate : | Banking, Co-operation.
Diploma |
| (v) Under-graduate : | Co-operation.
Diploma |

2. Number of students

The classwise distribution of students during the year is as under :

Class	Men	Women	Total
Diploma in Co-operation (undergraduate)	5	—	*5
F.Y.B.Com.	393	24	417
S.Y.B.Com.	337	29	366
T.Y.B.Com.	380	21	401
Post-graduate Diploma in Banking	17	—	17
Post-graduate Diploma in Co-operation	1	—	1
Junior M.Com.	16	1	17
Senior M.Com.	25	1	26
Ph.D.	1	—	1
Total :	1175	76	1251

* 5 Men students were permitted to join the Under-graduate Diploma in Co-operation and S.Y.B.Com. course simultaneously.

3. Staff

During the year the staff of the Faculty consisted of 9 Readers, 14 Lecturers, 3 Part-time Lecturers, 3 Part-time Professors, 6 Class III and 11 Class IV Servants. The teaching work in the subjects of English, Mercantile Law, Mathematics and Statistics is looked after by the English, Law, Mathematics and Statistics Departments respectively. Some members of the staff of this Faculty gave lectures in the Faculty of Technology and Engineering, and Faculty of Arts under the General Education programme.

4. Library

The main library of the University provides library and reading room facilities to all the Faculty students and teachers.

5. Publication by members of the staff

<i>Name of the teacher</i>	<i>Subject of the Article</i>	<i>Name of the Journal</i>
Dr. K. N. Naik	Trends in Co-operative Democracy	Report on Seminar on Community Development and change in India published by the Director, Shri V.T.K. Institute of Rural Development, M. S. University of Baroda, May, 1965.
Dr. D. K. Shukla	(i) Economics Implications of Defence and Development (ii) Formulation of a National Food Policy	A.I.C.C. Economic Review 19th January, 1966 Economic Times, 29th March, 1966
Dr. S. Srikantiah	(i) Institutional Background to Wage Determination in India (ii) Wages Encyclopaedia	Indian Journal Labour Economic Conference Number Kannada Regional
Shri D. J. Mehta	Leadership in Organisation	Management Review, November, 1965
Smt. B. H. Elavia	Pamphlet "The Baroda Central Co-op. Bank Ltd., Bank Limited	Baroda Central Co-operative Bank Limited

6. Literary, Cultural and Other Activities

Under the programme of the extension work by the University teachers, the following members of the staff gave the extension lectures during the year under reference :

<i>Name of the teacher</i>	<i>Subject</i>	<i>Place</i>
Dr. H. L. Dholakia	Planning and Common Men	Basic Training College for Women, Baroda
Shri C. S. Rathod	Women and Co-operative Movement	do
Shri C. D. Amin	Taxation Policy of the Government of India	Gujarat Chartered Accounts Students Association, Baroda

7. Co-curricular Activities

Besides the Faculty Students' Association, the students of the Faculty organised the following associations and societies and arranged talks, debates and essay competitions :

(i) Economics Students' Association, (ii) Banking Students' Association, (iii) Accountancy Students' Association, (iv) Co-operation Students' Association, (v) Commerce Society, (vi) Business Management Students' Association.

8. Other Important Events

(1) From 31st May, 1965 to 5th June, 1965 a Summer Institute on Development Planning was arranged under the Directorship of Dr. D. K. Shukla, Reader in Economics. The institute was financed by the grant from the University Grants Commission.

A Symposium was held on 28th January, 1966 to celebrate the Indian Productivity year. Four teachers of the Faculty participated in the Symposium.

(2) The Faculty celebrated the Human Rights Day on the 10th November, 1965 by arranging a Symposium.

(3) On 13th November, 1965 the Faculty organised on behalf of the Committee for Co-operative Training, Delhi, an Inter-Faculty Prize Debate on Co-operation. The subject of the debate was "Total Co-operativisation of the Agricultural Economy alone can bring about rapid rural development." The scroll was won by the Faculty.

(4) The Dena Bank Trophy Debate was held on 22nd December 1965 under the Chairmanship of Shri J. S. Parikh. The subject of the Debate was "In the opinion of this house, devaluation of the Indian rupee is the only solution to our balance of payment problem". The trophy was won by the H. L. College of Commerce, Ahmedabad.

(5) The Faculty participated in the All India J. N. Das Gupta Memorial Trophy Debate held at Banaras on 11th January, 1966 and won the trophy.

(6) The Faculty team was the University Champion in the Cricket this year. Shri Y. K. Shukla won Shri B. N. Majmudar Trophy for the Inter-Faculty Debate in Hindi.

CHAPTER XII—FACULTY OF MEDICINE

(A) MEDICAL COLLEGE

1. Courses of Studies

The college conducts courses leading to the Degrees of M.B.,B.S. as well as the following post-graduate Degrees and Diplomas.

(1) Degree	Subject
M.D.	Medicine, Obstetrics and Gynaecology, Paediatrics, Pathology, Pharmacology, Physiology.
M.S.	Anatomy, E.N.T., Orthopaedics, Surgery
Ph.D.	Biochemistry, Pathology, Pharmacology, Physiology
M.Sc.	Anatomy, Biochemistry, Pathology. Pharmacology, Physiology
(2) Diploma	Subject
D.G.O.	Diploma in Obstetrics and Gynaecology
D.O.	Diploma in Ophthalmology
D.A.	Diploma in Anaesthetics
D.C.P.	Diploma in Clinical Pathology
T.D.D.	Diploma in Tuberculosis Diseases
D.L. & O.	Diploma in Otolaryngology
D.V. & D.	Diploma in Venereal Diseases
D.M.R.E.	Diploma in Medical Radiology and Electrology
D. Ped.	Diploma in Paediatrics.

Most of these have been inspected and recognised by the Medical Council of India. The hospital has several units with a total bed strength of 700, for purposes of providing clinical instruction to students. A new 300 bed-block, Operation Theatre Block, Extension of Paediatrics Ward and Theatres for internals have also been constructed during the year.

2. Number of Students

(1) Degree	Men	Women	Total
1st Year	103	19	122
2nd Year	96	24	120
3rd Year	4	—	4
4th Year	94	29	123
5th Year	61	14	75
Total :	358	86	444

	Men	Women	Total
(2) Post-graduate Degree			
M.D. Br. I (Medicine)	33	1	34
M.D. Br. II (Pathology)	5	1	6
M.D. Br. V (Obst. & Gynae.)	16	17	33
M.D. Br. VI (Paediatrics)	5	3	8
M.S. Br. I (Surgery)	27	—	27
M.S. Br. III (Orthopaedics)	3	—	3
M.S. Br. IV (E.N.T.)	4	—	4
M.Sc. (Anatomy)	2	—	2
M.Sc. (Physiology)	2	1	3
M.Sc. (Pharmacology)	7	1	8
M.Sc. (Pathology & Bacteriology)	5	3	8
Ph.d.	4	1	5
Total :	113	28	141

(3) Post-graduate Diploma

D.A.	4	1	5
D.L.O.	9	—	9
D.Ped.	10	3	13
T.D.D.	3	—	3
D.G.O.	7	11	18
D.C.P.	6	—	6
D.M.R.E.	1	—	1
D.O.	3	—	3
D.V.D.	1	—	1
Total :	44	15	59
Grand Total :	515	129	644

3. Staff

The staff of the College and Hospital consists of a Dean, 22 Professors, 6 Associate Professors, 45 Senior Lecturers, 34 Junior Lecturers, 11 Honoraries, 14 Assistant Honoraries, 4 Full Time Specialists, 1 Matron, 1 Resident Medical Officer, 2 Assistant Resident Medical Officers, 2 G.M.S. Class II, 60 Class III and 60 Class IV.

4. Library

Figures about stock and Expenditure on the Library are as under :

Particulars	Numbers	Cost in Rs.
(i) Books (including back numbers of journals as on 1-4-1965)	10422	1,69,196-19
(ii) Books written off	—	—
(iii) Books added	354	4,743-69
(iv) Books as on 31-3-1966	10,776	1,73,939-88
(v) Journals	132	8,799-60
(vi) Amount spent on binding	—	—
(vii) Total amount spent for Library and Reading Room	—	13,543-29

5. Museum, Laboratory, Studios, Workshop etc.

Sr. No.	Item	Cost of Equip. as on 1-4-1965	Cost of Equip. written off during the year	Cost of Equip. etc. added during the year	Cost of Equipment as on 31-3-1966
		Rs.	Rs.	Rs.	Rs.
(i)	Museum	3,23,952	575	—	3,23,377
(ii)	Laboratories	9,18,191	5249	10,529	9,23,471
(iii)	Studios	13,483	—	—	13,483
(iv)	Workshop	—	—	—	—
	Total :	12,55,626	5824	10,529	12,60,331

6. Publications

Fifty five articles and papers etc. have been published by teachers of this college and those attached to Shree Sayaji General Hospital, Baroda. Several departments have various research schemes under them in Progress. Besides 12 Research Fellows are working under various teachers of the College and Hospital, under the scheme of award of Research Fellowship by Government. Research schemes sponsored by the M. S. University, Baroda, I.C.M.R., C.S.I.R., etc. were also under progress.

7. Literary, Cultural and other Activities

(1) A Welcome Social was held on 1st August, 1965 to welcome the new students and the new W.H.O. Team.

(2) A film show in aid of the National Defence Fund was arranged on 28th December, 1965 and the amount collected was donated towards the fund through the Collector, Baroda.

(3) The 17th Annual Social Gathering was held on 27th February, 1966 and Dr. S. J. Mehta, F.R.C.S., was the Chief Guest.

(4) The College Students participated in Athletics, Outdoor and Indoor Games, University Week and won prizes.

(5) The strength of N.C.C. of this College is 114 boys and 53 girls. 8 Cadets attended Social Service Camp held at Ugat from the 5th to the 14th May, 1965. Shri D. P. Tewer of this College attended the All India Training Camp at Mount Abu from 10th to 23rd May, 1965. Shri M. R. Patel attended Advanced Leadership Course at Manali from 27th May to 16th June, 1965. 39 cadets of this College took part in Independence Parade on 15th August, 1965. One N.C.C. Officer and 109 cadets attended in combined annual training camp of all medical N.C.C. Units of the Gujarat State held at Hyderabad from 24th December, 1965 to 6th January, 1966.

8. W.H.O. Project

The W.H.O. Project on 'Medical Education' entered the Third Year of progress during the year. This year the team of W.H.O. experts from Edinburgh University was constituted by Dr. H. B. Miller (Psychiatry), Dr. A. W. Dellipiani (Medicine), Dr. D. W. Lindsay and Miss G. M. Meade (Radiology), Dr. M. S. Frazer (Paediatrics), Dr. D. E. M. Taylor (Physiology) and Dr. N. W. Horne (Medicine).

A Workshop in Teaching Methods was arranged from 11th to 18th December, 1965. It was inaugurated by the Vice-Chancellor Dr. C. S. Patel. Eminent medical educationists took part as primary participants and teachers from the Medical Colleges of Gujarat, Maharashtra and Goa attended as participants and observers.

Dr. A. S. Chikarmane, Lecturer in Paediatrics and Dr. P. S. Gupta, Lecturer in Anatomy of this College were sent on deputation to Edinburgh under the W.H.O. fellowships for one year.

Dr. R. V. Bhatt, Dr. S. H. Shah, Dr. G. L. Purohit and Professor A. K. Niyogi who were sent in the previous year to Edinburgh under the W.H.O. Fellowships returned to the Hospital this year.

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

1. Staff

The staff of the Unit consists of a Head (Honorary), one Senior Research Vaidya, two Junior Research Vaidyas, one Research Medical Officer, one Research Assistant in Chemistry, four Class III and seven Class IV Servants. Dr. A. D. Joseph, Dean of the Medical College, Baroda, worked as the Honorary Head of the Unit during the year.

2. Functions of the Unit

Research in Ayurveda is the sole object of this Unit. The Unit has a Library, a Museum of Indian Medical herbs and minerals, a Clinical Laboratory, a Rasashala and an Outpatient Department. 12 beds at the S.S.G. Hospital are placed at the disposal of the Unit for Ayurvedic Clinical research.

3. Library

This year 6 new books have been added bringing the total to 2624 books. 10 Ayurvedic Journals were also subscribed to during the year.

4. Museum

50 groups of available medicinal herbs each consisting of 10 drugs according to the Pharmacological Classification of Charaka are arranged in this Museum. Specimens of minerals and other useful drugs have also been kept. A section of Ayurvedic Pharmacopoeial medicines is also arranged. There are about 1,000 Ayurvedic specimens, 54 Herbarium frames, 75 specimen jars of fresh herbs preserved in solution, 16 charts and maps. About 300 specimens have been collected for the Herbarium and are classified. A Relief Map of India showing the distribution of Important Medicinal plants in India is placed in the Museum.

5. Research

(1) Out-patient Department :

During the year 34,167 patients attended the Unit for treatment.

(2) In-patient Department :

Clinical Research: 20 patients were admitted and studied during the year.

(4) Clinical trials of well-known Ayurvedic drugs:

(i) Effect of Solamum Nigrum "काकभाची" in Tinea infections. 84 cases of Tinea infections were studied as regards the antifungal effect of this drug. A detailed paper of observations on these cases has been prepared and published.

(ii) Evaluation of the effect of Leech-application in Head-ache. 15 cases, under this scheme, have been studied and the paper also has been prepared and ready for publication.

(iii) Observation work of the effect of Bharangmool in Kasa—Bronchitis is completed in the paper is also published.

(iv) Evaluation of the effects of "Samshamani No. 1" as an Anti-hypertensive drug or as a Tranquilizing agent in Anxiety Neurosis and tension states. A preliminary study of 10 cases, under this scheme, has been done and the work is in progress.

(B) Research in the fundamental theories of Ayurveda:

(i) The work of Prakriti-Vinischaya in relation with anthropometrical measurements is in progress. 50 normal subjects have been examined under this scheme.

(C) Pharmacological Research:

(i) Antidiabetic Activity of "Salobcein" :

Reversible type of diabetes was induced in dogs by the intravenous injections of divided doses of alloxan (total dose mg/kg). Salobcein was given orally (1 tablet/kg) for 21 days and blood glucose level was determined daily. Inconclusive results were obtained. Secondly due to non-availability of alloxan, work with dogs was discontinued. Effect of Salobcein on the blood glucose levels of normal fasting rats is in progress.

(ii) Investigation of the Pressor Effect of 7-methoxy-8-isopentyl coumarin (osthol):

7-methoxy 8-isopentenyl-coumarin (osthol), a crystalline compound isolated from the roots of Prangos pabularia caused a rise of arterial blood pressure in dogs, rabbits and rats but had a depressor effect in cats.

6. Garden

50 Ayurvedic herbs are maintained in the garden for fresh juices and quaths that are used in Pharmacy preparations and clinical trials.

7. Publications:

Sr. No.	Name of the Contributors	Title of the Paper	Name of the Journal wherein published
Vaidya M. K. Brahmabhatt		(i) तमक द्वासमें लशुन कल्प	स्वास्थ्य अनुभवांक
		(ii) ग्रहणी रोग	आयुर्वेद जगत
		(iii) Raktapitta	Ayurveda Jagat
		(iv) Grahaniroga (Vatapittika)	"
Vaidya D. K. Pathak. Dr. K. N. Parikh, Shri A. V. Dongre		Comparison of Bharang Mool with other drug on cough	Nagarjun

CHAPTER XIII—FACULTY OF TECHNOLOGY AND ENGINEERING

1. Courses of Study

The Faculty provides for the following Courses :

- (i) Master's Degree (M.E., Civil, Mechanical, Electrical and Textile M.Text. Engg. and Engineering and Architecture (Urban M.U.D.) Design)
 (ii) Post-graduate Diploma Refrigeration and Air-conditioning
 (iii) B.E. Civil, Mechanical, Electrical, Chemical and Electronics Engineering
 (iv) B.Text. Engineering Textile Engineering
 (v) B.Text. Technology Textile Technology
 (vi) B.Arch. Architecture
 (vii) Diplomas Textile Chemistry and Textile Technology

2. Number of Students

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

(1) Diploma :

Textile Chemistry :

	Men students	Women Students	Total
I Year	39	—	39
II year	37	—	37
III year (Final)	52	—	52
Textile Technology :			
Pre. T.T.	31	—	31
1st year	24	—	24
2nd year	35	—	35
III year (Final)	30	—	30
Total :	248	—	248

(2) Degree

- B.E.I. }
 Civil, Mechanical }
 Electrical }
 Chemical Engg. }
 Electronics Engg.
 F. Text. Engineering and Technology
 B.E. II : Chemical

Civil	380	3	383
Electrical	5	—	5
Chemical Engg.	65	—	65
Electronics Engg.	41	—	41

	Men Students	Women Students	Total
Civil	110	1	111
Mechanical	117	—	117
Electrical	64	—	64
S. Text. Engg.	35	—	35
S. Text. Tech.	22	—	22
B. E. III :			
Chemical	40	—	40
T. E. Civil	136	—	136
T. E. Mechanical	153	—	153
T. E. Electrical	90	—	90
T. Text. Engg.	18	—	18
T. Text. Tech.	18	—	18
B. E. Civil	120	1	121
B. E. Mechanical	155	—	155
B. E. Electrical	79	—	79
B. Text. Engg.	16	—	16
B. Text. Tech.	10	—	10
B. Arch. I year	52	4	56
B. Arch. II year	28	4	32
B. Arch. III year	34	6	40
B. Arch. IV	45	5	50
B. Arch. V year	49	2	51

Total :

1,882 26 1,908

(1) Post-Graduate Diploma Course in Refrigeration and Air-conditioning. 5 — 5

4. Post-graduate Degree :

(a) I M. E. (Civil) Advanced Irrigation and Hydraulics	1	—	1
II M. E. (Civil) Highway and Bridge Engineering	—	—	—
III M. E. (Civil) Public Health Engineering	5	—	5
IV M. E. (Civil) Soil Mech. and Foundation Engg.	5	—	5
V M. E. (Civil) Structural Engineering	9	—	9

	Men Students	Women Students	Total
(b) I M. E. (Mechanical) In- ternal Combustion Engi- neering	11	—	11
II M. E. (Mechanical) Pro- duction Engineering.	6	—	6
(c) I M. E. (Electrical) Servo- mechanism.	7	—	7
II M. E. (Electrical) Power Engineering.	4	—	4
(d) I M. Text. Engineering.	—	—	—
(e) II M. Arch. Urban Design	1	—	1
	<hr/> 54	<hr/> —	<hr/> 54

5. Government of India, Technical Teachers Trainees :

First Year :

Civil	3	—	3
Mechanical	1	—	1
Electrical	1	—	1

Second Year :

Civil	3	—	3
Mechanical	7	—	7
Electrical	1	—	1

Third Year :

Civil	3	—	3
Mechanical	1	—	1
Electrical	2	—	2

Total :

22

—

22

Grand Total :

2,206

26

2,232

3. Staff

During the year the staff of the Faculty consisted of 11 Professors, 23 Readers, 63 Lecturers, 36 Senior Instructors, 3 Junior Instructors, 24 Assistant Lecturers, 120 Class III and 83 Class IV servants.

4. Library

Several books have been acquired by the Library during the year 1965-66 and the total value of the books and periodicals is Rs. 4,18,100-02 upto the end of March, 1966.

5. Museum, Laboratories, Studios, Workshops, etc.

Sr. No.	Item	Cost of equip- ment etc. as on 1-4-1965	Cost of equip- ment written off during the year	Cost of equip- ment added during the year	Cost of equip- ment etc. as on 31-3-1966
		Rs.	Rs.	Rs.	Rs.
1.	Laboratories, Workshop, Studio etc.	36,83,129-92	—	1,36,119-44	38,19,249-36

6. Publications by the members of the staff

(1) Articles/Papers:

Name	Title	Name of the journal wherein published with month of publication
R. L. Gandhi and M. Chandra	Comparative study of AF Technique and M. P. N. Pro- cedure	Institution of Engineers (India) Journal
Dr. K. S. Shah	Import Substitution in En- gine and radiator industry	Institution of Engineers (India), Gujarat Centre, Annual number 1965
J. G. Advani and O. P. Gupta	(i) Minimum Bicubic and biquartic impedance functions	Journal I.T.E. No. 8, pp. 282-294, August, 1965
	(ii) Network structure for a special class of minimum Biquartic p.r. functions	Journal I.E. (India), January, 1966
	(iii) Network for a sub-class of minimum Biquartic impedance function	Journal, American I.E. E.E. (U.S.A.), January, 1966
J. G. Advani and S. Keshavan	Synthesis of A.C. load Transfer function for minimum sensiti- vity by parallel ladder pro- cedure	Journal I.E. (India), January, 1966

(2) Books:

Name	Title	Name of Publisher with month of publications
Professor J. M. Shah and Dr. Jagdish Lal	Theory of Machines	Metropolitan Book Co. Ltd., Delhi and Jain Brothers, Delhi, September, 1965
T. N. Joshi and Dr. R. T. Shah	Design of Machine Elements	M. C. Kothari, Baroda, May, 1965
R. C. Patel	(i) Theory of Machine Part I	Acharya Book Depot, Baroda, October, 1965
	(ii) Principles of Refrigeration & Air-conditioning	Acharya Book Depot, Baroda, November, 1965
V. H. Shah	Theory of Machines	Bindu Publishers, Baroda, October, 1965
V. M. Shah and C. C. Shah	(i) Introduction of Calculus	Acharya Printing Press
	(ii) University Mathematics	Acharya Printing Press
B. M. Patel	(i) Kinematics Dynamics	Acharya Book Depot, August, 1965
	(ii) Elements of Theory of Machines	Acharya Book Depot, February, 1966

6. Literary, Cultural and other Activities

Under the auspices of the Literary Association of this Faculty, lectures and talks on various subjects of general and engineering interest by prominent persons were arranged. Students of this Faculty took part in various Inter-Faculty, Inter-University and other debating and elocution contests. During the year, the following laurels were won by the students of this Faculty in Inter-University and other national contests.

Sarvashri D. R. Sethi and Vinay Sethi won the First prize in the debate contest for the Wadia Trophy. Shri Vinay Sethi won the third prize in Professor Subba Rao Trophy debate contest.

7. Co-curricular Activities

(1) Exhibition of Education Films

The Faculty has a stock of 23 films on various subjects of educational interest and also 14 strips of 35 mm. films. Every year additional films are taken on loan for use from various organizations. Sixty films were shown to the students during the year.

(2) Co-operative Stores

The working of the store was satisfactory. The total sale during the year amounted to Rs. 19,564/-.

8. Other Important Events

The Faculty takes keen interest in organising Winter and Summer Schools in specialised fields. The Winter School on Town Planning and Architecture and the Summer Schools on (1) Production Engineering and (2) Servo-mechanism and Automatic Control Engineering were organised during the year. The participants were selected from educational Institutions and Industries throughout India. The programme was financed by the University Grants Commission.

CHAPTER XIV—FACULTY OF FINE ARTS

1. Courses of Study

The Faculty offers the following courses :

(i) M.A. (Fine)	Art Criticism and Art Education
(ii) B.A. (Fine) and M.A. (Fine)	Applied Arts, Painting and Sculpture
(iii) Post-graduate Diploma	Museology
(iv) Post-Diploma and Diploma	Applied Arts, Painting and Sculpture
(v) Diploma	Textile Design
(vi) Certificate	Bronze Casting, Lithography, Photography, Pottery and Ceramics, Printing, Process and Block making and Woodwork.

2. Number of Students

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

Year/Class	Men	Women	Total
(1) Certificate :			
First Year	1	1	2
Second Year	2	1	3
	<u>3</u>	<u>2</u>	<u>5</u>
(2) Diploma :			
First Year	21	1	22
Second Year	29	—	29
Third Year	13	6	19
Fourth Year	15	1	16
	<u>78</u>	<u>8</u>	<u>86</u>
(3) Post-Diploma :			
Junior	4	1	5
Senior	3	—	3
	<u>7</u>	<u>1</u>	<u>8</u>
(4) Degree :			
First Year	29	10	39
Second Year	9	6	15
Third Year	6	1	7
Fourth Year	10	1	11
	<u>54</u>	<u>18</u>	<u>72</u>

(5) Post-graduate Diploma :	Men	Women	Total
Junior	2	2	4
Senior	5	2	7
	<u>7</u>	<u>4</u>	<u>11</u>
(6) Post-graduate Degree :			
Junior	3	—	3
Senior	3	—	3
	<u>6</u>	<u>—</u>	<u>6</u>
(7) Ph.D.	1	—	1
	<u>1</u>	<u>—</u>	<u>1</u>
(8) Non-Collegiate:			
Government Scholars and Foreign Scholars	10	17	27
	<u>166</u>	<u>50</u>	<u>216</u>
Grand Total	166	50	216

3. Staff

The staff of Faculty consisted of 2 Professors, 5 Readers, 17 Lecturers, 2 Assistant Lecturers, 1 Demonstrator, 13 Class III and 18 Class IV Servants.

4. Library

The Library received a grant of Rs. 3,000/- from the University as usual and it has been fully utilised. In addition an amount of Rs. 4,239 was spent towards the purchase of books during the year from the grant of Rs. 10,000/- for books sanctioned by the University Grants Commission during the Third Five Year Plan period.

Noteworthy acquisitions are (1) Modern French Sculpture by Giuseppe Mirchiori and (2) Encyclopaedia of Textiles.

The library received 184 books worth Rs. 10,000/- from the Museum of Modern Art, New York, U.S.A. as gift. It also received some books donated by Professor N. N. Chaudhuri which were presented to him during his tour to Poland.

The following statement gives the details of acquisition of the Library :

	Books (including back No. of journals)	Pamphlets	Total value in Rs.
Number at the beginning of the year	4,208	94	67,390-43
Number added	100	—	4,239-00
Number withdrawn from the record	—	—	—
Number remaining at the end of the year	4,308	94	71,629-43

(B) Periodicals:

The total number of periodicals and journals subscribed to now stands at 20. The total amount spent for the subscription of periodicals is Rs. 847-03. The total amount spent for binding is Rs. 572-50.

(2) Circulation of Books:

The working hours of the library were from 11-00 a.m. to 5-00 p.m. on all working days and from 11-00 a.m. to 3-00 p.m. on Saturdays.

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

(i) Average number of students making use of the Library	40
(ii) Average number of teachers making use of the Library	20
(iii) Average number of books issued per day for home reading (issued only to the staff members and Post-graduate students)	25
(iv) Average number of books issued per day for reading on the premises	68

5. Museum Laboratory, Studios, Workshops, etc.

Sr. No.	Item	Cost of equipment as on 1-4-1965	Cost of equipment etc. written off during the year	Cost of equipment added during the year	Cost of equipment as on 31-3-1966
	Studios, Workshops, Painting, Sculpture and Applied Arts	2,39,445-36	—	4,708-80	2,44,154-16
	Museology	58,569-09	—	10,635-53	69,204-62
	Total . .	2,98,014-45	—	15,344-33	3,13,358-78

6. Literary, Cultural and Other Activities

(1) During the year the Faculty arranged a number of lectures and demonstrations by experts, some of which are mentioned below :

Name	Number of Lectures/ Demonstrations	Subject
Shyam Benegal, C/o Advertising & Sales Promotion Co., Vaswani Mansions, Dinshaw Vachha Road, Bombay	2	(i) Cinema as a publicity, propaganda and advertising medium (ii) Creativity in advertising films and making of an advertising films

Name	Number of Lectures/ Demonstrations	Subject
Nissim Ezekiel, Bombay	1	Modern Art and Modern Indian Artist
Roy Dalgarno, 3, Harbour View, 29, Causeway, Bombay-1	2	(i) Demonstration in Lithography (ii) Typography

(2) Mr. Isamu Akino, the Japanese Sculptor was invited as a Visiting Professor for wood carving.

(3) Mrs. Fusako Akino, was invited for Demonstrations and Lectures on Pottery.

7. Co-curricular Activities

(1) The following films were shown to the students and the staff:

(i) Art Heritage, (ii) Yankee Painter, (iii) Textiles and Ornamental Arts in India and (iv) Face of Lincoln.

(2) The following seven exhibitions were arranged in the Faculty :

(i) Open Air Exhibition of Stone Carving by Shri N. M. Patel, Cultural Scholar of the Faculty	29-8-1965 to 1-9-1965
(ii) Graphic Art Exhibition of 45 Prints—U.S.A.	12-9-1965 to 15-9-1965
(iii) 50/ Original Graphic Painting by the National Association of Women Artists—U.S.A.	22-11-1965 to 30-11-1965
(iv) Graphic Arts, U.S.A. sponsored by the Faculty and the United States Information Service, Bombay	25-1-1966 to 29-1-1966
(v) Water Colour sketches etc. of the staff done during the Faculty tour to Saurashtra	12-2-1966 to 16-2-1966
(vi) Graphic Prints of the well known Graphic Artist Shri Somanath Hore	18-2-1966 to 21-2-1966

(vii) Painting, Prints and Sketches by Mr. William Kohn,
Visiting Fullbright scholar

25-2-1966 to 3-3-1966

8. Other Important Events

(1) A Fine Art Fair was arranged on 18th and 19th December, 1965 and an amount of Rs. 6,511-16 P. was collected for 'Jawans' Fund.

(2) Mr. Bernard Karpel, Chief Librarian of the Museum Modern Art, New York visited the Faculty from 16th to 24th January, 1966 in connection with art publications and distribution of art books.

(3) The students and members of the staff of the Faculty erected a Memorial Corner on 22nd January, 1966 to commemorate the demise of the late Prime Minister Shri Lal Bahadur Shastri.

(4) The teachers of the Faculty participated in Group shows of Paintings and Sculpture, held one-man shows and individual shows in Sculpture and Pottery, prepared poster campaigns during the Small Pox Eradication Week etc.

(5) Sixteen students of the Faculty were awarded prizes in the 6th Gujarat State Art Exhibition held at Ahmedabad in March, 1966 and also in exhibitions held at Nepal, Jaipur, Hyderabad, etc.

CHAPTER XV—FACULTY OF HOME SCIENCE

Buildings

(1) The new building for the Child Development Department was completed in January, 1966. It accommodates staff offices, the Infant Testing and Pre-School testing rooms, a library, a seminar room and the office for the research team.

(2) The new wing for the Foods and Nutrition Department is now completed and laboratories have been fitted up for carrying out post-graduate and doctorate research. An animal house is under construction and when completed would meet the needs of both (i) Foods and Nutrition and (ii) Bio-chemistry departments.

(3) Equipment laboratory has been partially constructed with two working platforms and electrical facilities in Home Management Department.

1. Courses of Study

There is provision for the following courses :

- | | |
|--|--|
| (1) B.Sc. (Home) and M.Sc. (Home), Ph.D. : | Foods and Nutrition |
| (2) B.Sc. (Home) and M.Sc. (Home) : | (i) Child Development |
| | (ii) Clothing and Textile |
| | (iii) Economics of Household and Home Management |
| | (iv) Home Science Education and Extension |
| (3) Post-graduate Diploma : | Nursery School Education |
| (4) B.Sc. (Home) : | General Home Science |

2. Number of Students

Year/Class	Students		
	Men	Women	Total
(1) Degree B.Sc. (Home) :			
(a) First Year	—	150	150
(b) Second Year	—	142	142
(c) Third Year	—	125	125
(d) Fourth year	—	103	103
Child Development		10	
Foods and Nutrition		22	
Clothing and Textile		14	
Education and Extension		7	
Home Management		9	
General Home Science		41	
Total :	—	520	520

Year/Class	Students		Total
	Men	Women	
(2) Post-graduate Diploma:			
P. G. Diploma in Nursery School Education	—	4	4
(3) Post-graduate Degree M.Sc. (Home):			
(a) Junior M.Sc. (Home)			
(i) Child Development		5	
(ii) Foods and Nutrition		17	
(iii) Clothing and Textile		7	
(iv) Education and Extension		4	
(v) Home Management		5	
(b) Senior M.Sc. (Home)			
(i) Child Development		4	
(ii) Foods and Nutrition		6	
(iii) Clothing and Textile		2	
(iv) Education and Extension		4	
(v) Home Management		5	
	2	19	21
Total :	2	57	59
(4) Ph.D. :			
Foods and Nutrition	2	1	3
Grand Total :	4	582	586

3. Staff :

The staff of the Faculty consisted of 2 Professors, 1 Honorary Professor, 6 Readers, 23 Lecturers, 19 Assistant Lecturers, 3 Demonstrators & Tutors, 12 Class III and 27 Class IV Servants. The Faculty continued to receive the help of the staff of the other Faculties for teaching various courses.

Four Visiting Professors under the Ford Foundation Project in each field of specialization are teaching and conducting various research schemes at the post-graduate level.

4. Library

The Faculty Library was amalgamated with Shrimati Hansa Mehta Library in the year 1964-65. The students of this Faculty are now making use of that Library. All the departments are maintaining their own small libraries which contain reference and other books which are of daily use to the staff and students.

5. Museum, Laboratory and Workshop

Sr. No. & Item	Cost of equipment as on 1-4-1965	Cost of equipment written off during the year	Cost of equipment etc. added during the year	Cost of equipment as on 31-3-1966
	Rs.	Rs.	Rs.	Rs.
Museum, Laboratories, etc.	3,39,369=41	—	37,234=54	3,76,603=95

6. Publications

Sr. No.	Author/s	Title	Name of the journal wherein published
(1)	Dr. (Smt.) R. Rajalakshmi	Sprouted and fermented foods and their easy and large scale preparations	Journal of Indian Diet. Assn. 3, 30, 1965
(2)	Dr. (Smt.) R. Rajalakshmi, Professor A. D. Deodhar and Professor C. V. Ramakrishnan	Vitamin C secretion during lactation	Acta. Paediatrica, Scandinavia, 54, 375, 1965
(3)	Dr. (Smt.) R. Rajalakshmi, K. R. Govindarajan and Professor C. V. Ramakrishnan	Effect of dietary protein content on visual discrimination learning and brain biochemistry in the albino rats	J. Neurochem. 12, 261, 1965

7. Literary, Cultural and Other Activities

(1) Under the University Grants Commission Scheme of Exchange of Teachers between the Universities, two experts viz. Dr. J. F. Bulsara and Dr. F. G. Parmeshvaran were invited each for a week to give lectures, conduct seminars and advise on the research projects in the Child Development Department.

(2) Five teachers of the Faculty gave extension lectures under the University Grants Commission Scheme of Extension Work by University Teachers.

(3) Under the University Scheme of Extra Mural Activities, the Faculty invited the following lecturers :

Name	Topic
(i) Smt. Maher Contractor, Director, Bharatiya Natya Sangh, Ahmedabad.	Puppets
(ii) Shri S. Das Gupta, Gandhian Institute of Studies, Varanasi.	Community Development Programme

8. Co-curricular Activities

(1) The following exhibitions were arranged at the Faculty:

Department	Subject of Exhibition
(i) Home Management	Consumer's Role
(ii) Clothing and Textiles	(i) Traditional Historic Costumes and Handicrafts (ii) Children's Clothes and Home Crafts (iii) Handloom and Handicrafts

(2) The Child Development Department has undertaken a new activity of organisation of a Children's Play Centre in the evening with the purpose of providing recreational activities to the children aged 6 to 14 years. There was an encouraging response to this new programme.

(3) The Applied Nutrition Training Programme under the joint sponsorship of the Gujarat Government and UNICEF was also continued during the year. Under this programme 100 trainees (Public Health Workers, Doctors, Gramsevaks, Gramsevikas, Nurses, etc.) have been trained upto the year under report. The training includes a visit to Raipur Village where a school lunch programme and infant feeding programme, Kitchen garden movement are organised.

(4) The students of the Faculty put an interesting entertainment programme of folk dances, etc. at the General Education Auditorium on 18th December, 1965 and collected an amount of Rs. 2,597 for the National Defence Fund.

(5) The Foods and Nutrition Department celebrated the Village Day and the Annual Day on 23rd February, 1966 and 24th February, 1966 respectively.

(6) The Faculty published its Annual Magazine as usual.

(7) Kumari Saroj Rana, a Junior M.Sc. (Home Science) student won a special prize at the All India University Debate Competition.

9. Home Science Project—Ford Foundation

The Project was implemented in August, 1960. The following are the main items of the project which is financed by the Ford Foundation:

- (i) Experts from U.S.A. carry out post-graduate teaching work and supervise research projects at the Faculty of Home Science.

- (ii) Staff members and students of intellectual promise from the Faculty are deputed for post-graduate studies at the Iowa State University or other Universities of repute in U.S.A. under Ford Foundation Fellowships.
- (iii) Scholarships are provided to under-graduate students at the Faculty of Home Science.
- (iv) Funds are made available for Research staff, contingencies, etc. for the research projects and also for equipment, books and journals and additional space for the departments.

The project continued this year also. This year two members of the Faculty Staff were sent to the Iowa State University for their post-graduate studies. Services of four full time and one part-time Visiting Professors were made available to the Faculty:

1. Dr. M. Pattison for Education Extension Department
2. Dr. Roderuck for Foods and Nutrition Department
3. Dr. Tarpley for the Clothing and Textiles Department
4. Dr. Beveridge for Home Management Department
5. Professor Proffenberger on Part-time basis for Child Development

Department

They worked with the teaching staff members and research assistants in the post-graduate teaching work and helped in organising and conducting the departmental research.

The Ford Foundation has made available a grant of U. S. \$ 100,000 to be utilised from July, 1965 onwards for scholarships, fellowships and support of research schemes in all the departments of the Faculty.

10. Other Important Events

The Child Development Department of the Faculty received a grant of Rs. 36,000 from the Ministry of Health, Government of India for the research project "Inter-Personal Relationships of Village Families related to the Problems of Family Planning".

11. Gramsevika Training Centre

The Centre conducted 2 Refresher Courses each of 2 months' duration for the Gramsevikas who have put in at least two years' service in the Development Blocks. The Government of Gujarat has decided to discontinue the scheme of organising Refresher Courses and convert the Centre into a School of Home Science. The Centre has been placed under the Control of Superintending Agricultural Officer, Baroda Division with effect from the 1st December, 1965.

CHAPTER XVI—FACULTY OF SOCIAL WORK

1. Courses of Study

The Faculty provides instructions leading to the Post-graduate degree of Social Work—Master of Social Work—M. S. W.

The Faculty's training programme consists of three major components :

(1) Class-Room Work

The Courses of Study aim at preparing competent workers for variety of positions in the field of Social Welfare. Since the establishment of the Faculty in 1950, its policy has been to provide generic training in social work. In regard to theory courses no major change was effected during the academic year under report.

(2) Field Work (Practical Training)

There are twenty agencies co-operating with the Faculty and participating very actively in providing good learning experiences for the students. The Faculty has established the following agencies with the primary purpose of training the students in Rural Social Work, Urban Community Welfare and Psychiatric Social Work:

- (i) Rural Community Welfare Centres
- (ii) Fateh Gunj Samaj Kalyan Kendra
- (iii) Mental Hygiene and Psychiatric Clinic

(i) Rural Community Welfare Centres:

At present, the Faculty is running two Rural Community Welfare Centres at Villages—Bil and Raipura. Every year 5 to 7 students are placed in these Centres for their field work training. The students carried out the Social Education Programme for the members of the Youth League. The programme included recreational and cultural activities, literacy classes, discussions on topics related to social and economic problems of rural areas. The students organised women's groups in different Falias of the village and also encouraged village youth to take active interest in community programmes. In addition to this, the programme of family planning was carried out in these villages.

(ii) Fateh Gunj Samaj Kalyan Kendra :

During this academic year 7 to 9 students were placed in the centre for their field work experiences. This year the centre sponsored an inter-agency cultural programme and served as a co-ordinating agency for Urban Community Welfare Centres in the City of Baroda.

(iii) Mental Hygiene and Psychiatric Clinic:

During this year the Clinic worked with a limited staff because the clinic was to be taken over by the Government. In October, 1965, the S.S.G. hospital authorities appointed their staff and formally took charge of the clinic from the Faculty. Since then only one of our staff members is working in the clinic to supervise and coordinate the field work training programme of our students. In addition to this work she supervises the students placed in the S.S.G. hospital for field instructions in Medical Social Work.

(3) Research Experience :

As part of the requirement for the Degree of Master of Social Work, the students of the Faculty undertake research studies which are primarily intended to provide an experience in the use of research methods.

(4) Camp and Study Tour :

A programme of camp was organised at Madhi during the first academic term for Junior students. The purpose was to provide the students with experiences in democratic group living and also to offer them an opportunity to study the working of a Rural Community Development block sponsored by the State. The study tour was arranged for senior students to help them get acquainted with different types of welfare services organised by voluntary organisations or those managed by the State Department of Social Welfare. Visits to industrial organisations were also included to enable students to learn more about labour welfare services as they exist in different settings.

2. Number of Students

The number of students enrolled in the Junior and Senior classes at the commencement of the year 1965-66 was as under :

Class	Men	Women	Total
Senior M. S. W. Class	31	9	40
Junior M. S. W. Class	36	11	47
Total	67	20	87

3 Staff

The staff of the Faculty consisted of 1 Professor, 2 Readers, 7 Lecturers, 1 Agency Supervisor, 1 Part-time Lecturer, 10 Class III and 7 Class IV Servants. Since the Department of M. H. P. C. was closed from 1st October, 1965, the staff of the Department was withdrawn except one lecturer who is retained to supervise and co-ordinate the student's field work training programme both in Psychiatric and Medical settings.

4 Library

(1) Acquisition notes

(A) Books

The Faculty has a separate library of its own and maintains it from the grant that is received from the University for the purpose. This year the grant of Rs. 3,000 was received for books; Rs. 1,300 for periodicals and Rs. 1,000 for educational films.

The following statement gives the details of acquisitions by the library of the Faculty during the year under report.

	Books (including Bound Periodicals)	Pamphlets	Total value in rupees Rs. P.
Number at the beginning of the year	5,804	1,310	47,059-74
Number added	184	210	2,998-66
Total	5,988	1,520	50,058-40
Number written off	—	—	—
Number remaining at the end of the year	5,988	1,520	50,058-40

(B) Periodicals

The total number of periodicals and scholarly journals subscribed to during the year stands at 1965. About 80 volumes of bound periodicals were added to the stock during the year. Amount spent for subscription etc. is Rs. 1,294-30 and for films is Rs. 1,058-35.

(2) Circulation of Books

The Library remains open from 8-00 a.m. to 7-00 p.m. on Field work days and from 9-00 a.m. to 8-00 p.m. on class work days and from 8-00 a.m. to 2-00 p.m. on Saturdays. During examination period the Library is kept open on Sundays and holidays so as to enable the readers to prepare better for the examination.

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

(i) Daily average number of readers visiting the Library	80
(ii) Daily average number of teachers visiting the library	10
(iii) Average number of books issued per day for home reading	60
(iv) Average number of books issued per day for reference reading	50

5. Publications by the members of the Staff

The following papers and/or articles were published by the members of the staff during the year 1965-66:

Name of the Teacher	Title of Paper/Article	Name of the Journal wherein published with month of publication
Dr. V. B. Shah	(i) School of Social Work	Social Welfare Journal, New Delhi
	(ii) Psychological Reasons for Family Conflict in Indian Conditions	Bharat Sevak—May and June 1965 (Two issues)
	(iii) The Nature of Concept Formation and Conceptual Disorders among Schizophrenic Patients	Social Work Review, July, 1965
	(iv) Development of an Attitude of Dependency during Pre-School years and the Teacher's Role in checking its Development	'The Young Child,' October, 1965

6. Literary, Cultural and Other Activities

(1) The Faculty organised a two-week social work orientation training programme from 20th June, 1965 to 3rd July, 1965. The programme was organised on the request from the Department of Social Security, Government of India, New Delhi. A grant of Rs. 12,000/- for this purpose was made available to the Faculty by the Department. The programme was planned for the Volunteer Leaders of Welfare agencies, who were holding key positions in their respective organisations. About 40 participants representing different fields of social welfare attended the programme.

(2) A two month course in Urban Community Development was organised by the Faculty from 17th February, 1966 to 17th April, 1966. The training programme was conducted by the Faculty staff with assistance from other specialists in the fields. A group of 40 trainees representing the States of Gujarat and Delhi attended the course. The programme was sponsored and financed by the Ministry of Health, Government of India, New Delhi.

(3) The Faculty in collaboration with the Department of Prohibition, Government of Gujarat, had organised a seminar on 'Prohibition as a Social Policy'. About 200 delegates from various agencies participated in the seminar.

7. Co-curricular Activities

(1) The faculty maintains a film library and every year additional films on subjects of academic interest are obtained for use from different organisations. Periodical film shows are arranged to supplement class-room teaching.

(2) During the year the Students' Association of the Faculty organised socials, sports, outings, 2 debates and 8 lectures by eminent speakers on topics of academic interest. The study circle of the Association also arranged a series of lectures on different topics.

(3) The twelfth issue of the "Social Work Review" Magazine was published in October, 1965.

(4) Rao Bahadur Ramlalbai H. Desai Gold Medal was awarded to Shri Raja B. Iyengar, who stood first in order of merit, on 27th November, 1965. He was also awarded Shrimati Manorama Karandikar Shield on 20th March, 1966. The Alumni Association Shield was awarded to Miss Bharati Patel, alumni of the group 1963-1965, who stood second in the order of merit.

(5) The Alumni Association continued to give information and Counsel to graduates regarding job and other problems. Since its inception, the Association has striven to establish close contacts between the Faculty of Social Work and its alumni. During the last 16 years of its establishment the Faculty has trained 318 graduates. Almost all of them are gainfully employed and many of them are holding good positions in the field.

8. Shri V. T. Krishnamachari Institute of Rural Development

The Institute completed the tenth year of its existence this year. It carried out the following programme in the year 1965-66:

(1) Social Education Organisers' Training Centre

The Centre conducted the VI Long Term course and trained 8 Mukhya Sevikas. In the VII course it trained 32 Mukhya Sevikas. The Centre also trained 88 Associated Women workers in three courses. It has undertaken the research work on 'The Social Impact on rural life due to the Amul Dairy' and research survey on 'The Attitudes of the village women leaders towards change.'

(2) Panchayati Raj Training Centre

This Centre has been conducting institutional and peripetetic courses. So far 302 Sarpanchas and Upsarpanchas have been trained in 15 institutional courses and 563 panchas have been trained in 14 peripetetic courses.

(3) Family Planning Communication Research Project

During this period, new programme of research and training in family planning was taken up under a grant given by the Ministry of Health. The training programme consists of experimental training as part of an action

research project to find out the most appropriate methods, content and duration of training. The other programme of the project is the evaluation of Family Planning Programme in Kaira District, the district selected for intensive public health programme in Gujarat. So far 25 family Planning Extension Educators have been trained. The work on the gathering of base-line data in Kaira District is underway.

(4) University Grants Commission Research

A Study of the Condition and Care of the Aged in Rural Communities as found in certain parts of Gujarat is in progress under a grant from the University Grants Commission. Data collection has been completed.

(5) Training of Public Health Nurses

During the year, five Public Health Nurses deputed by the Government of Gujarat were trained and oriented in Social Science.

(6) Publication

The report on "Community Development and Change in India" was published.

CHAPTER XVII—FACULTY OF LAW

1. Courses of study

The Faculty of Law imparts instructions for the following courses:

- | | | | |
|---------------------------|--|--|--|
| (1) LL.B., LL.M., Ph.D. | Law | | |
| (2) Post-graduate Diploma | (i) Taxation Laws and Practice
(D.T.P.) | | |
| | (ii) Labour Laws and Practice
(D.L.P.) | | |

2. Number of Students

The number of students enrolled for the various classes in the Faculty was as follows :—

Class	Men Students	Women Students	Total
First Year LL.B.	248	22	270
Second Year LL.B.	92	7	99
	<hr/>	<hr/>	<hr/>
Total	340	29	369
D.T.P.	53	1	54
D.L.P.	53	2	55
	<hr/>	<hr/>	<hr/>
Total	106	3	109
Jr. LL.M.	21	2	23
Sr. LL.M.	20	4	24
	<hr/>	<hr/>	<hr/>
Total	41	6	47
Ph.D.	1	—	1
	<hr/>	<hr/>	<hr/>
Total	1	—	1
	<hr/>	<hr/>	<hr/>
Grand Total	488	38	526

3. Staff

During the year the staff of the Faculty consisted of 1 Professor, 1 Reader, 2 Lecturers, 9 Part-time Professors, 2 Visiting Professors, 4 Class III and 3 Class IV employees.

4. Co-curricular Activities

Debates, musical evening, Annual get-together of the students and the staff of the Faculty, etc. were arranged and all students and staff members took interest in these activities. Teachers of the Faculty participated in debates and Symposia organized by other institutions.

5. Lectures

The following eminent speakers addressed the students and the teachers of the Faculty during the year.

Speaker	Subject
Shri Fatehali Palejwala, Speaker, Gujarat Legislative Assembly	Working of Parliamentary Democracy in India with special reference to Gujarat Vidhan Sabha
Professor Bertram Willcox, Consultant in Legal Studies, Ford Foundation, New Delhi	(i) Legal Education in the U.S.A., (ii) American system of settling In- dustrial Disputes (iii) Some Topics in Commercial Law
Professor James C. Miller, Professor of Law, Yale Law School, U.S.A.	(i) American Jurisprudence (ii) Interpretation of Laws (iii) Behavioral Science Techniques in Law
Professor I. C. Saxena, Dean, Faculty of Law, University of Rajasthan	(i) Firm offer Puzzle in India, U.K. and U.S.A. (ii) The rise of promissory estopped in India (iii) Promises for charitable subscrip- tions (iv) Identical cross offers in India, U.K. and U.S.A. (v) Public Policy as an Instrument of controlling contractual obligations
Shri Rajni Patel, Bar-at-Law	Art of an Advocate

6. Symposia

The symposia on the following subjects were arranged in the Faculty during the year : (i) Human Rights, (ii) Education for Leadership

7. Magazine

The Faculty Students' Association published a magazine 'LEGIS' containing learned articles on legal topics of general interest.

CHAPTER XVIII—ORIENTAL INSTITUTE

When the Institute was taken over by the University in 1949 it had a good record of publications—109 volumes in the Gaekwad's Oriental Series and 516 other books. By the end of March, 1966 the number of publications in the various series, from the Oriental Institute is 151 in the Gaekwad Oriental series and 581 other books. The main work of the Institute is research and publication of unpublished important works carried on with the help of a very big collection of manuscripts and the collection of printed books on all subjects related to Indology.

The publications are under the following titles :

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

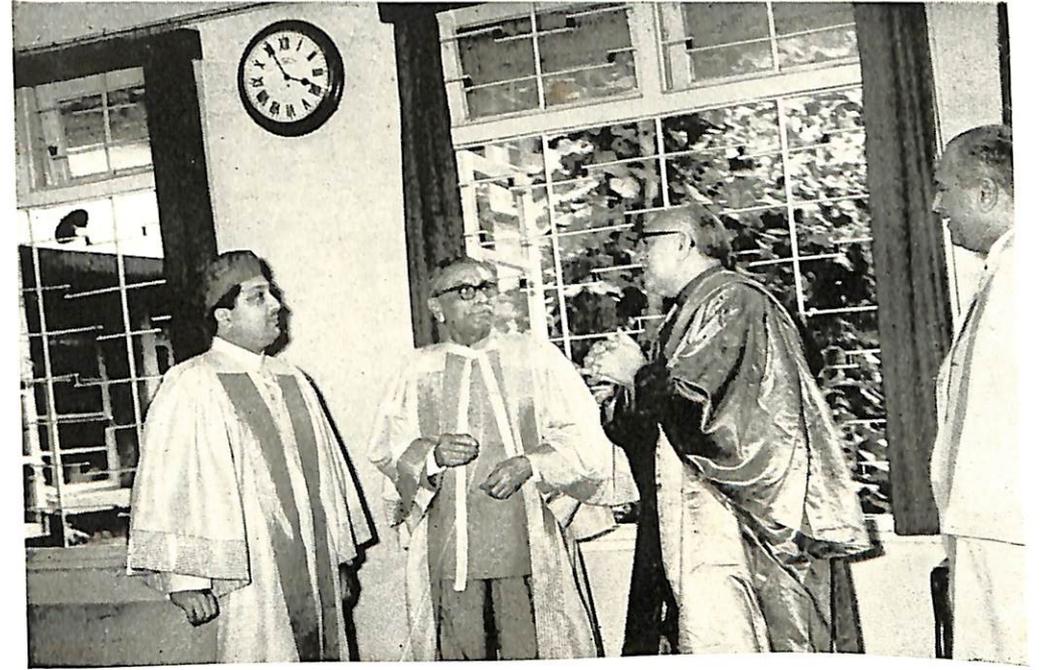
2. Post-graduate Teaching

Besides the above, as a part of the scheme of co-ordination of the teaching of 14 Shastras of Sanskrit in the University, 7 members of the Institute are recognised as Post-Graduate teachers in Sanskrit and Gujarati for guiding M. A. and Ph.D. students.

During the year, the Director, the Deputy Director, the Head of the Ramayana Department and other recognised teachers of the staff of the Institute guided 8 Ph.D. students in Sanskrit, Gujarati and Ancient Indian Culture and 85 M. A. students in Sanskrit and Gujarati. The teaching of Prakrit as a subordinate subject at the B. A. and M. A. level was introduced two years back by the University and Shri J. P. Thaker of the Institute taught 6 M.A. (1 Senior and 5 Junior) students in the subject. The Director also worked as the Head of the Gujarati Department of the Faculty of Arts.

3. Staff

During the year, the staff consisted of 1 Director, 1 Deputy Director, 4 Research Officers, 9 Class III and 6 Class IV Servants, as also the members of the Ramayana Department—1 General Editor and Head of the Ramayana Department, 1 Assistant Editor, 2 Proof-Readers, 16 Critical Apparatus Writers, 2 Class III and 2 Class IV Servants



The Chancellor, Vice-Chancellor, Professor M. S. Thacker and the Pro-Vice-Chancellor in the University Office

4. Library

(1) Manuscript Section :

This section has already a collection of 24,266 manuscripts in Sanskrit, Prakrit, Pali, Apabhramsha, Persian and other classical languages and several modern Indian languages. Of these 452 were added during the year, out of which 15 were purchased and 437 were received as gift from Late Professor G. H. Bhatt, Baroda.

During the year, 22 manuscripts were lent to outside institutions, 18 to local scholars and 208 were issued for work on the premises of the Institute; while 2 manuscripts were borrowed from outside institution.

The manuscript collection of the Oriental Institute is becoming richer by the addition of new collections every year and includes several manuscripts of historical value for their subject-matter and for the historical information that they offer through their colophon and post-colophon entries. There are manuscripts in almost all the scripts of India including Persian and Arabic as well. The MSS collection of the Oriental Institute can easily be developed as an archival collection of national importance.

(2) Printed Books Section :

The Institute has a well-equipped Library having a collection of 28,030 books.

(i) Books :

This year the Library received a grant of Rs. 7,000 for Printed Books Section and Rs. 300 for Ramayana Department from the University for the purchase of books and periodicals. The grant has been fully utilised.

There have been some noteworthy additions during the year viz., Rigveda Samhita edited by Max Muller Vols. 1-4; Oriental Art Vol. 1-4 and 8-11; The collected works of Buston Vol. 1-3; The Art Heritage of India by E.B. Havell; Rigveda Vols. 1-7 edited by Prof. Vishvabandhu Shastri; The Oldest Rajasthan Paintings from Jain Bhandaras; etc.

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

	<i>Books including bound periodicals</i>	<i>Total value in Rs.</i>
Total number of volumes at the beginning of the year	27,255	2,48,556-35
Number added during the year	775	10,078-30
Total	28,030	2,58,634-65

Out of the total number of books added during the year, 521 books were purchased at a cost of Rs. 7,297-60 and 254 books were received as gift and on exchange basis.

(ii) Periodicals:

The total number of periodicals and scholarly Journals subscribed for and received on an exchange basis now stands at 290.

4. Circulation and Reference Services

The collection is maintained as a reference collection for the study and research in Indology for the staff of the Oriental Institute. Books from the collection are however available for reading on premises of the University Library for the staff and advanced students.

The Institute also allows a number of people, not connected with the University but interested in the scholarly pursuit of subjects under perview of the Institute to read on the premises.

5. Publications

Gaekwad's Oriental Series :

Editing and publication of the Series is one of the main activities of this Institute. Uptil now 151 volumes have been published under this series.

During the year the following works were published:

GOS no. 146—*Mirat-i-Ahmadi*, English Translation by Shri M. F. Lokhandwala

GOS no. 147—*Ramasatakam*—edited by Muni Shri Punyavijayaji and Professor B. J. Sandesara.

GOS no. 148—*Sankha-Parabhava-Vyayoga*—edited by Professor Sandesara

GOS no. 149—*Catalogue of Palm-leaf MSS in the Santinatha Bhandara, Vol. II*, edited, by Muni Shri Punyavijayaji.

GOS no. 150—*Vikramankabhyudayam* edited by Shri Murari Lal Nagar]

GOS no. 151—*Bhimavikrama-Vyayoga and Dharmodddharanam*—edited by Dr. U. P. Shah.

6. Translation Branch

The following books were published during the year under Shri Sayaji Sahityamala Series :

(1) श्रीमद् भागवत-भा. १ by Late Shri N. A. Pandya

(2) गुजरात स्थलनाम संसद व्याख्यानमाला by different authors

(3) आधुनिक गुजरातना संतो by Shri K. A. Thakkar

The sale of all our publications is managed by the University Publications Sales Unit, Baroda.

7. Publications by the Members of the Staff

(1) Articles/Papers :

Name	Title	Where Published or read
1 Professor B. J. Sandesara	१. संघदासगणिकृत वसुदेव हिंडीमां सांस्कृतिक इतिहासनी सामग्री	फार्वस गुजराती सभा, त्रैमासिक शताब्दि अंक, एप्रिल-जून, १९६५
	२. स्व. रामलाल मोदीनी संशोधन दृष्टि	बुद्धिप्रकाश, जून, १९६५
	३. मंचेरजी खरेघाट-भाषा वैज्ञानिक तथा गणित	M. P. Khareghat Birth Centenary Souvenir
	४. ज्योतिषना अच्छा जाणकार सोमेश्वरकृत कीर्तिकौमुदी	नवचेतन, दीपोत्सवी अंक, सं. २०२१
	५. गुजरातमां रचायेला केटलाक दिगंबर जैन ग्रंथो	स्वाध्याय, पु. २, अंक ४
	६. जूना साहित्यमां अंक वृत्तबद्ध ऋतु-वर्णन	स्त्रीजीवन, गरवा अंक, ऑगस्ट, १९६५
	७. The Hammiraprabandha (1518 A.D.) of Amrtakalasa—An Unnoticed Maru Gurijara poem eulogising the exploits of Hammira, the ruler of Ranathambhor.	Journal of the Oriental Institute, Vol. XIV, Nos. 3-4.
	८. संस्कृत साहित्य गुर्जरप्रदेशस्य प्रदानम्	सुरभारती, सुवर्ण जयन्ती विशिष्टांक
	९. वेद, ऋतु अने वरुण	बुद्धिप्रकाश, मार्च, १९६५
	१०. इतिहास अने साहित्य—संशोधननी दृष्टिअे	फार्वस गुजराती सभा, त्रैमासिक, जान्युआरी-मार्च, १९६६
2 Dr. U. P. Shah	(i) A Female Bust from Valabhi	Journal of Indian Society of Oriental Art, New Series, Vol. I, 1966
	(ii) A Jaina Bronze from Jesalmere, Rajasthan—with plates	do
	(iii) A Jaina Metal Image from Surat—with plates	do

Name	Title	Where published or read
(iv)	A Panca-Tirthika Image with a Torana from Patan—with plates	Metal Journal of Indian Society of Oriental Art, New Series, Vol. 1, 1966
(v)	Some Newly Discovered Painted Book-covers (jointly with Muni Shri Punyavijayaji)—with plates	do
(vi)	Some Surya Images from Gujarat, Saurashtra and Rajasthan	Bulletin of the Baroda Museum & Picture Gallery
(vii)	A Few Images from Idar State in the Baroda Museum	do
(viii)	Origin of the Buddha Image	Journal of the Oriental Institute, Baroda, Vol. XIV, Nos. 1-2.
(ix)	अमदावादनी वे प्राचीन धातुप्रतिमाओ	कुमार, अंक ५००
(x)	सत्य ऐ ज ईश्वर, सत्य ऐ ज धर्म	हिन्दु मिलनमंदिर दीपोत्सवी, सं. २०२१
(xi)	कवि देपालकृत जंबूस्वामी पंचमवचरित्र (jointly with Dr. S. D. Parekh)	स्वाध्याय, पु. ३, अं. १
(xii)	Some Mediaeval Sculptures from Gujarat and Rajasthan	Indian Society of Oriental Art, New Series, Vol. I
3 Shri J. S. Pade	(i) Dr. Benoytosh Bhattacharya—A Unique Personality	Journal of the Oriental Institute, Vol. XIV, Nos. 3-4
	(ii) शतायु महात्मा	श्री पु. मू. अमीन, जीवन शरमर शताब्दि समिति
	(iii) Obituary—Professor G. H. Bhatt	Journal of the Oriental Institute, Vol. XIV, Nos. 3-4
4 Shri J. P. Thaker	(i) A Note on Ghorasamam	Journal of the Oriental Institute, Vol. XIV, Nos. 3-4
	(ii) भारती भावित वेपविमुषा	Svadhyaya, Vol. 3, No. 1

Name	Title	Where published or read
5 Dr. S. D. Parekh	१ जादुई दंड	Hindu Milanmandir October, 1965
	(2) Books:	
1 Professor B. J. Sandesara	१ श्री सोमेश्वरदेव विरचित रामशतकम्	Gaekwad's Oriental Series, No. 147
	२ महोपाध्याय श्री हरिहर विरचित शंख-पराभवव्यायोग	Gaekwad's Oriental Series, No. 148
2 Dr. U. P. Shah	१ भारतीय शिल्पसंशुद्धि	परिचय पुस्तिका ट्रस्ट, मुंबई
	२ भूमि विक्रम व्यायोग अने थर्मोडरणम्	Gaekwad's Oriental Series, No. 151

8. Ramayana Department

The General Editor—Professor G. H. Bhatt—expired on 4th April, 1965 and Dr. U. P. Shah, Deputy Director, Oriental Institute has been appointed to work as the General Editor and Head of the Ramayana Department from 5th July, 1965.

During the year under report finalised press-copy of the entire Sundarakaanda has been sent to the Press and 416 pages (Sargas upto 59) are printed. The remaining Sargas (9) are in the proof stage.

The press copy of Critical Apparatus of 1-8 Sargas and the rough copy of Sargas 44-88 of the Yuddhakanda are ready. The rough copy of the Critical Apparatus upto Sargas 43 prepared last year, is now being finalised for the Press.

The Collation of Uttarakanda of N₂ (Microfilm) upto Sargas 59 is over. During the year, Shri M. R. Nambiar, Assistant Editor was deputed to the International Academy of Indian Culture, New Delhi, in search of rare MSS especially from Kashmir. He selected one rare MS of the Ramayana in Sarada Script, in Six Kandas (Bala-Yuddha) and an enlarged photo copy of N₁ (Newari) the oldest dated MS. The Microfilm of the above Nepal MS (N₁) being dark in many places, it was impossible to read all the folios on the reader machine. This loan of the enlarged photostat copy has facilitated the work of collation of Yuddha and Uttarakandas from N₁ MS.

9. Journal of the Oriental Institute

During the year, Vol. XIV, Nos. 3 and 4 and Vol. XV, Nos. 1 and 2 were published. 97 subscribers were registered during the year and 236 copies were sent on exchange basis. The Journal is specially devoted to research studies in Indology and also includes studied papers on Ramayana and allied topics concerning the epics and puranas.

10. Gujarati Journal 'Svadhyaaya'

The Institute started a new Gujarati Quarterly 'Svadhyaaya', Nos. 3 and 4 of Vol. II and No. 1 of Vol. III were published and No. 2 of Vol. III is under print.

The Journal has been well received by scholars and reviewers and it is also getting increasing response by way of subscriptions. For a long time, there was a vacuum in Gujarat regarding a Journal in Gujarati devoted to research papers in Humanities and Sciences. This Journal is started to remove this vacuum. It is also intended to help writing in regional language in humanities and sciences so that a proper terminology is evolved which would facilitate higher teaching through medium of regional language.

11. Other Activities

(1) For further development of the Oriental Institute a scheme of inviting Professors was started and the following five lectures by three learned lecturers on different subjects were arranged in the Oriental Institute during the year under report:

Name of the Lecturer	Subject	Date
1 Dr. T. N. Dave, Director, Dwarkadhish Sanskrit Academy Institute of Research in Indology, Dwarka	Two lectures on 'Dialects and Dialectology'	9-12-1965 10-12-1965
2 Dr. George Cardona, Associate Professor of Linguistics, Graduate School of Arts, Uni- versity of Pennsylvania, Philadelphia, U.S.A.	Two lectures on 'Aspects of Paninean Methodology'	5-1-1966 6-1-1966
3 Dr. Lokesh Chandra, Director, International Academy of Indian Culture, New Delhi	One lecture on 'Indian Culture in Asia'	1-2-1966

(2) The Institute has been in charge of the scheme of preparing text-books in regional languages. Under the scheme, the work 'आथिक आयोजन' by Shri Ramu Pandit is under print. The other two works: (1) वनस्पतिशास्त्र प्रवेशिका, (2) अर्वाचिन भारतीय केळवणीनो विकास are sent to Press for publication.

(3) Dr. P. M. Modi continued to receive assistance, under the scheme 'Utilisation of Services of Retired Professors and Scientists' from the University Grants Commission for teaching and supervision of Research of (i) Brahmasutra of Badarayana and (ii) A Critical Study of Anubhashya on the Brahmasutra. The University Grants Commission has extended the period of tenure of award by one year more.

(4) The University Grants Commission continued to provide assistance for the implementation of the Scheme for the Collection, Preservation and Utilisation of Manuscripts this year also. Under the scheme, two persons (1) Research Assistant and (2) Technical Assistant are continued for further period of one year. The work of purchase and preservation of manuscripts is well in progress.

CHAPTER XIX—COLLEGE OF INDIAN MUSIC,
DANCE AND DRAMATICS

1. Courses of Study

The college offers the following courses:

M.Mus.	: Music, Dance, Dramatics
B.Mus.	: Music (Vocal and Instrumental—Sitar, Violin, Dilruba, Tabla), Dance (Bharat Natyam, Kathak), Dramatics
Post-Diploma	: Dancing (Kathak, Bharat Natyam)
Diploma	: Music (Vocal and Instrumental—Sitar, Dilruba, Violin, Tabla), Dance, Dramatics

2. Number of Students

The number of students enrolled in the various classes for the year 1965-66 was as under:

(1) Diploma:

Year/Class	Men Students	Women Students	Total number of Students
1st Year	134	94	228
2nd Year	47	66	113
3rd Year	31	30	61
4th Year	22	20	42
5th Year	17	16	33
Total	251	226	477

(2) Degree:

1st Year B.Mus.	1	9	10
2nd Year B.Mus.	6	2	8
3rd Year Jr. B.Mus.	4	6	10
4th Year Sr. B.Mus.	3	2	5
Total	14	19	33

(3) Post-graduate Degree:

Jr. M.Mus.	1	2	3
Sr. M.Mus.	4	2	6
Total	5	4	9
Grand Total	270	249	519

3. Staff

During the year the staff consisted of one Professor, 1 Hon. Visiting Professor, 1 Visiting Lecturer, 3 Readers, 11 Lecturers, 8 Tutors, 22 Ustads (Teachers in Music and Dance including part-time teachers), 9 Class III and 10 Class IV servants.

4. Library and Reading Room

Acquisition Notes:

(A) Books:

The library received as usual a grant of Rs. 2,000 from the University for the purchase of books and Rs. 650 for the purchase of periodicals. The grant has been utilised. In addition, a grant of Rs. 10,000 sanctioned by the University Grants Commission during the Third Five Year Plan, was also being utilised for the purchase of books and equipment.

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

	Books	Bound periodicals	Total value in Rs.
(i) Number of books at the beginning of the year	5137	527	36,543-63
(ii) Number of books added during the year	178	38	2,422-83
(iii) Number of books withdrawn from the record	—	—	—
Total	5315	565	38,966-46

(B) Periodicals:

The total number of periodicals subscribed to is 42; 38 volumes of bound periodicals were added to the stock during the year.

5. Museum, Laboratory, Studio, Workshops, etc.

Item	Cost of equipment as on the 1st April, 1965	Cost of equipment etc. written off during the year	Cost of equipment etc. added during the year	Cost of equipment as on the 31st March, 1966
	Rs.	Rs.	Rs.	Rs.
Physics Laboratory	4,937-53	—	—	4,937-53

6. Literary, Cultural and Other Activities

Shrimati Meher R. Contractor, R.D.S. (London) Director, Puppet Project of India of Bharata Natya Sangh and Vice-President of UNIMA gave a lecture and demonstration on the " Art of Puppetry " at the College on 15th January, 1966 under the scheme of Extra Mural Activities.

7. Co-curricular Activities

(1) Educative films on 'Ballet' were shown to the students on 6th August, 1965.

(2) The Buechner Exhibition was arranged in the College Play Box on 21st August, 1965. Mr. J. Janson, Lecturer in German Language, gave a lecture on Buechner and Modern German Drama.

(3) The College presented the following three plays during December-January, 1966:

(i) अहलाती सरुडो, (ii) धरतीनी लीतरे, (iii) अंगार नडि डोलवाय.

(4) A variety programme of Music, Dance and Drama was arranged on 30th January, 1966 and an amount of Rs. 3,169 was collected for the National Defence Fund.

(5) Ustad Faiyazkhan Jayanti was celebrated on 12th and 13th February, 1966.

(6) The College Annual Day was celebrated on 1st March, 1966. The Vice-Chancellor distributed the prizes. He also awarded the Diploma Certificates to the students and the Ardeshar Dalal Silver Model to Shri L. P. Bapat who stood first in M. Mus. Examination in 1964-65.

CHAPTER XX—BARODA SANSKRIT MAHAVIDYALAYA

I. Courses of Study

The Institution offers courses in four stages as under :

(1) Vachaspati : A research course of two years' duration for the higher Post-graduate research degree of 'Vachaspati' has been instituted in this institution for those who have passed the Acharya examination of this University or its equivalent.

(2) Uttam Kaksha or special Pandit course of four years' duration is split up into two courses : (i) The Shastri course (degree course) extending over the first two years and (ii) The Acharya course (Post-graduate degree course) extending over the last two years in the subjects of (i) Vyakaran Shastra, (ii) Jyotish Shastra, (iii) Dharma Shastra, (iv) Sahitya Shastra, (v) Suddhadwaita Vedanta, (vi) Sankhya Yoga and Vedanta Darshan, (vii) Nyaya and Vaisheshik Darshan, (viii) Purva Mimansa Shastra and instruction in only the first six branches was imparted during the year.

(3) Madhyam Kaksha course of five years' duration leads to the Diploma of 'Visharad' in each of the two branches of (i) Grammar and Literature and (ii) Astrology and Astronomy—with English upto the S. S. C. standard compulsory for both the branches.

(4) Pratham Kaksha or certificate course is of three years' duration in each of the three branches of (i) Yajurved-Yajniki, (ii) Rigveda-Yajniki and (iii) Purana—with grammar literature compulsory for all branches.

2. Number of Students

Number of students enrolled in various classes during the year 1965-66 was as under :

(1) Pratham Kaksha Certificate

	Men	Women	Total
First Year	17	5	22
Second Year	6	1	7
Third Year	3	3	6
Total	26	9	35

(2) Madhyam Kaksha (Visharad)

First Year	10	4	14
Second Year	4	—	4
Third Year	2	1	3
Fourth Year	2	—	2
Fifth Year	1	1	2
Total	19	6	25

	Men	Women	Total
(3) Uttam Kaksha (Shastri)			
First Year	9	—	9
Second Year	6	—	6
Total	15	—	15
(4) Uttam Kaksha (Acharya)			
First Year	1	—	1
Second Year	5	—	5
Total	6	—	6
(5) Vachaspati	3	—	3
Grand Total	69	15	84

3. Staff

During the year, the staff of the institution consisted of the Principal, 12 Adhyapakas, 2 Hon. Adhyapakas, 2 Class III and 4 Class IV servants.

4. Library

The institution has a small library and a reading room. The following figures show the stock and the expenditure on the maintenance of the library and Reading-room during the year:

Sr. No.	Particulars	Number	Cost in Rs.
1.	Books (including back numbers of Journals) as on 1-4-1965	4363	15105-52
2.	Books written off during the year	4	2-86
3.	Books added during the year	140	346-61
4.	Books as on 31-3-1966	4499	15449-27
5.	Journals subscribed during the year	12	95-80
6.	Amount spent on binding during the year	—	53-60
7.	Total amount spent for the library and Reading room during the year	—	442-41

5. Publications by the members of the staff

The following research articles by the members of the staff were published in Surbharati—Golden Jubilee Special Number, 1966 :

Name of the Contributor	Title
1. Principal, H. C. Mehta	श्रीमद्भागवते श्रीकृष्णः ।
2. Pt. Shri S. Y. Mishra	वैज्ञानिकभाषातत्त्वविमर्शः ।
3. Shri L. J. Zha	ज्योतिषे वैक्रमदित्यसमारहस्यम् ।
4. Shri J. R. Pathak	अनल्लिधावितिम् किम् ।
5. Shri J. B. Shukla	वेदेषु गृहस्थाश्रमवर्णनम् ।
6. Shri L. G. Shukla	महाभाष्यसूचीका ।

Name of the Contributor	Title
7. Shri M. V. Upadhyaya	महत्त्वदार्थपरामर्शः ।
8. Shri U. H. Shukla	प्रातिपदिकार्थपरामर्शः ।
9. Pt. Shri S. V. Bhattbhatt	लिङ्गार्थविमर्शः ।
10. Shri M. C. Jani	ग्रहवेधप्रकारोदनाद्यः ।

6. Literary, Cultural and Other Activities

(1) Five Teachers of the Pathashala gave extension lectures on—(i) मांडूक्योपनिषद्, (ii) ज्योतिषदृशाकुंभपूर्वविचारः, (iii) भक्तियोगः, (iv) योगदर्शनम् and (v) भारतीय दर्शनम्, under the auspices of Sharadopasak Mandal.

(2) Four eminent scholars were invited under the Extra Mural grant of the University and they delivered their lectures on (i) स्वरविचारः, (ii) अज्ञाननिरूपणम्, (iii) गणितगतवेधोपलब्धग्रहयोन्तरम् and (vi) ब्रह्मवादे जगद्विचारः.

(3) Principal H. C. Mehta delivered three popular lectures at Dabhoj, Baroda and Bombay on the Study of Ayurveda, Study of Sanskrit and Importance of Shrimad Bhagwat in Purana-Literature respectively.

(4) Shri Himatlal R. Thakkar and Sheth Shri Chaturbhujdas Chimanlal delivered lectures on (i) Our Glorious Past, (ii) Suddhadwaita respectively.

(5) The Institution celebrated the Jayantis of Valmiki, Shankaracharya, Vyasa and Kalidasa on 10th April, 5th May, 13th July and 5th October, 1965 respectively. The Sharadotsava was also celebrated in the month of October, 1965.

7. Co-curricular Activities

(1) The institution arranged an elocution competition in Sanskrit for the award of Shri Abhinav Sacchidanand Tirthaji Maharaja of Dwarka Sharda-peeth Silver Medal on 8th March, 1966.

(2) Sanskrit Kavi Sammelan was organised in the institution on 8th March, 1966. A number of leading Sanskrit poets of Baroda participated in Sammelan.

(3) A Parliamentary Debate in Sanskrit was held on the subject "Yajnyashyavashyakta", on, 21st February, 1966. Six Adhyapakas, three on each side, participated in it.

8. Other Important Events

(1) To commemorate the completion of the 50th year of its service to the advancement of Sanskrit Education, the institution celebrated the Golden Jubilee on 27th January, 1966. Professor P. J. Madan, Pro-Vice-Chancellor and Chairman of the Reception Committee in his welcome speech pointed out that Bharat cannot afford to neglect the study of Sanskrit as it is a language of its civilisation and culture. The Chancellor—Shrimant Maharaja Fatehsinhrao

Gackwar was pleased to inaugurate the function and in his inaugural speech stated that it would be a great misfortune for this country that a sort of apathy for the study of Sanskrit is being cultivated in the very land of its birth. He also stressed on the point that the study of Sanskrit Language and its Literature should be made compulsory for all, if Bharat wanted to remain Bharat. Dr. C. S. Patel, the Vice-Chancellor in his presidential address praised Sanskrit as a precious treasure of our heritage and that the University is contributing its best towards the promotion and development of Sanskrit Language and Literature.

A special issue of 'Surbharati' was published on the occasion. Saraswati Yag was performed and essay competition was arranged as part of the celebration.

(2) The following donations and gifts were received during the year.

(i) Rs. 5,000/- from Sheth Shri Chandravadan Chimanlal Zaverchand Laxmichand. (ii) Rs. 5,000/- from the Alembic Glass Works Co. Ltd., (iii) Rs. 500/- from Shri Hansraj Pragji Thackersey Educational Trust, Bombay, (iv) Twenty-two books from Shri S. V. Joshi of Rajpipla. (v) Fifty-one books from Shri J. B. Shukla of Baroda.

(3) The Shastri course in Sankhya-yoga Vedanta (Shankar) Darshan was started during the year.

CHAPTER XXI—PREPARATORY UNIT—ARTS AND COMMERCE

1. Courses of Study

The Preparatory Unit—Arts and Commerce provides Preparatory Courses of one year's duration each in Arts and Commerce.

2. Number of Students

	Boys	Girls	Total
Preparatory Arts	266	307	573
Preparatory Commerce	398	53	451
Total	664	360	1024

3. Staff

There is no separate teaching staff appointed for the Unit, but the staff members from the Faculty of Arts, Commerce, Science and General Education are teaching in Preparatory Arts and Commerce classes.

4. Library

Special arrangements are made in the General Education Library as well in the Central Hall of the Old Baroda College Building for reading during the free time.

5. Orientation Lectures

At the commencement of the first term of the academic year 1965-66, an Orientation Programme for the new students was arranged in the Auditorium of the General Education Centre.

Lectures on the importance of medical check up were arranged in the beginning of the first term. Dr. T. V. Patel, Convener, Medical Examination Board and Dr. Tailor, Health Officer addressed the students. Shri B. K. Naik, Director, Physical Education also addressed the students on medical examination at the Auditorium of the General Education Centre.

Shri Manubhai Patel, the Blind Artist addressed the students of Preparatory Arts and Commerce on 23rd and 24th April, 1965.

6. Co-curricular Activities

Students of this Unit arranged sports and games and garba competitions in February, 1966. Debates were also arranged. The winners of sports and debates were awarded prizes. Cultural Evening of this Unit was arranged on 28th February, 1966 at the General Education Auditorium.

7. Contribution to National Defence Fund

Students of Preparatory Arts and Commerce used to collect funds from their divisions once a week for the National Defence Fund. A total amount thus collected was Rs. 700/-. The students took part in different activities such as Rifle training, First Aid, Fire fighting, Blood donation, etc.

CHAPTER XXII—PREPARATORY UNIT—SCIENCE

1. Course of Study

The Preparatory Unit for Science was detached from the Preparatory Unit for Arts, Science and Commerce and it started its independent working from 1st May, 1965. The Unit provides instructions in Preparatory Science course of one year's duration.

2. Number of Students

During the year there were 746 men students and 118 women students. The total number of students was 864.

3. Staff

No separate staff is appointed for this Unit but competent staff members from different departments in the Faculties of Arts and Science and the General Education Department teach the students admitted to the Preparatory Science course.

4. Library

Special arrangements are made in the Central Hall in the Faculty of Arts for all Preparatory students to read during their free time.

5. Other Activities

(1) At the commencement of the first term of the academic year 1965-66, an Orientation Programme was arranged in the Auditorium of the General Education Centre.

(2) Lectures on the importance of Medical Check up and Personal Hygiene were arranged in the beginning of the First Term. Dr. Thakorbhai V. Patel, Convener, Medical Examination Board and Dr. M. H. Tailor, Health Officer, Professor G. G. Dadlani, Dean, Faculty of Social Work addressed the students and pointed out the advantages of the system. Shri B. K. Naik, Director, Physical Education Department also addressed the students on the importance of Physical Training, on 4th August, 1965 at the Auditorium of the General Education Centre.

(3) Shri K. J. Divetia, Dy. Chief Executive of Sarabhai Chemicals Ltd., gave an interesting and useful talk on "Pharmacy as a Career" on 22nd November, 1965.

(4) Film Show : The following films on Chemistry topics were projected specially for the Students of Preparatory Unit Science on 7th February, 1966 in the Auditorium of the General Education Centre:

- (i) Gases and how they combine, (ii) Gas Pressure and Collisions,
- (iii) Acid base indicators, (iv) Electrical interactions in Chemistry.

5 Co-curricular Activities

(1) Students of this Unit took part in the Inter-Faculty Sports Tournaments held during the year.

(2) One lady student was selected to present the University team at the Gujarat State Selection and Ranking Tournaments in Badminton held at Ahmedabad from 16th to 21st August, 1965.

(3) Three students were selected to represent the University team at the Inter-University Basket Ball Tournament held at Ahmedabad from 20th to 23rd November, 1965.

(4) Cultural Evening Programme was arranged on 21st December, 1965 at the Auditorium of the General Education Centre.

(5) Students of this Unit contributed Rs. 517-01 towards the National Defence Fund during the year 1965-66.

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

1. Brief History

The Padra Taluka Uchcha Sikshan Samittee, Padra has given a donation of Rs. 4,00,000 as against the condition of donation of Rs. 6,00,000/- laid down by the University and has also given about 4½ acres of land for starting a constituent College of the University at Padra. The College was started in July, 1965 and is named 'Shri M. K. Amin Arts College and College of Commerce'. It was inaugurated on 8th July, 1965 by Shri Hitendra Desai, the then Home Minister, Gujarat State. During the year 1965-66, the classes in Preparatory Arts and Preparatory Commerce were started from July, 1965. The Samittee has provided facilities for class-rooms, teachers' room, a room for the Principal's Office and a room for the administrative office in the building of the Vocational Training Centre.

2. Number of Students

The number of students enrolled in the different Classes at the commencement of the year 1965-66 was as under :

Class	Men	Women	Total
(1) Preparatory courses in Arts	46	20	66
(2) Preparatory courses in Commerce	55	00	55
	101	20	121

3. Staff

There are on the staff of the Unit one Head, two class III and three class IV servants. The teaching work is shared by the teachers of the Faculties of Arts, Science, Commerce and the Department of General Education. About eleven teachers from the various departments participated in the Preparatory work ranging from 2 to 4 periods per week.

4. Library

There is a separate Library for the Unit. Reading room and Library room facilities are also made available in one of the big halls of the college building. About 202 books were purchased and 58 books were added to the library of the Unit given by the University Library on loan. About 27 periodicals in English, Gujarati and Hindi are received by the Unit Library for the use of the students.

5. Co-curricular Activities

(1) N.C.C.:

The N.C.C. training is made compulsory for all the male students admitted to the Preparatory Unit. A special arrangement was made by the N.C.C. authorities to train 101 cadets at Padra.

(2) Sports:

Arrangements for the different games like Badminton, Table Tennis, Volley Ball, Football, Carrom, etc. were made for the students by the Unit during the year.

(3) Cultural Programme:

The Annual Day of the Unit was celebrated on 25th February, 1966.

6. Other Important Events

(1) In response to a letter from the Education Minister, Government of India, a Social Service Camp 'સમાજ સમાહ' of a week's duration was organised at Padra. It was inaugurated by the Vice-Chancellor on 26th January, 1966. Students of various Faculties and Institutions of the University and the members of the Union Executive Committee took part in the programme. The Local Municipal authorities also extended their co-operation for the success of the programme.

(2) The following Lectures were arranged during the year:

Name of the Lecturer	Date	Subject
1 Shri C. C. Mehta	8-10-1965	Taste in life and literature
2 Shri Parmanand Gandhi	6-12-1965	The role of students in the present day democracy in India
3 Shri R. P. Bhatt	15-2-1966	Before the Curtain Rises
	17-2-1966	The New Theatre of Gujarat

CHAPTER XXIV—POLYTECHNIC

1. Courses of Study

The Polytechnic provides instruction in courses leading to the Diploma in Civil, Mechanical and Electrical Engineering each of three years' duration. It also conducts the extended Diploma Courses in Civil, Mechanical and Electrical Engineering which are of four years' duration. The Polytechnic offers the following Diploma Courses in Engineering:

Name of Courses	Duration	Sanctioned Number of admission
1. Diploma in Civil Engineering	3 years	120
2. Diploma in Mechanical Engineering	3 years	150
3. Diploma in Electrical Engineering	3 years	90

2. Number of Students

The number of students enrolled in the various courses at the commencement of the year was as under:

	Men	Women	Total
<i>First Year Diploma</i>			
Civil Engineering	136	2	138
Mechanical Engineering	165	1	166
Electrical Engineering	114	1	115
Total	415	4	419
<i>Second Year Diploma</i>			
Civil Engineering	82	1	83
Mechanical Engineering	211	—	211
Electrical Engineering	122	—	122
Total	415	1	416
<i>Final Year Diploma</i>			
Civil Engineering	84	—	84
Mechanical Engineering	223	2	225
Electrical Engineering	149	1	150
Total	456	3	459
Grand Total	1,286	8	1,294

3. Staff

During the year the staff of the Polytechnic consisted of a Principal, 2 Professors, 2 Readers, 27 Lecturers, 33 Senior Instructors, 28 Junior Instructors, 7 Assistant Lecturers, 48 Class III and 57 Class IV Servants.

4. Library

Acquisition Notes :(1) *Books :*

Books and Periodicals were purchased from the recurring grants of Rs. 12,000 and Rs. 4,820. The following statement gives the details of acquisition of the Polytechnic Library during the year :

	Books and Bound Periodicals	Pamphlets	Manuscripts, Maps, Charts etc.	Total value in Rupees
Number at the beginning of the year	6,777	—	—	1,14,319-18
Number added during the year	1,078	—	—	14,816-35
	7,855	—	—	1,29,135-53
Number withdrawn from the record	15	—	—	149-50
Total	7,840	—	—	1,28,986-03

(2) *Periodicals :*

74 Periodicals and Journals are being subscribed for the Institution.

5. Laboratory, Workshops, etc.

Out of the amount of Rs. 10,82,000 sanctioned by the University Grants Commission for equipment, furniture and books, Rs. 8,652-78 were spent during the year and the total amount spent from this grant upto the end of the year is Rs. 10,77,122-28.

6. Publication by the members of the Staff

(1) *Books :*

Name of Author	Title of the Book	Name of the Publisher
R. C. Patel	Refrigeration and Air-conditioning	Acharya Book Depot, Baroda
R. C. Patel and A. D. Pandya	Elements of Machine Design	do
R. C. Patel and S. G. Desai	Electrical Technology	do
L. B. Shah, R. C. Patel and B. M. Patel	Kinetics	do
K. D. Shah and C. M. Amin	Electrical Engg., Vol. 1 Electrical Technology	Bindoo Book Stall, Baroda

7. Literary, Cultural and Other Activities

The Students' Association arranged lectures, talks and seminars on various subjects of general interest by prominent persons for the benefit of students and staff. Students of the final year classes took part in the seminars. They prepared and read papers on a selected theme relating to the subject of their studies and actively participated in the discussions.

8. Co-curricular Activities

(1) Exhibition of Educational Films:

Twelve films-hows were arranged to supplement class room teaching and to promote the general knowledge of students.

(2) Co-operative Store:

The working of this store was started jointly with the Faculty of Technology and Engineering. The articles for the normal use of an engineering student were made available at reasonable prices.

9. Research Hobby Club

Research Hobby Club was started six years before at the suggestion of late Prof. D. Subbarao, the then Dean of the Faculty of Technology and Engineering, M. S. University of Baroda, Baroda with a view to encouraging junior staff members and students to play with new ideas and develop a research aptitude as a hobby.

The Research Club started developing a method to use inferior indigenous asbestos for A. C. products and were successful to get asbestos wood to be incorporated in concrete Door Frame to ensure the required hinging arrangements for some other purposes and some other gadgets, mechanical and electrical, of use in every day life. Two years before, the Rural Development Officer, Godhra, requested the Research Hobby Club of our University to probe the possibility of improving the Sagol—ordinary kankar burnt and powdered lime, sold in the market as Sagol and extensively used in the building trade. The Research Club took up the subject for study and exploratory work and approach was to manufacture Cement with the plant and materials available in the country and technique known so that we may have inferior cement but best Sagol. A paper was presented and circulated to all people interested in the proposition.

Planning Commission sanctioned an out-right grant of about Rs. 3,00,000/- to the Government of Gujarat to set up a pilot plant at Baroda under the technical direction of the Research Hobby Club of the M. S. University. Gujarat Government accepted the grant and have now set up the plant and have commissioned it for the last three months. Research Hobby Club members were working during the last one year, worked out and analyzed different possible

methods and have evolved a procedure that could give a material more or less a standard Cement.

The working of the pilot plant has however indicated that it requires certain modifications and improvements in the Kiln so that the plant would be a commercial Unit competing even with the large scale manufacturing concerns.

This work should be done by a commercial, semi-commercial or research and action institutes as we have got in U.P. or per chance by small scale industries located all over the country or by Khadi and Village Board Organization. The Hobby Club feels that the role of the University has to be restricted to the development of the pilot plants offering its services of technical direction to any organization who will undertake to commercialize the process. It will be then possible to have small scale cement plants all over the country, utilizing the local deposits of suitable lime stones, eliminating transport bottle-necks and expenses and making available this essential material for community projects all over the country.

It was, therefore, suggested to the members of the Evaluation Committee who are kind enough to come to Baroda and have seen the pilot plant, to think of such research and action organizations all over the State to commercialize the pilot unit. The Research Club placed without any reservations, its services for technical direction and consultations in this type of development projects.

Last year, we were happy to have a donation of a Research Cell from Shri Nanubhai Amin, Director, Jyoti Ltd., Baroda, which has been installed by him with modern small machines so that a young under-graduate, graduate or post-graduate student would be able to produce something of his imagination and thus develop his own approach in the solution of the problems. This cell has now been commissioned and both, under-graduate, graduate, and post-graduate students and the junior members of the staff are taking advantage of this facility. If such donations flow to encourage its activities, there will be a climate of research in this Faculty.

CHAPTER XXV—SHRIMATI HANSA MEHTA LIBRARY

1. Acquisition Notes

(1) Books

The grant of Rs. 1,50,000/- sanctioned by the University Grants Commission for purchase of books and journals on Science subjects during the Third Five Year Plan period is fully utilized. The grant of Rs. 1,50,000/- for books and journals on Humanities and Social Sciences subjects sanctioned by the Commission for the Third Five Year Plan is being utilized. The Library also received as usual a grant of Rs. 30,000/- from the University for the purchase of books and periodicals and the same has been fully utilized.

There have been some noteworthy additions during the year viz., Library of Congress National Union Catalogues, 1958-1962, 54 Vols., Reports of Cases relating to Maritime Law, New Series ed. by J. P. Aspinall, 20 Vols.; How to do it Encyclopaedia, 16 Vols., World Review of Nutrition and Dietetics, ed. by G. H. Bourne, 5 Vols., Die Binnegewasser, einzeldarstellungen aus der Limnologie und ihren Nachbargebieten, ed. by A. Thienemann, Nos. 1-22, 1959-1965, International Review of Neurobiology ed. by C. C. Pfeiffer and J. R. Smythies, Vols. 2-7; A Dictionary of Social Sciences ed. by J. Gould and W. L. Kolb; Progress in Brain Research, 13 Vols.; Larouses Encyclopaedia of World Geography ed. by P. Deffontaines; The Executive Leadership Course, 6 Vols.; Gt. Brit. Committee on Higher Education: Report; Indian Linguistics, Vols. 9-15; Quarterly Journals of the Geological, Mining and Metallurgical Society of India, Vols. 26-35, 1954-1963; Quarterly of the Colorado School of Mines, Vols. 46-60, 1951-1965; Tschermarks Mineralogische und Petrographische Mitteilungen, Vols. 1-8, 1948-1963.

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

Institution	Number of Books
Shrimati Hansa Mehta Library (which includes the books for the Faculties of Arts, Science, Education and Psychology, Commerce, Law, Home Science and the Department of Museology)	7,596
Department of General Education and Preparatory Unit	276
Faculty of Technology and Engineering	1,916
Faculty of Fine Arts	100
Chetan Balwadi	86

Institution	Number of Books
Faculty of Social Work	184
College of Indian Music, Dance and Dramatics	178
Oriental Institute (Printed Section)	775
Polytechnic	1,078
Sanskrit Mahavidyalaya	101
Centre of Advanced Study in Education	1,960
M. K. Arts College and College of Commerce, Padra	202
Total	14,452

Out of these books 2,874 were received as gift.

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

	Books	Bound volumes of periodicals	Pamphlets	Manuscript	Maps, Charts etc.	Total value in Rs.
Number at the beginning of the year	2,04,990	21,286	10,331	247	706	30,22,961-32
Number added during the year	7,596	1,622	1,424	1	14	1,97,539-78
Number withdrawn from the records	—	—	250	—	—	—
Number remaining at the end of the year	2,12,586	22,908	11,505	248	720	32,20,501-10

(2) Periodicals:

The total number of periodicals and scholarly journals subscribed to now stands at 1,429; 1,622 volumes of periodicals bound were added to the stock during the year.

2. Cataloguing

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

(A) Books classified and catalogued during the year:	
(1) New accessions in Shrimati Hansa Mehta Library	7,449
(2) New accessions in the Faculties	7,003
Total:	14,452

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

	<i>Shrimati Hansa Mehta Library</i>	<i>Faculties</i>	<i>Total</i>
(1) Cards typed	18,623	35,015	53,638
(2) Cards filed in the catalogue	18,623	35,015	53,638

3. Circulation of Books, etc.

As usual, the working hours of the Library for the whole academic year i.e. from April, 1965 to March, 1966 (except for the months of May and June) were from 8-00 a.m. to 10-00 p.m. It also remained open on almost all Sundays and Holidays during the academic year.

This year also from July, 1965 the Central Hall Reading Room of the Baroda College Building was kept open for the use of Preparatory and First Year students in Arts, Commerce, Science, etc. This reading room accommodates 225 readers and contains all the prescribed and recommended books for the Preparatory and First Year students. Some periodicals of general interest were also displayed in the reading room. It remained open throughout the academic year including Sundays and Holidays.

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

(1) Post-graduate students	1,223
(2) Under-graduate students	6,381
(3) Research students—Scholars and Research Assistants	107
(4) University teachers	712
(5) Others	536
Total :	8,959

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

(1) Daily average number of readers visiting the Library (including the Reading Room of the Central Hall)	2,550
(2) Total number of books issued per day for reading	1,273
(i) Average number of books issued per day for home-reading from general collection	293
(ii) Average number of books issued per day from Curricular collection (including the Reading Room of the Central Hall)	654
(3) Average number of books issued per reader in the year	41

4. Reference Section

(1) Exhibitions :

The following exhibitions were arranged by the Reference Section this year:

- (i) During Indo-Pakistan conflict in August-September, 1965 a full size map of India was prepared and exhibited in the Library, showing day-to-day position of our defence forces.
- (ii) Selected books, periodicals and pamphlets on "India-Productivity" were exhibited in the first week of January to celebrate "IPY 1966", as requested by the National Productivity Council, New Delhi.
- (iii) "Our Beloved Shastriji"—An exhibition, on Shastriji's Life and Work, with coloured album, photographs and special articles, written on him, along with the full text of Tashkent declaration was arranged.

Besides these, weekly exhibitions of selected new books were also organized.

(2) Bibliographical Activity :

The following bibliographies were compiled during the year :

- (i) A list of Books on "Productivity", (ii) A list of Urdu and Persian dictionaries, (iii) A list of Books on Wood Carving, (iv) A list of Books on "Indian Literature and its relationship with other activities of Life and Society", (v) A list of Books on "Creativity in education of the Child through arts."

The Reference Section also prepared a descriptive list of Ph.D. Theses received in the Library during the year 1965-66.

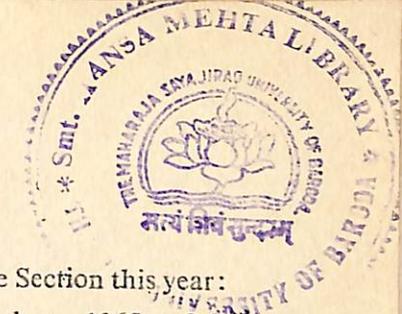
5. Teaching of Library Science

Fourteen students were admitted to the course this year. All the fourteen students and two ex-students appeared at the Diploma in Library Science examination out of which fourteen came out successful—two in first class, ten in second Class and two in pass class.

6. Other Activities

- (1) Dr. C. P. Shukla worked on Planning Commission's Working Group on Library Development during the Fourth Plan.
- (2) Dr. C. P. Shukla took up for one year the appointment as Unesco expert for Libraries to the Haile Sellassie 1 University, Addis Ababa, Ethiopia.

293
x 3 no. Days
87900



CHAPTER XXVI—THE MAHARAJA SAYAJIRAO UNIVERSITY
OF BARODA PRESS

1. Staff

During the year, the staff of the Press consisted of a Manager, a Deputy Press Manager, a Senior Clerk Accounts-cum-Store-keeper, one Head Proof-reader, one Senior Proof-reader, one Junior Proof-reader and a Clerk. There are 39 permanent workers in the Press.

2. Machinery

The Press has machinery worth about Rs. 1,91,412 including machines worth Rs. 1,19,350 purchased from the grant of the University Grants Commission.

3. Printing Activities

During the year 875 plus 139 examination papers were printed under conditions of secrecy for the University Examinations. The Press also printed Syndicate and Senate Proceedings, Handbook, Annual Report, Annual Accounts, Budget Estimates, Pamphlets, Certificates, General Forms, Lists, Prospectus, Questionnaires, Magazines etc. of the Faculties and Institutions.

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

Name of the Book	Publisher
1 Apni Kavita Samriddhi	Faculty of Arts
2 The Theory of Futures Trading	Faculty of Arts through M/s. Asia Publishing House P. Ltd., Bombay
3 Bhalan-krit-Nalakhyana	Faculty of Arts
4 Truth and Beauty	Faculty of Arts
5 Devni Mori	Faculty of Arts
6 Flora of Pawagadh	Faculty of Science
7 Geography Research Paper Series II—Functional Classification of Towns in Gujarat	Faculty of Science
8 An Investigation into the English composition work of Secondary School Children	Faculty of Education and Psychology
9 An Aptitude Test for Secondary School Teachers	Faculty of Education and Psychology
10 Gujarati Swaravyanjana-Mala	Faculty of Education and Psychology

Name of the Book	Publisher
11 Curriculum Improvement in Secondary Education Curriculum—Monograph C3	Centre of Advanced Study in Education
12 Language Monograph L-1 Teaching of Primary and Secondary Language	Centre of Advanced Study in Education
13 A Symposium for Evaluation of our Educational Standards—A Report	Centre of Advanced Study in Education
14 Research Abstract No. E4 1964-65	Centre of Advanced Study in Education
15 Social Work Review	Faculty of Social Work
16 Ramashatak G.O.S.-147	Oriental Institute
17 Mirat-e-Ahmadi G.O.S. 146	Oriental Institute
18 Sankha-Parabhava-Vyayoga G.O.S. 148	Oriental Institute
19 Palm-leaf Catalogue MSS in Jain Bhandar at Cambay—Part II	Oriental Institute
20 Vikran ankabhyudayanka G.O.S. 150	Oriental Institute
21 Bhimavikrama Vyayoga G.O.S. 151	Oriental Institute
22 Sitar Darpana	College of Indian Music, Dance and Dramatics
23 Understanding Bharat Natyam	College of Indian Music, Dance and Dramatics
24 Preservation of Biological Specimens	Department of Museology
25 Studies in Museology, Vol. II	Department of Museology
26 Community Development and Change in India—Report	V. T. K. Institute of Rural Development, Samiala
27 Recent Trends in the work of the Council of Scientific and Industrial Research and Importance of Ocean Research in India	The M. S. University of Baroda
28 Standardisation of Silent Reading Tests in Gujarati for Secondary Schools	The M. S. University of Baroda
29 Earning One's Livelihood in Mahuva	The M. S. University of Baroda through M/s. Asia Publishing House P. Ltd., Bombay
30 Bibliography of Stageable Plays in Indian Languages, Part II	The M. S. University in collaboration of other institutions

<i>Name of the Book</i>	<i>Publisher</i>
31 Handbook Part III—Faculty of Home Science	The M. S. University of Baroda
32 Handbook Part III—Faculty of Social Work	The M. S. University of Baroda
33 Handbook Part III—Faculty of Law	The M. S. University of Baroda
34 Handbook Part IV, 1965	The M. S. University of Baroda
35 Sixteenth Annual Report	The M. S. University of Baroda

(2) The following journals were printed during the year :

(i) The Journal of Maharaja Sayajirao University of Baroda (Science, Humanities), (ii) The Journal of Oriental Institute (Quarterly), (iii) The Journal of Animal Morphology and Physiology (Half yearly), (iv) The Education and Psychology Review (Quarterly), (v) PAVO (Half yearly), (vi) Swadhyaya (Quarterly), (vii) Advances in Education (Quarterly).

4. University Stationery Unit:

This Unit is a service department of the University and is under the supervision and control of the University Press Manager. It purchases and distributes Stationery every quarter to all the Faculties, Institutions and the University Office. It has a staff of one Senior Clerk, One Stationery Stock Assistant, One Riksha Driver-cum-Stationery Distributor and One Helper. During the year, Stationery worth Rs. 1,27,599 was purchased and worth Rs. 1,44,369 was distributed.

5. University Publications Sales Unit:

This Unit is also under the control and supervision of the University Press Manager. The establishment consists of a senior clerk, a clerk and outdoor-work assistant/attendant. It is working as the book-shop for University Publications. The total sale of books during the year was Rs. 52,443.

CHAPTER XXVII—THE MAHARAJA SAYAJIRAO UNIVERSITY UNION

During the academic year 1965-66, Sarvashri K. K. Thakore and R. D. Pandya continued to be the President and the Treasurer of the Union. Shri K. K. Thakore left the Union on 31st August, 1965 and Dr. B. G. Desai took over the charge of the President from 1st September, 1965. The usual elections were held on 24th and 29th July, 1965 and the following Executive Committee was formed for the year 1965-66:

1. Shri K. K. Thakore (upto 31-8-1965) Dr. B. G. Desai (from 1-9-1965)	President
2. Shri R. D. Pandya	Treasurer
3. Shri Jashbhai S. Patel	Vice-President
4. Shri Niranjana M. Shah	General Secretary
5. Shrimati Bhanuben M. Patel	} Members nominated by the Syndicate
6. Shri Bhailalbhair Contractor	
7. Kumari Pallavi M. Parikh	
8. Kumari Neela Patel	

In addition to the above there were other 23 members who were the representatives of different Faculties and teaching institutions of the University.

The following members were deputed to the University Students' Welfare Board, University Board of Sports and University Students' Aid Fund Committee:

1. University Students' Welfare Board	1. Shri Jashbhai S. Patel
	2. Shri Suresh G. Patel
	3. Kumari Elizabeth Matthan
2. University Board of Sports	1. Shri Nagin Patel
	2. Shri K. D. Patel
3. University Students' Aid Fund Committee	1. Shri Niranjana M. Shah
	2. Shri Suresh G. Patel
	3. Shri Ramesh J. Desai

The year commenced with the emergence of hostilities on account of the Pakistani aggression on our territory and as such it was not possible to undertake all the usual activities. However the emergency opened up a new field of activities for the Union. The Union commenced with a number of activities which contributed towards aiding defence efforts. It organised a Vigilance Squad, a Fire Fighting Demonstration, First Aid Classes and a Squad for hospital duties. The collection work for the National Defence Fund was

started and the Entertainment Committee of the Union organised an Entertainment Programme and collected an amount of Rs. 19,553-12. The amount was presented to the Vice-Chancellor on 20th January, 1966.

2. Activities of the Sub-Committees

The M. S. University Union Executive Committee formed sub-committees for various Union activities keeping in view the aims and objectives laid down in the constitution of the Union. The different sub-committees carried out the following activities during the year:

(1) Badminton Committee

Out-door Badminton Courts were opened in the Medical College, Music College, Shri M. K. Amin Arts College and College of Commerce at Padra and in the Adhyapak Kutirs. The University Badminton Champion—Shri Nandu Godse—won consecutively for the fifth time in the Gujarat State Open Badminton Tournament and maintained the Championship. The University team was sent to participate in the Inter-University Badminton Tournament.

(2) Indoor Games

Open University Table Tennis Tournaments were held in the month of October and Shri Deepak Chavan and Kumari Sunanda Pendse carried away the Championship. The Inter-University Table Tennis Tournaments (men) were held at Bombay and our students gave a good performance.

(3) Poor Boys Library

This year the Union provided for an additional books costing Rs. 7,000/- for the Poor Boys Library. 400 students took advantage of it.

(4) Reading Room & Library

The Union increased the number of Daily Newspapers, Weeklies, Magazines, good books, etc. A good number of students took advantage of the Reading-room.

(5) Debating Society

About a dozen of debates were organised and speakers were sent to contest in the debates at Allahabad, Calcutta, Ahmedabad, Jaipur and Delhi. Kumari Saroj Rana, Sarvashri Suresh Thakore and Y. R. Shukla won individual prizes at Allahabad, Ahmedabad and Delhi respectively. This year a Training Centre for Debators was started with a view to searching the potential talents amongst students and harnessing them to advantage.

(6) Discussion Group

The Discussion Group organised a number of Discussions during the year.

(7) U. N. O. Society

The U. N. O. Human Rights Day and the International Co-operative Day were celebrated by organising a Symposium which turned out to be an interesting Discussion.

(8) Emester

Like last year the activity of publishing the Emester was continued this year also. Six issues were published. A special emergency issue was also brought out on 12th September, 1965.

(9) Social Service Camp

Under the scheme of the Ministry of Education, a Social Service Camp was organised from 26th January to 1st February, 1966 at Padra. The project was undertaken in 3 phases: (i) Saphai of the Village, (ii) Construction of an approach road to Padra, (iii) Filling up of Sockpits. There was a good response and co-operation from the students and the Local workers of Padra.

3. Visitors

(1) International Living Students' Delegation, (2) Shri Satish Kapoor, Sarvodaya Leader, Mysore State, (3) Dr. A. G. Nelson, Professor of Guidance, University of Cornell (Ithaca), visited the Union, met the Executive members at Tea and exchanged views on students' problems.

CHAPTER XXVIII-GENERAL EDUCATION CENTRE

1. Brief History

During the formative years of the University when new Faculties were being established and old ones consolidated, considerable thinking was done on the place General Education should have in the total academic programme of the University. It was felt that while a University should make provision for specialised studies in the various fields of knowledge, it should also provide for the basic requirement, that every student, no matter what his speciality, has some understanding of the physical world, in which he lives, an appreciation of the complex social relationships by which he is surrounded and a grasp of human values which can be developed through contact with Art, Literature and the Humanities. In other words, it was necessary to find a place for the elements of liberal education alongside highly specialised studies.

To fulfil this need, the University accepted the principle that General Education should be an important complement to specialisation. Accordingly, a beginning was made as early as 1953 when a programme of General Education lectures and discussions was arranged for the Final Year students of the Arts, Science and Commerce degree classes. The results of this exploratory work were encouraging. Members of the staff gained a better understanding of the aims and techniques of General Education through experience of working the pilot project, as well as through visits to foreign Universities and contacts and discussions with experts in the field. As a result, a comprehensive scheme was undertaken from June, 1957 embracing the Preparatory classes and, the First and Second Year Degree classes in Arts, Science, Commerce, Fine Arts and Home Science as well as the Pre-Medical year and the First Year of the Engineering. The Preparatory Course was reorganised making General Education an integral part of its curriculum.

2. Organisation

The General Education Advisory Committee consisting of the Vice-Chancellor, Pro-Vice-Chancellor, Deans and other members, advises the University authorities on all matters pertaining to the General Education Programme for the various Faculties of the University matters regarding the selection of the General Education courses, preparation of reading material, system of Tests and Grade etc.

3. Building and Equipment

Classes meet in the General Education Centre. The General Education Centre constructed and equipped with the Ford Foundation Grant of \$ 4,30,000

came into operation from June, 1963. The Auditorium has also been completed and put to use. The Language Laboratory and the Music Rooms are equipped with furniture and instruments.

4. Students under the Programme

The General Education programme was organised this year for the Faculties of Arts, Commerce, Science (including Pre-Medical), Home Science, Fine Arts and Technology and Engineering. The programme in each of these Faculties was offered to the First and Second Year of the Three Year Degree course, the final year of the degree course being entirely devoted to the optional or special studies.

The total number of students under the General Education Programme from the various faculties is as follows :

Sr. No.	Faculty & Class	Division	Total Number of students
(1)	<i>Faculty of Arts:</i>		
	F.Y.B.A.	4	484
	S.Y.B.A.	2	361
(2)	<i>Faculty of Science:</i>		
	Pre-Medical	1	193
	F.Y.B.Sc.	1	205
	S.Y.B.Sc.	1	193
(3)	<i>Faculty of Commerce:</i>		
	F.Y. Commerce	3	438
	S.Y. Commerce	3	474
(4)	<i>Faculty of Technology & Engineering:</i>		
	F.E. Engineering	4	449
(5)	<i>Faculty of Fine Arts (including College of Indian Music, Dance & Dramatics):</i>		
	II Year	1	22
	III Year	1	18
(6)	<i>Faculty of Home Science:</i>		
	II Year	1	144
	III Year	1	136
Total:			3,117

This does not include about 2,200 students of the Pre-University year who take compulsory courses in English language, Indian literature, Social Studies and Science.

5. General Education Courses

The following are the General Education Courses for the year:

(i) Humanities (including literature and art appreciation), (ii) Story of Human Civilization, (iii) On Values of Life, (iv) Social, political and economic problems of India, (v) Science on its impact of life.

These courses were distributed over two years in the various classes as shown below:

Class	Division	Courses taken in each class
<i>Faculty of Arts :</i>		
F.Y.B.A.	Three	(1) Human Civilization
S.Y.B.A.	Two	(2) Science and its impact on life
<i>Faculty of Science :</i>		
F.Y.B.Sc.	One	(1) Human Civilization (2) Art Appreciation or values of life
<i>Pre-Medical :</i>		
	One	(1) Statistics (2) India's Social, Political and Economic Problems (3) Art appreciation or values of life
S.Y.B.Sc.	One	(1) Our Political and Economic Problems of India (2) Reading from Drama (English and Sanskrit) (3) Art Appreciation or Values of Life
<i>Faculty of Commerce :</i>		
F.Y. Commerce	Three	(1) Human Civilization
S.Y. Commerce	Three	(1) Achievement of Science and its impact of life (2) Art Appreciation or Values of Life
<i>Faculty of Technology & Engineering :</i>		
F.E.	Four	(1) India's Political and Economic Problems (2) Art Appreciation or on Values of Life
<i>Faculty of Home Science :</i>		
S.Y. Home Science	One	(1) Human Civilization
T.Y. Home Science	One	(1) Our Economic and Political problems of India (2) Art Appreciation or on Values of Life

Class	Division	Courses taken in each class
<i>Faculty of Fine Arts :</i>		
S.Y. Fine Arts & Music		(1) Civilization and Science
T.Y. Fine Arts & Music		(1) India's Political and Economic Problems (2) Values of Life

6. Teaching Staff

The General Education Centre has a nucleus staff of eight teachers who not only teach in General Education and the Pre-University classes, but help in the preparation of reading material and organisation of the programme. Besides, the General Education work is shared by about forty other teachers from the various departments of the University.

7. Library

The total amount spent on the Library during the year was about Rs. 3,000 with the addition of about 300 books this year at a cost of Rs. 2,000. The total number of books selected for General Education stands at about 2,000, the cost being Rs. 8,500 approximately. The Library at the General Education Centre is specially used by the students when they come to the Centre for classes. Every student has to spend at least four hours per month in the library reading for General Education.

8. Interest in General Education

Students' interest is certainly on the increase. The University examination in General Education has definitely been the major factor at work. But both attendance and performance have been much better even in those courses where there was no examination at all. For example, quite a large number of students participated in the Art Studio Programme and their interest in Clay-Work, or Painting has received recognition even from experts like Dr. Mulk Raj Anand who was among the Visitors to the Centre this year.

Not only has the attendance at classes been better than last year, but a large number of students have been making use of the small library at the General Education Centre, and writing out the given assignments: F.Y. Arts and F.Y. Com. students who had been more indifferent so far submitted their essays in large number (260 out of 480 Arts: 170 out of 430 Commerce). F.Y. Sc., S.Y. Sc., and Pre-medical students took the Terminal Examination also and complained that these marks were not counted towards the final assessment.

By and large, therefore, it can be said that students have accepted the General Education Programme as an integral part of their studies at this University and have appreciated the importance given to the programme by the authorities,

9. Other Events

(1) General Education Programme at a higher level, has been extended to the B.Sc. (Electronics) students at the suggestion of the University Grants Commission.

(2) A number of exhibitions and film shows were arranged this year for the benefit of students taking the Science Courses.

CHAPTER XXIX--STUDENTS' WELFARE ACTIVITIES

1. Halls of Residence

The University, being residential, makes constant efforts to increase and improve residential accommodation for its students. At its start in 1949, the University had accommodation for 200 men students in rented buildings and another 200 men students in University owned buildings. There was no hostel accommodation for women students. At the end of academic year 1965-1966 there are ten Halls for men and three Halls for Women students. The new Hall for women viz. Kasturba Gandhi Hall is ready for accommodation from 1st term of 1966-67. The general policy of the University is to distribute students from various faculties in different Halls so that every Hall has students from different Faculties. The University looks upon this as an important step towards promotion of emotional integration amongst the students and towards awakening their awareness and interests in areas other than their own.

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

At the end of the year under report, 1912 men students and 717 women students were in residence in different Halls as against 1735 men students and 697 women students at the end of the previous year. The annexed statement gives the break-up of these students by Halls and Institutions. Administration of the Halls was carried on with the help of the Advisory Committee of the Halls of Residence and of the Wardens' Committee. All the Halls have been provided with Common Rooms, generally used as Library-cum-Reading Room also. Indoor games are also provided in all Halls.

The University Health Centre dispenses ordinary medicines and provides treatment to the students of the Halls free of charge. In urgent cases, the Medical Officer attends the students in their rooms free of charge. The Medical Officer also visits each Hall once a month and inspects sanitation and messes.

As usual, Cultural and Social activities were organized by the following Committees for each Hall :

(i) Food Committee, (ii) Sports Committee, (iii) Entertainment and Debate Committee, (iv) Reading Room and Library Committee, (v) Health and Sanitation Committee.

THE MAHARAJA SAYAJIRAO UNIVERSITY HALLS OF RESIDENCE, BARODA

A Statement of students admitted in 1965-66

Faculty	Shri K. M. Munshi Hall	Shri Manubhai Mehta Hall	Shri Sardar Patel Hall	Shri Maharshi Aurobindo Hall	Professor T. K. Gajjar Hall	Dr. Jivraj Mehta Hall	Shri Rabindranath Tagore Hall	Shri M. Vishveshvaraya Hall	Siddharaj Jaysinh Hall	Shri Dadbhai Naoroji Hall	Total Men Students	Smt. Sarojini Devi Hall	Smt. Hansa Mehta Hall	Pandita Gargi Hall	Total Women Students	Grand Total
Preparatory Unit	32	17	19	17	50	23	36	35	36	9	274	20	18	15	53	327
Faculty of Arts	6	7	5	4	4	7	6	7	8	7	61	55	50	39	144	205
Faculty of Commerce	8	15	11	13	29	19	18	21	23	8	165	6	6	4	16	181
Faculty of Science	24	22	46	21	30	37	14	21	20	22	257	32	12	21	65	322
Faculty of Education and Psychology	3	—	2	3	8	—	—	—	3	2	21	17	11	17	45	66
Faculty of Technology and Engineering	76	91	74	106	71	54	72	82	56	17	699	3	5	2	10	709
Polytechnic	2	8	4	10	7	5	45	34	42	—	157	—	2	—	2	159
Faculty of Medicine	16	22	14	18	29	51	25	19	11	8	213	20	13	16	49	262
Faculty of Social Work	—	3	2	1	5	2	2	3	3	3	24	3	1	5	9	33
Faculty of Fine Arts	3	4	8	1	—	5	—	5	1	1	28	10	8	2	20	48
College of Indian Music, Dance and Dramatics	—	—	—	1	—	—	—	—	—	—	1	5	1	10	16	17
Faculty of Law	—	—	3	1	—	—	1	2	1	1	9	1	2	1	4	13
Faculty of Home Science	1	1	—	1	—	—	—	—	—	—	3	99	89	96	284	287
Total	171	190	189	196	233	203	219	229	204	78	1912	271	218	228	717	2629

Meetings and talks were arranged, musical and social evenings were organised and games, tournaments and debates were held in different Halls during the year. National days like Independence Day, Republic Day, Health Day etc. were also celebrated. Students of all the Halls have generously contributed to the National Defence Fund.

2. Health Centre and Medical Examination

During the year, staff of the Health Centre consisted of one Medical Officer, one part-time Lady Doctor, one Compounder-cum-Clerk, one Laboratory-cum-X-ray Technician, one Nurse, one Sanitary Inspector, and three Hamal-cum-Sweepers. The Centre provides the integrated health care for the students, members of the staff and their families. There is a regular medical check-up of the students in the first year and later in the alternate year by the Medical Inspection Board in S.S.G. Hospital. During the year, 3542 students reported for medical check-up. Out of these, 1441 students were recommended follow-up advice and treatment for various disorders. The fluoroscopic examination of the chest revealed 3 students to be suffering from pulmonary tuberculosis and 1 student from cystic disease of the lung. Out of 1441 students, 499 were followed up for treatment or advice at the Health Centre.

145 Mess servants of various Halls of Residence were examined, 48 servants showed evidence of various parasitic infection. Fluoroscopic chest examination did not reveal any abnormality.

16214 patients were treated at the Health Centre Clinic. Out of these, 5419 (33.36%) were members of the staff and their families and 10795 (66.64%) were students. The daily average attendance was 44.4. The total number of laboratory investigations such as stool, urine and blood examination was 570 and that of fluoroscopic examination, 192 and that of X-ray examination of chest, bones, etc., 30. The monthwise morbidity statement of the patients attending the Health Centre Clinic for the year 1962-63, 1963-64, 1964-65 was completed.

Publications :

Name of the Authors	Title	Name of the Journal and Month of Publications
(1) Dr. M. H. Tailor Dr. M. K. Oza Dr. M. G. Desai Dr. B. T. Dave	Heredity in Diabetes Mellitus	Journal of the Indian Medical Association, Vol. 45, No. 4, 1965, pp. 191-195.
(2) Dr. M. H. Tailor	The Inheritance of Diabetes Mellitus	"Madhumeha", The Journal of the Diabetic Association of India, Vol. 6, No. 2, 1965, pp 81-84.

Name of the Authors	Title	Name of the Journal and Month of Publications
(3) Dr. B. S. Verma Dr. M. H. Tailor	Familial tuberous sclerosis: A review with report of three cases	Indian Paediatrics, Vol. 2, No. 11, 1965, pp. 401-409
(4) Dr. M. H. Tailor Dr. B. T. Dave Dr. N. M. Bhatt Dr. T. V. Patel	Nutritional Studies in M. S. University Students	Indian Journal of Medical Sciences, Vol. 20, No. 5, 1966, pp. 329-337.

The works regarding the study of 'Tuberculin status of the children attending the paediatric out-patient department' and the use of 'Alcopar in the treatment of Ankylostomiasis' are in progress in collaboration with the Departments of Paediatric and Medicine, Medical College, Baroda respectively.

3. Physical Education Department

(1) Staff:

The Director of Physical Education (who also acts as Ex-Officio Secretary of the University Board of Sports), four Physical Instructors, two Lady Physical Instructors, three Swimming Trainers and one Boating Trainer.

(2) Auxiliary Cadet Corps:

Two years A.C.C. Training is compulsory for all women students excepting those who are selected for N.C.C., Games, Swimming and Boating. During the year 557 women students were imparted training in Drill, P.T. and Games.

(3) Major Games:

Cricket, Hockey, Football, Basketball, Volleyball, Kho-Kho, Kabaddi, Tennis, Badminton, Table Tennis, Throwball and Netball were organised and conducted by the Physical Instructors and Officers-in-charge of Games. More than 500 students including women students participated in these activities.

(4) Swimming and Boating:

627 members and 149 members were imparted training in Swimming and Boating respectively. 1277 guests also took advantage of the Swimming Pool. The Finals of the Annual Boating Competitions and Demonstrations in Boating were held on the Republic Day. Prizes and Trophies were distributed to the winners.

(5) Tournaments and Competitions:

Cricket, Hockey and Football Teams participated in League Tournaments held in Baroda. Football Team were runners-up in this tournament. Tennis, Table Tennis, and Badminton Teams participated in the Gujarat State Championships held at Ahmedabad. Shri A. D. Godse (Captain of University

Badminton team) won the Gujarat State Badminton Championship and open Baroda Badminton Championships. Shri Pradip N. Sheth (Manager of University Table Tennis Team) won the Gujarat State Table Tennis Championship held in Baroda.

(6) Training of University Team:

The Training of various University Teams was organised and conducted by the Physical Instructors and the Officers-in-charge of Games.

(7) Inter-University Tournaments:

University Cricket, Hockey (men and women), Football, Basketball, Tennis, Badminton (men and women), Table Tennis, Kabaddi, and Kho-Kho (men and women) teams were sent to participate in the Inter-University Tournaments.

Cricket team defeated Shivaji University but lost to Poona. Badminton team (men) defeated Shivaji and Vikram Universities but lost to Jabalpur. Tennis team lost to Gujarat 3-1. Kho-Kho team (women) defeated Bangalore University but lost to Poona. Kho-Kho team (men) defeated Bombay, Mysore and Poona Universities and won the All India Inter University Kho-Kho Championship held at Bangalore.

(8) Inter-Faculty/Institution Tournaments:

Tournaments	Winners	Runners-up
(i) Cricket	Faculty of Commerce	Faculty of Arts
(ii) Tennis	Faculty of Medicine	Faculty of Commerce
(iii) Table Tennis	Faculty of Technology and Engineering—A	Faculty of Technology and Engineering—B

(9) Individual Championships:	Activity	Winners	Faculty/Institution
(i)	Tennis	A. S. Sharma	Technology and Engineering
(ii)	Badminton	A. D. Godse Kaushalya Rana	Technology and Engineering Arts
(iii)	Table Tennis	D. S. Chavan Sunanda Pendse	Arts Home Science

(10) Participation in National Championships:

- (i) Seven members of University Cricket team played for the Baroda Cricket Association in the National Cricket Championship.
- (ii) Seven members of University Kho-Kho team played for the Gujarat State Kho-Kho Association in the National Kho-Kho Championship.

(iii) Shri A. D. Godse (Captain of University Badminton team) played for the Gujarat State Badminton Association in the National Badminton Championship.

(iv) Shri H. C. Menezes played for the Gujarat State Hockey Association in the National Hockey Championship.

4. National Cadet Corps

The following N.C.C. Units carried out their usual activities during the year:

- (1) 3rd Gujarat Battalion N.C.C.
- (2) 5th Gujarat Girls Battalion N.C.C.
- (3) 2nd Gujarat Engineers Regiment N.C.C.
- (4) 2nd Gujarat Medical Company N.C.C.
- (5) 1st Gujarat Air Squadron N.C.C.
- (6) 3rd Gujarat Technical Air Squadron N.C.C.
- (7) 19th Gujarat Battalion N.C.C.
- (8) 1st Gujarat Signal Regiment N.C.C.
- (9) 12th Gujarat Battalion N.C.C.
- (10) 9th Gujarat EME Unit N.C.C.

A report of the activities carried out is given below :

- (1) *3rd Gujarat Battalion N.C.C.*

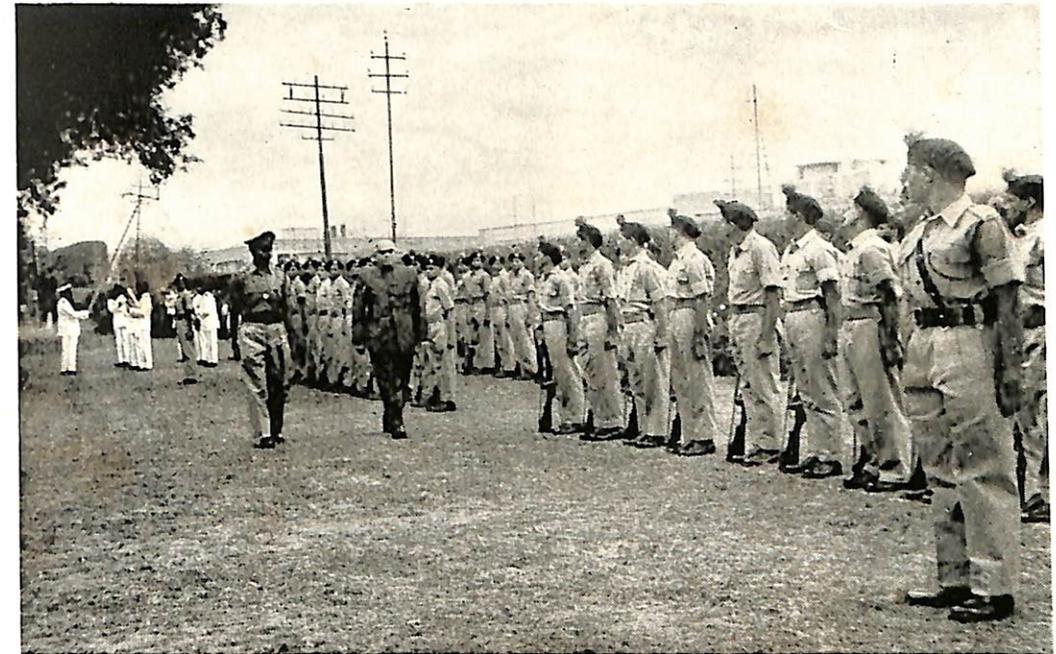
The strength of the Units is 7 N.C.C. Officers and 1332 Cadets of different Faculties and Institutions of the University.

Annual Training Camp for the Senior division cadets was held at Baroda from the 12th to the 21st October, 1965 in which 7 N.C.C. Officers and 877 cadets participated. Annual Training Camp for Junior division troops was also held at Baroda. It was attended by 4 Officers and 99 cadets.

The following examinations were held during the year :

<i>Examination</i>	<i>Number appeared</i>	<i>Number passed</i>	<i>Percentage</i>
1. 'B' Certificate	55	47	85.45%
2. 'C' Certificate	10	9	90%

Three cadets were attached to Meerut Cantt. with the Dogra Regiment Centre for one month in order to have service experience. One cadet was deputed to Manali for Basic Mountaineering course and the other for Advance Leadership course. Two cadets attended the Summer Training camp at Mount Abu. One cadet was selected for the Republic Day Parade at Delhi. Annual Day function was held on 10th February, 1966. Large number of cadets attended the function.



Professor M. S. Thacker inspecting the Guard of Honour provided by the 12th Gujarat Battalion N.C.C. Cadets

(2) *5th Gujarat Girls Battalion N.C.C.*

One additional company has been attached to this Unit with effect from 1st June, 1965 making the strength of the Unit as 5 Senior Division Companies consisting of 7 Officers and 1000 cadets. As N.C.C. is not compulsory for Girls, the actual strength is 4 Officers and 524 Cadets. Besides this, 7 Junior Division Troops of seven girl schools have been attached to this Unit. The strength is 7 Officers and 500 Cadets.

Annual Training Camp for Senior Division cadets was held at Baroda from 26th October, 1965 to 4th November, 1965. The Annual Training Camp for Junior Division cadets was also held at Baroda from 17th to 23rd October, 1965. 2 Officers and 163 cadets attended. 8 cadets attended the All India Summer Training Camp at Dakshai in May, 1965.

'G' Part I and 'G' Part II examinations were held in February-March, 1966. 49 cadets appeared for 'G' Part I and 3 cadets appeared for 'G' Part II Examination. 'J' Part I and 'J' Part II examinations were held in March-April, 1966 in which 191 and 25 cadets respectively appeared.

(3) *2nd Gujarat Engineers Regiment N. C. C.*

The actual strength of the Unit is 1 Regular Officer, 3 Part-time Officers and 377 cadets against the authorized strength of 2 Regular Officers, 3 Part-time Officers and 400 cadets.

Annual Training Camp was held at Ambarnath from 26th December, 1965 to 4th January, 1966. 161 Cadets attended the Camp. One cadet attended the Social Service Camp at Ugat and another cadet attended the Advance Leadership Course at Manali in May, 1965. One cadet was attached to Regular Army Unit at Rangiya in June-July, 1965. Two cadets were deputed for conversion course training at CME, Kirkee, Poona.

The following examinations were held during the year :

Examination	Number appeared	Number passed	Percentage
1. 'B' Certificate	17	13	76.47%
2. 'C' Certificate	5	2	40%

(4) *2nd Gujarat Medical Company N.C.C.*

The actual strength of the Unit is 1 N.C.C. Officer and 167 cadets against the authorized strength of 2 Officers and 252 cadets. The training started in the second week of June, 1965 and continued till the second week of February, 1966.

Annual Training Camp was held at Hyderabad along with other medical Units of Gujarat State from 24th December, 1965 to 6th January, 1966. 119 cadets of the Unit attended the camp. One cadet attended the Advanced Leadership course at Manali from 27th May, 1965 to 16th June, 1965. Another cadet attended the All India Summer Training Camp at Mount Abu in May 1965.

Certificate 'B', 'C', 'G' Part I and II were held during the year. The result is shown below.

Examination	Number appeared	Number passed	Percentage
1. 'B' Certificate	12	9	75%
2. 'C' Certificate	7	6	85.7%
3. 'G' Part I	8	8	100%
4. 'G' Part II	4	4	100%

(5) *1st Gujarat Air Squadron N.C.C.*

The authorised strength of the Unit is 2 N.C.C. Officers and 200 cadets. At present this Unit is holding 4 Junior Division Troops. The actual strength is 3 Officers and 400 cadets. The cadets were given training in Drill, Parade P.T. and Games, Organisation and Administration in I.A.F., Principles of Flight, Navigation, Meteorology, Aero-engine, Armament, Aeromodelling, Airmanship and Signals, Hygiene and Sanitation, Citizenship, Flying and First Aid. Two cadets have done Solo Flying this year as against one last year.

Aeromodelling displays were conducted on the Independence Day, N.C.C. Day, Senior and Junior Division combined Annual Training Camp, Republic Day and Children's Day. The cadets also participated in Ceremonial parades. 5 cadets participated in the Republic Day Parade at New Delhi. One cadet represented India in the Malayan Air Training Corps Camp at Singapore. Two cadets attended the All India Summer Training Camp held at Mount Abu and Belgaum and one cadet attended the Advanced Leadership course at Manali. Annual Training Camp was held at Baroda from 26th October, 1965 to 6th November, 1965. 422 cadets attended the camp. Annual Day function was celebrated on 28th February, 1966.

(6) *3rd Gujarat Technical Air Squadron N.C.C.*

The strength of the Unit is 2 N.C.C. officers and 200 cadets. Training of the Unit started in June, 1965. Annual Training camp was held at Ambarnath from 26th December, 1965 to 4th January, 1966. Cadets were employed on skilled and semi-skilled jobs in Ordinance Factory. The cadets of the Unit helped the Air Force Station Commander, Baroda during the emergency in September, 1965. 48 Parades were held during the year, the percentage of attendance being 50%. The examinations are to be held in April, 1966.

(7) *19th Gujarat Battalion N. C. C.*

The actual strength of the Unit is 1108 cadets against the authorized strength of 1600. Besides this, two junior division N. C. C. Troops consisting of 2 N. C. C. officers and 200 cadets are also attached to this Unit.

The first parade of the Unit started on 20th June, 1965. Annual Training Camp of the Unit was held at Baroda from 12th to 21st October, 1965 which

was attended by 6 N. C. C. Officers and 740 cadets. One N. C. C. Officer and 8 cadets attended the Camp at Amravati in December, 1965. Annual Training Camp for Junior division cadets was also held at Baroda in December, 1965. 2 N. C. C. Officers and 55 cadets participated. One Cadet was deputed to attend the Advance Leadership Course at Manali in May-June, 1965. 40 Cadets attended the Social Service Camp held at Umrat in May, 1965 and 3 Cadets were attached to regular army unit at Meerut Cantt. in June-July, 1965. One under-Officer was detailed for 'Republic Day' Parade held at New Delhi.

The following examinations were held during the year :

Examinations	Numbers appeared	Numbers passed	Percentage
1. 'B' Certificate	69	54	78.26%
2. 'C' Certificate	17	12	70.59%
3. 'A' Part I Certificate Examination	30	24	80%
4. 'A' Part II Certificate Examination	3	3	100%

(8) *1st Gujarat Signal Regiment N.C.C.*

The former 1st Gujarat Signal Company has been designated as the 1st Gujarat Signal Regiment with the addition of one more company from the 12th Gujarat Battalion with effect from 1st September, 1965. The actual strength of the Unit is 2 N.C.C. Officers and 346 cadets as against the authorized strength of 3 Officers and 400 cadets. The training started on 15th July, 1965 and ended on 15th February, 1966.

Annual Training camps of A and B companies were held at Vastrapur (Ahmedabad) from 26th October, 1965 to 6th November, 1965 and at Godhra from 26th November, 1965 to 4th November, 1965. 312 cadets attended the camps. Shri Nityanand Kanungo, Governor of Gujarat and Shri Hitendra Desai, Chief Minister of Gujarat State attended the camp at Vastrapur.

The following examinations were held in February, 1966:

Examinations	Numbers appeared	Numbers passed	Percentage
1. 'B' Certificate	15	10	66.67%
2. 'C' Certificate	1	1	100%

(9) *12th Gujarat Battalion N.C.C.*

The actual strength of the Unit is 7 N.C.C. Officers and 1068 cadets. 812 cadets participated in the Annual Training camp for Senior Division boys held at Godhra from 12th to 21st October, 1965. One cadet attended the Advanced Leadership course at Manali and another the All India Summer Training Camp at Mount Abu in May, 1965. 4 Junior Division Troops are also attached to this Unit. The strength is 3 Officers and 400 cadets.

The Annual Day of the Unit was celebrated on 31st January, 1966. Two cadets of the Unit were sent in Attachment with regular Army Units at Meerut. One cadet took part in the Republic Day Parade at New Delhi.

The following examinations were held in February, 1966.

Examinations	Numbers appeared	Numbers passed	Percentage
1. 'B' Certificate	102	70	68.63%
2. 'C' Certificate	11	8	72.72%

(10) 9th Gujarat EME Unit N.C.C.

The actual strength of the Unit is 316 cadets against the authorized strength of 400. Annual Training camp of the Unit was held at Ambarnath from 26th December, 1965 to 4th January, 1966. 2 N.C.C. Officers and 99 Cadets attended this Camp. 192 Cadets of the Unit attended the Annual Training camp held at Baroda along with the Cadets of the 19th Gujarat Battalion, N.C.C. from 12th to 21st October, 1965.

5. Students' Common Room

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 very 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 Government of Gujarat.

Cafeterias are attached to all the three Common Rooms. Facilities have been provided for indoor games such as Carrom, Draughts, Chess, Table-Tennis, etc. and reading materials like daily newspapers, periodicals and a small collection of books. Committees consisting of the members of the teaching staff look after the upkeep and arrangements of the rooms. The rooms are also used for the meetings of Students' Associations, social functions, indoor games and tournaments.

6. Hobby Workshop

The M. S. University Hobby Workshop continued to provide instructions for the full wing hobbies: (1) Carpentry, (2) Assembling electronics and electrical appliances, (3) Music, (4) Clay-modelling and (5) Photography. The staff of the workshop consists of one Officer-in-Charge, six part time instructors, one part-time clerk and one part-time peon. Students from several faculties and institutions are availing of the facilities provided at the Hobby Workshop with interest and zeal. The total number of students enrolled during the year is 237. They are distributed over the various hobbies as under:

Hobby	Number of students
(i) Carpentry	23
(ii) Assembling and electronic electrical appliances	60
(iii) Music	73
(iv) Clay-Modelling	17
(v) Photography	64
Total:	237

Appendix I

Statement showing the number of students at the commencement of academic year 1965-66

Institutions	*Post-graduate Courses						Degree Courses		Diploma Courses		Total		Grand Total											
	2		3		4		5		6		7		8		9		10		11		12			
	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women		
1. Faculty of Arts	164	90	563	590	727	680	1407	1352	1407	1189	1352	1407	1189	1352	1407	1189	1352	1407	1189	1352	1407	1189	1352	
2. Faculty of Science	255	53	514	173	769	226	995	967	769	879	967	995	879	967	995	879	967	995	879	967	995	879	967	
3. Faculty of Education & Psychology	43	29	74	132	141	182	323	285	141	308	285	323	308	285	323	308	285	323	308	285	323	308	285	
4. Faculty of Commerce	60	2	1110	74	1175	76	1251	1192	1175	1134	1192	1251	1134	1192	1251	1134	1192	1251	1134	1192	1251	1134	1192	
5. Faculty of Medicine	157	43	358	86	515	129	644	648	515	481	648	644	481	648	644	481	648	644	481	648	644	481	648	
6. Faculty of Technology and Engineering	176	—	1882	26	2206	26	2332	2085	2206	2094	2085	2332	2094	2085	2332	2094	2085	2332	2094	2085	2332	2094	2085	
7. Faculty of Fine Arts	14	4	54	18	153	31	184	158	153	183	158	184	183	158	184	183	158	184	183	158	184	183	158	
8. Faculty of Home Science	4	62	—	520	4	582	586	576	4	560	582	586	560	576	586	560	576	586	560	576	586	560	576	
9. Faculty of Social Work	67	20	340	29	488	38	526	76	488	80	526	488	80	526	488	80	526	488	80	526	488	80	526	
10. Faculty of Law	148	9	664	360	664	360	1024	1814	664	487	1024	664	487	1024	664	487	1024	664	487	1024	664	487	1024	
11. Preparatory Unit, Arts & Commerce	—	—	746	118	746	118	864	—	746	1774	864	746	1774	864	746	1774	864	746	1774	864	746	1774	864	
12. Preparatory Unit, Science	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
13. Shri M. K. Arts College & College of Commerce, Padra	—	—	101	20	101	20	121	—	101	—	121	101	—	121	101	—	121	101	—	121	101	—	121	
14. College of Indian Music, Dance & Dramatics	5	4	14	19	19	23	42	—	19	41	23	42	—	42	23	41	42	—	41	23	41	—	41	
15. Baroda Sanskrit Mahavidyalaya	9	—	15	—	19	6	49	—	19	43	6	49	—	49	6	43	49	—	43	6	43	—	43	
16. Polytechnic	—	—	—	—	1286	8	1294	—	1286	1182	8	1294	—	1182	1294	1182	1294	—	1182	1294	1182	—	1062	
Total:	1002	316	6435	2165	9104	2525	11629	10954	9104	11629	10954	10315												

* Includes Ph.D. and Master's Degree and Post-graduate Diploma students.
 † 5 Men students of S.Y. B.Com. joining the under-graduate Diploma in Co-operation.
 ‡ Includes 8 Post-Diploma men students also.
 § Does not include 10 men and 17 women students who are non-collegiate and Government Scholars and Foreign Scholars.
 ¶ Includes 22 Government of India Technical Teachers Trainees.

Statement showing non-university students at the commencement of the year 1965-66

Institutions	Total					
	1	2	3	4	5	6
(A) Diploma Courses :						
1. College of Indian Music, Dance and Dramatics		251	226	477	349	463
2. Extended Diploma Courses in Civil, Mechanical and Electrical Engineering		144	—	144	128	—
3. Faculty of Arts		20	11	31	16	—
(B) Certificate Courses :						174
1. Faculty of Arts		175	21	196	151	255
2. Faculty of Fine Arts		3	2	5	7	5
3. Baroda Sanskrit Mahavidyalaya		26	9	35	39	36
(C) S. S. C. Course :						
1. University Experimental School		244	187	431	433	436
(D) Nursery Courses :						
1. Chetan Balwadi		48	41	89	60	66
2. Kindergarten		9	6	15	25	19
Total :		920	503	1423	1208	1280

Appendix II

Statement showing the number of teaching staff of various faculties and institutions as on 31st March, 1966

Faculty/Institution	Professors	Readers	Lecturers	Tutors, Demonstrators, Instructors	Honorary Part-time and others	Total
Arts	7	17	49	14	4	91
Science	9	22	58	62	—	151
Education and Psychology	2	6	15	4	—	27
Commerce	—	9	14	—	6	29
Technology and Engineering	11	23	63	63	—	160
Fine Arts	2	5	17	3	—	27
Home Science	2	6	23	22	1	54
Social Work	1	2	9	—	1	13
Law	1	1	2	—	11	15
Oriental Institute	1	1	4	—	—	6
College of Indian Music, Dance and Dramatics	1	3	11	8	2	25
Baroda Sanskrit Mahavidyalaya	—	—	1	12	2	15
Polytechnic	3	2	27	68	—	100
Total :	40	97	293	256	27	713

Results of the University Examinations March-April-June, 1965

Sr. No.	Examination	No. Appeared										No. Passed										Percentage of Pass	
		Men					Women					Men					Women						
		No. Regd.	No. Absent	Men	Women	Total	I Class Dist.	I Class	II Class	Pass Class	Total	I Class Dist.	I Class	II Class	Pass Class	Total	I Class Dist.	I Class	II Class	Pass Class	Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19					
1	Preparatory Arts	731	15	355	361	716	—	8	58	103	169	—	27	103	91	221	390	54.46%					
2	F.Y. B.A.	513	10	257	246	503	—	5	48	78	131	—	6	88	71	165	296	58.84%					
3	*S.Y. B.A.	448	7	209	232	441	—	—	—	117	117	—	—	—	157	157	274	62.10%					
4	B.A. (Final Year)	347	10	192	145	337	—	3	38	88	129	1	6	37	68	112	241	71.51%					
5	M.A.	111	12	72	27	99	—	2	28	28	58	—	4	12	10	26	84	84.84%					
6	Acharya	6	—	6	—	6	—	1	3	2	6	—	—	—	—	—	6	100%					
7	Shastri	2	—	2	—	2	—	—	1	1	2	—	—	—	—	—	2	100%					
8	Visharad	2	—	2	—	2	—	1	—	1	2	—	—	—	—	—	2	100%					
9	Diploma in Lib. Science	16	1	9	6	15	—	2	3	1	6	—	—	3	3	6	12	80.00%					
10	Diploma in German Language (UG)	12	2	8	2	10	—	3	4	—	7	—	1	—	—	1	8	80.00%					
11	Preparatory Science	845	10	710	125	835	—	129	259	110	498	—	20	41	23	84	582	69.70%					
12	Pre-Medical	127	—	108	19	127	—	31	60	12	103	—	4	14	1	19	122	97.06%					
13	First Year B.Sc.	222	7	165	51	216	—	8	27	38	73	—	1	17	9	27	100	46.29%					
14	*Second Year B.Sc.	233	7	173	53	226	—	—	—	61	61	—	—	—	34	34	95	42.03%					
15	B.Sc. (Final Year)	191	6	149	36	185	4	15	43	34	97	—	10	16	4	30	127	68.64%					
16	M.Sc. (Old Course)	151	6	127	18	145	3	23	62	16	104	—	5	8	3	16	120	77.42%					
17	*M.Sc. (Previous)—N.C.	125	3	100	22	122	—	—	—	—	89	—	—	—	22	22	111	90.98%					
18	B.Ed.	119	—	76	43	119	—	15	46	14	75	1	16	19	6	42	117	97.48%					
19	*T.D.	28	—	18	10	28	—	—	—	—	17	17	—	—	10	10	27	96.42%					
20	*Diploma in Early Childhood Education (Under-graduate)	5	—	2	3	5	—	—	—	—	2	2	—	—	3	3	5	100%					
21	M.Ed.	15	2	8	5	13	—	—	—	2	4	6	—	2	2	4	10	76.92%					
22	Post-graduate Diploma in Guidance & Counselling	4	—	3	1	4	—	—	—	—	2	2	—	—	1	1	3	75.00%					
23	Preparatory Commerce	683	14	638	31	669	—	25	113	227	365	—	7	11	6	25	390	58.29%					
24	First Year B.Com.	423	9	387	27	414	—	21	87	114	222	—	2	4	12	18	240	58.21%					
25	*Second Year B.Com.	457	18	429	10	439	—	—	—	—	325	325	—	—	10	10	335	75.82%					
26	B.Com. (Final Year)	426	18	397	11	408	—	7	74	171	252	—	—	6	3	9	261	63.97%					
27	*B.Com. (under O.Com. 27)	26	—	24	2	26	—	—	—	—	14	14	—	—	2	2	16	61.53%					
28	*B.Com. (under O.Com. 25)	8	2	6	—	6	—	—	—	—	6	6	—	—	—	—	6	100%					
29	*Diploma in Co-operation (under-graduate)	11	—	8	3	11	—	—	—	—	6	6	—	—	3	3	9	81.8%					
30	*Post-graduate Dip. in Co-operation	3	1	2	—	2	—	—	—	—	1	1	—	—	—	—	1	50.00%					
31	*Post-graduate Dip. in Banking	25	—	23	2	25	—	—	—	—	16	16	—	—	2	2	18	72.00%					
32	M.Ccm.	25	—	25	—	25	—	—	9	13	22	—	—	—	—	—	22	88.00%					
33	*I M.B., B.S.	35	—	26	9	35	—	—	—	—	22	22	—	—	9	9	31	88.57%					
34	*II M.B., B.S.	69	—	57	12	69	—	—	—	—	41	41	—	—	9	9	50	72.47%					
35	*III M.B., B.S.	37	—	31	6	37	—	—	—	—	20	20	—	—	5	5	25	67.56%					
36	*M.D. (Br. I—Medicine)	12	—	12	—	12	—	—	—	—	2	2	—	—	—	—	2	16.66%					
37	*M.D. (Br. V—O. & G)	5	—	3	—	3	—	—	—	—	—	—	—	—	—	—	—	00.00%					
38	*M.S. (Br. I—Surgery)	10	—	10	—	10	—	—	—	—	—	—	—	—	—	—	—	00.00%					
39	*M.S. (Br. III—Orthopaedics)	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00.00%					
40	*M.S. (Br. IV—Oto-Rhino-Laryngology)	2	—	2	—	2	—	—	—	—	2	2	—	—	—	—	—	00.00%					
41	*Diploma in Ophthalmology	3	—	3	—	3	—	—	—	—	2	2	—	—	—	—	2	100%					
42	*Diploma in Laryngology and Otology	8	—	8	—	8	—	—	—	—	5	5	—	—	—	—	5	62.5%					
43	*Diploma in Medical Radiology and Electrology (Part I)	1	—	1	—	1	—	—	—	—	1	1	—	—	—	—	1	100%					

* No Class is awarded.

‡ Result of one candidate is not yet declared.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
44 *Diploma in Medical Radiology and Electrology (Part II)	1	—	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00.00%
45 *Diploma in Venereology and Dermatology	1	—	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00.00%
46 *Diploma in Tuberculous Diseases	1	—	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	—	100%
47 *Diploma in Clinical Pathology	4	—	4	—	4	—	4	—	—	—	4	4	—	—	—	—	—	—	100%
48 *Diploma in Gynaecology and Obstetrics	15	2	8	5	13	—	—	—	—	—	2	2	—	—	—	2	2	4	30.7%
49 Master of Science (In Medical Subjects)	2	—	2	—	2	—	—	—	—	1	—	1	—	—	—	—	—	—	50.00%
50 F. Y. Diploma (CME)	529	8	519	2	521	—	—	—	15	93	169	277	—	—	1	—	—	1	278
51 S. Y. Diploma (CME)	396	3	389	4	393	—	—	—	19	94	162	275	—	—	2	1	3	278	70.74%
52 *First Semester of S. Y. Diploma (CME)—Extended Course	81	1	79	1	80	—	—	—	—	—	37	37	—	—	—	—	—	—	37
53 Diploma in Civil Engg.	96	2	93	1	94	—	—	—	15	45	21	81	—	—	—	—	—	—	81
54 Diploma in Mech. Engg.	138	3	135	—	135	—	—	—	36	52	29	117	—	—	—	—	—	—	117
55 *Diploma in Mech. Engg. (under O.TE. 155)	44	1	43	—	43	—	—	—	4	24	54	82	—	—	—	—	—	—	33
56 Diploma in Elect. Engg.	195	2	103	—	103	—	—	—	4	24	54	82	—	—	—	—	—	—	82
57 *Diploma in Elect. Engg. (under O.TE. 162)	21	1	20	—	20	—	—	—	—	—	17	17	—	—	—	—	—	—	17
58 Diploma in Text. Chem.	30	2	28	—	28	—	—	—	2	7	7	16	—	—	—	—	—	—	16
59 Diploma in Text. Chem. (under O. TE. 184)	27	1	26	—	26	—	—	—	5	11	10	26	—	—	—	—	—	—	26
60 Diploma in Text. Tech.	30	1	29	—	29	—	—	—	6	12	7	25	—	—	—	—	—	—	25
61 F.E. (CME)—Old Course & F. Text. (Engg. & Tech.)	106	—	106	—	106	—	—	—	2	14	32	48	—	—	—	—	—	—	48
62 S.E. (CME) (under O. TE. 7)	385	2	383	—	383	—	—	—	16	28	175	81	300	—	—	—	—	—	300
63 S.E. (CME) (under O. TE. 7)	43	1	42	—	42	—	—	—	—	—	40	40	—	—	—	—	—	—	40
64 *First Semester of S. Chem. Engg.—B.E. II	6	—	6	—	6	—	—	—	—	—	4	4	—	—	—	—	—	—	4
65 First & Second Semester of S. Chem. Engg. B.E. II (Combined)	40	—	40	—	40	—	—	—	4	13	17	3	37	—	—	—	—	—	37

66 T.E. (CME)	346	8	336	2	338	11	34	132	103	280	—	—	—	—	—	—	—	—	2	282	83.43%
67 T.Text. (Engg.)	16	—	16	—	16	—	—	1	12	1	14	—	—	—	—	—	—	—	—	14	87.50%
68 T.Text. (Tech.)	9	—	9	—	9	—	—	1	8	—	9	—	—	—	—	—	—	—	—	9	100%
69 B.E. (Civil)	122	7	113	2	115	4	15	73	7	99	—	—	—	—	1	—	—	—	1	100	86.95%
70 B.E. (Mech.)	124	3	121	—	121	18	40	59	2	119	—	—	—	—	—	—	—	—	—	119	98.34%
71 B.E. (Mech.) (under O. TE. 39)	42	1	41	—	41	—	—	6	29	—	35	—	—	—	—	—	—	—	—	35	85.36%
72 B.E. (Elect.)	71	2	69	—	69	4	9	41	2	56	—	—	—	—	—	—	—	—	—	56	81.15%
73 B.E. (Elect.) (under O. TE. 46)	3	—	3	—	3	—	—	1	1	1	3	—	—	—	—	—	—	—	—	3	100%
74 B.Text. (Engg.)	18	—	18	—	18	—	—	2	13	1	16	—	—	—	—	—	—	—	—	16	88.88%
75 B.Text. (Tech.)	8	—	8	—	8	—	—	—	—	6	—	7	—	—	—	—	—	—	—	7	87.5%
76 *M.E. (Civil)—Part I—(New Course)	21	2	19	—	19	—	—	—	—	8	8	—	—	—	—	—	—	—	—	8	42.10%
77 *M.E. (Civil)—Part I—(Old Course)	4	—	4	—	4	—	—	—	—	3	3	—	—	—	—	—	—	—	—	3	75.00%
78 *M.E. (Civil)—Part II—(Old Course)	15	1	14	—	14	—	—	—	—	14	14	—	—	—	—	—	—	—	—	14	100%
79 *M.E. (Mech.)—Part I—(New Course)	18	—	18	—	18	—	—	—	—	9	9	—	—	—	—	—	—	—	—	9	50.00%
80 *M.E. (Mech.)—Part II—(Old Course)	5	1	4	—	4	—	—	—	—	—	2	2	—	—	—	—	—	—	—	2	50.00%
81 *M.E. (Elect.)—Part I—(New Course)	11	—	11	—	11	—	—	—	—	7	7	—	—	—	—	—	—	—	—	7	63.63%
82 *M.E. (Elect.)—Part II—(Old Course)	2	—	2	—	2	—	—	—	—	2	2	—	—	—	—	—	—	—	—	2	100%
83 Third Year B.Arch.	60	1	51	8	59	—	—	—	6	15	3	24	—	—	3	2	5	29	—	29	49.15%
84 B.Arch. (Old & New Course)	46	—	41	5	46	2	6	25	4	37	—	—	—	—	2	1	3	40	—	40	86.95%
85 First LL.B.	204	51	145	8	153	—	—	—	39	21	60	—	—	—	3	1	4	64	—	64	41.83%
86 Second LL.B.	148	22	116	10	126	—	—	—	42	12	54	—	—	—	5	—	5	59	—	59	46.82%
87 *D.T.P.	47	3	44	—	44	—	—	—	—	19	20	—	—	—	—	—	—	—	—	20	45.45%
88 *D.L.P.	77	6	70	1	71	—	—	—	—	—	57	57	—	—	—	—	—	—	—	58	81.69%
89 M.A. (Fine)—Painting	2	—	2	—	2	—	—	—	—	—	2	—	—	—	—	—	—	—	—	2	100%
90 B.A. (Fine)—Painting	6	—	4	2	6	—	—	—	1	3	—	—	—	—	—	—	—	—	—	2	100%
91 B.A. (Fine)—Sculpture	4	—	3	1	4	—	—	—	1	1	—	—	—	—	—	—	—	—	—	1	75%
92 B.A. (Fine)—Appl. Arts	2	—	2	—	2	—	—	—	—	1	1	—	—	—	—	—	—	—	—	2	100%

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
17 *M.S. (Br. I—Surgery)	15	—	15	—	15	—	15	—	—	—	4	4	—	—	—	—	—	4	26.66%
18 *M.S. (Br. III—Orthopaedics)	1	—	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100%
19 *Diploma in Ophthalmology	2	—	2	—	2	—	2	—	—	—	1	1	—	—	—	—	—	1	50.00%
20 *Diploma in Anaesthesiology	2	—	2	—	2	—	2	—	—	—	8	2	—	—	—	—	—	2	100%
21 *Diploma in Laryngology and Otolaryngology	9	—	9	—	9	—	9	—	—	—	4	4	—	—	—	—	—	4	44.44%
22 *Diploma in Medical Radiology and Electrology—Part II	2	—	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	2	100%
23 *Diploma in Pediatrics	5	—	3	2	5	—	5	—	—	—	2	2	—	—	—	1	1	3	60.00%
24 *Diploma in Venereology and Dermatology	2	—	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	2	100%
25 *Diploma in Tuberculous Diseases	1	—	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00.00%
26 *Diploma in Gynaecology and Obstetrics	19	3	5	11	6	—	6	—	—	—	2	2	—	—	—	3	3	5	31.25%
27 Master of Science (in Medical subjects)	3	—	3	—	3	—	3	—	—	—	2	2	—	—	—	—	—	2	66.66%
28 F.Y. Diploma (CME)	221	5	215	1	216	—	216	—	—	1	132	133	—	—	—	—	—	133	61.57%
29 S.Y. Diploma (CME)	110	6	103	1	104	—	104	—	—	1	76	77	—	—	—	1	1	78	75.00%
30 *I Semester of S.Y. Dip. (CME)	38	—	37	—	38	—	38	—	—	—	20	20	—	—	—	—	—	20	52.63%
31 II Semester of S.Y. Dip. (CME)	75	1	73	1	74	—	74	—	12	13	29	54	—	—	—	—	—	54	73.00%
32 Extd. course	16	4	11	1	12	—	12	—	—	—	4	4	—	—	—	—	—	4	33.33%
33 Diploma in Civil Engg.	21	—	21	—	21	—	21	—	1	3	8	12	—	—	—	—	—	12	57.14%
34 *Diploma in Mech. Engg. (under O.TE. 155)	7	2	5	—	5	—	5	—	—	—	3	3	—	—	—	—	—	3	60.00%
35 Diploma in Elect. Engg.	18	2	16	—	16	—	16	—	—	2	5	7	—	—	—	—	—	7	43.7%
36 *Diploma in Elect. Engg. (Under O. TE. 162)	3	1	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	2	100%
37 Diploma in Textile Chemistry	14	1	13	—	13	—	13	—	—	—	4	4	—	—	—	—	—	4	30.76%
38 Diploma in Textile Chemistry (Under O. TE. 184)	1	—	1	—	1	—	1	—	—	1	—	1	—	—	—	—	—	1	100%

* No class is awarded.

39 Diploma in Textile Technology	7	—	7	—	7	—	7	—	—	1	4	5	—	—	—	—	—	5	71.42%	
40 F.E. (CME)—O.C. & F. Text. (Engg. & Tech.)	59	—	59	—	59	—	59	—	—	—	35	35	—	—	—	—	—	35	59.32%	
41 *B.E. II-I Semester (CME., Chem.)	335	—	334	1	335	—	335	—	—	—	243	243	—	—	1	1	244	72.83%		
42 B.E. II-II Semester (CME., Chem.)	2	—	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	2	100%	
43 S.E. (CME/TeT)	87	5	82	—	82	—	82	—	—	—	49	49	—	—	—	—	—	49	59.75%	
44 T.E. (CME)	62	5	57	—	57	—	57	—	—	—	39	39	—	—	—	—	—	39	68.42%	
45 T.Text. (Engg.)	2	—	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	2	100%	
46 B.E. (Civil)	21	1	19	1	20	—	20	—	2	7	3	12	—	—	1	—	—	13	65.00%	
47 B.E. (Mech.)	5	2	3	—	3	—	3	—	—	2	1	3	—	—	—	—	—	3	100%	
48 B.E. (Mech.)—Under O.TE. 39	4	1	3	—	3	—	3	—	—	2	1	3	—	—	—	—	—	3	100%	
49 B.E. (Elect.)	15	2	13	—	13	—	13	—	1	5	3	9	—	—	—	—	—	9	69.23%	
50 B. Text. (Engg.)	2	—	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	2	100%	
51 B. Text. (Tech.)	1	—	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00.00%	
52 *M.E. (Civil)—Part I	10	2	8	—	8	—	8	—	—	—	6	6	—	—	—	—	—	6	75.00%	
53 *M.E. (Mech.)—Part I	8	—	8	—	8	—	8	—	—	—	7	7	—	—	—	—	—	7	87.05%	
54 *M.E. (Elect.)—Part I	4	1	3	—	3	—	3	—	—	—	2	2	—	—	—	—	—	2	66.66%	
55 *M.E. (Civil)—Part II—N.C.	17	1	16	—	16	—	16	—	—	—	15	15	—	—	—	—	—	15	93.75%	
56 *M.E. (Mech.)—Part II—N.C.	9	—	9	—	9	—	9	—	—	—	8	8	—	—	—	—	—	8	88.88%	
57 *M.E. (Elect.)—Part II—N.C.	11	1	10	—	10	—	10	—	—	—	10	10	—	—	—	—	—	10	100%	
58 *M.E. (Civil)—Part II—O.C.	4	1	3	—	3	—	3	—	—	—	2	2	—	—	—	—	—	2	66.66%	
59 *M.E. (Mech.)—Part III—O.C.	3	1	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	2	100%	
60 †M.E. (Civil)—Part III—O.C.	29	—	29	—	29	—	29	—	19	8	—	27	—	—	—	—	—	27	93.01%	
61 M.E. (Mech.)—Part III—O.C.	6	—	6	—	6	—	6	—	1	2	1	6	—	—	—	—	—	6	100%	
62 M.E. (Elect.)—Part III—O.C.	10	—	10	—	10	—	10	—	5	5	—	10	—	—	—	—	—	10	100%	
63 III Yr. B.Arch.	33	2	28	3	31	—	31	—	—	—	2	13	15	—	—	—	—	1	16	51.61%
64 B.Arch.	97	28	64	5	69	—	69	—	—	4	24	28	—	—	—	—	—	2	4	66.66%
65 I LL.B.	67	13	49	5	54	—	54	—	—	6	24	30	—	—	—	—	—	3	33	61.11%
66 II LL.B.	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100%
67 M.Sc. (Home)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	100%

* No class is awarded.

† One candidate who appeared in Part II & III has passed the part III Examination but he remained absent in Part II and as such this is not included in this information.

‡ Pass with A Grade.

§ Pass with B Grade.

£ Pass with C Grade.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
68	B.Sc. (Home)	10	—	—	10	10	—	—	—	—	—	—	—	£2	†8	10	10	100%
69	M.S.W.	9	—	8	1	9	—	—	£3	†4	7	—	—	—	†1	1	8	88.88%
70	*Ph.D. (Arts)	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100%
71	*Ph.D. (Science)	3	—	2	1	3	—	—	—	2	2	—	—	—	1	1	3	100%
72	*Ph.D. (Psychology)	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100%
62A.	*M.Text. (Engg.)—Part I	2	1	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100%

* No class is awarded.

£ Pass with B Grade.

† Pass with C Grade.

Appendix IV

CAPITAL ACCOUNTS
I—University General Fund
 (Subject to Audit)
 1965-66

	Rs. P.	Receipts	Rs. P.	Payments	Rs. P.
Opening Balance as on 1-4-1965	1,47,234-52		1,47,234-52	Building Works	7,79,746-58
Interest	40,518-00		40,518-00	Advance to the Press	19,655-86
Grant from the State Government	89,554-47		89,554-47	Purchase of Furniture	62,582-87
Donations for buildings and equipment for increased seats in Preparatory Classes					
Loan from the State Government for Administrative Staff Quarters	1,000-00		1,000-00	Closing Balance	8,61,985-31
Loan from the Ministry of Education for Hostel for Chemical Engineering students	1,18,000-00		1,18,000-00		3,34,321-68
Grant from Sir Sayajirao Diamond Jubilee and Memorial Trust	1,00,000-00		1,00,000-00		
Donations received from the Padra Taluka Uchcha Shikshan Samiti for starting a College at Padra	3,00,000-00		3,00,000-00		
	4,00,000-00		4,00,000-00		
Total:	11,96,306-99		11,96,306-99		Total: 11,96,306-99

II—Ayurvedic Research Fund
(Subject to Audit)
1965-66

<i>Receipts</i>	<i>Rs.</i>	<i>P.</i>	<i>Payments</i>	<i>Rs.</i>	<i>P.</i>
Opening Balance as on 1-4-1965	11,39,977-02		Amount to be transferred for the excess recurring expenditure of the Sheth U.P. Ayurvedic Research Unit over and above the State Government Grant Closing Balance	31,139-94	
Interest	38,389-99			11,47,227-07	
Total :	<u>11,78,367-01</u>		Total :	<u>11,78,367-01</u>	

186

III—Post-graduate Instruction and Research Fund
(Subject to Audit)
1965-66

<i>Receipts</i>	<i>Rs.</i>	<i>P.</i>	<i>Payments</i>	<i>Rs.</i>	<i>P.</i>
Opening Balance as on 1-4-1965	44,37,053-32		Expenditure on Research : Staff	26,458-82	1,07,111-57
Interest	1,42,212-50		Contingency	76,293-07	
			Scholarships etc.	4,359-68	
			Closing Balance	44,72,154-25	
Total :	<u>45,79,265-82</u>		Total :	<u>45,79,265-82</u>	

Appendix V

REVENUE ACCOUNTS
(Subject to Audit)
1965-66

<i>Sr. No.</i>	<i>Particulars</i>	<i>Receipts</i>	<i>Sr. No.</i>	<i>Particulars</i>	<i>Disbursements</i>
1	2	<i>Rs.</i>	<i>P.</i>	3	<i>Rs.</i>
I	Tuition Fees and other Income from Faculties & Institutions	26,05,744-85		I University General Administration	3,62,336-89
	(A) Faculties:			II Examination Charges	5,19,756-41
	(a) Faculty of Arts	3,98,021-24		III Deadstock and Repairs	4,930-62
	(b) Faculty of Science	6,03,894-68		IV Publications	18,707-40
	(c) Faculty of Education and Psychology	1,26,273-60		V Information and Publicity	7,167-90
	(d) Faculty of Commerce	3,42,541-20		VI Remuneration to Lecturers	348-30
	(e) (i) Faculty of Technology and Engineering	5,54,423-72		VII Travelling Allowance	29,118-99
	(ii) Expansion Scheme of Diploma courses (Polytechnic)			VIII Printing and Stationery	43,303-33
	(f) Faculty of Law	1,60,297-81		IX Maintenance of Buildings and Roads and Temporary Establishment for Capital Works	1,21,555-65
	(g) Faculty of Fine Arts	1,02,026-50		X Maintenance of Gardens	36,027-22
	(h) Faculty of Home Science	36,672-80		XI Municipal Taxes and Law Charges	15,350-37
	(i) Faculty of Social Work	1,96,696-25		XII (a) University Contribution to Provident Fund	17,136-48
		29,312-80		(b) Contribution to Gratuity Fund	10,266-16
				XIII Miscellaneous	2,07,191-29

187

	1	2	3	1	2	3
(B) Institutions:						
(1) College of Indian Music, Dance and Dramatics				XIV Health Centre		33,048-70
(2) Preparatory Unit—Arts and Commerce	32,077-25			XV University Guest House		14,042-34
(3) Preparatory Unit—Science	1,222-50			XVI 50% Expenditure of the University Grants Commission		9,309-72
(4) Sanskrit Mahavidyalaya	256-00			XVII University Library		2,69,434-81
(5) Shri Manibhai Kashibhai Amin Arts and Science College and College of Commerce, Padra	11-50			XVIII Physical Education department		1,14,707-13
II Examination Fees	22,017-00			XIX Faculties and Institutions		60,33,511-71
III Other Fees	6,63,895-06			(A) Faculties:		
IV Income from Publications	1,73,125-35			(a) Faculty of Arts		5,70,710-42
V-A Grant from the State Government (Block Grant)	36,596-72			(b) Faculty of Science		12,89,410-59
V-B Grant from the University Grants Commission and the State Government towards the increase in salaries of the teaching staff due to Grade Revision (Third Five Year Plan Scheme)	35,00,372-00			(c) Faculty of Education and Psychology		4,14,945-66
(a) Grant from the University	1,50,200-48			(d) Faculty of Commerce		2,06,019-63
(b) Grant from the State Government				(e) (i) Faculty of Technology and Engineering		13,73,655-75
				(ii) Expansion Scheme of Diploma courses (Poly-technic)		5,88,925-19
				(f) Faculty of Law		80,372-09
	1,20,000-00			(g) Faculty of Fine Arts		3,02,951-67
				(h) Faculty of Home Science		4,97,892-02
	30,200-48			(i) Faculty of Social Work		1,72,274-66

	1	2	3	1	2	3
V-C 100% Grant from the University Grants Commission for Revision of salary scales of Teachers in Technology and Engineering subjects as per A.I.C. T.E. Scales						
VI Interest on Cash Balance				(B) Institutions:		
VII Income from Halls of Residence for students	4,50,000-00			(1) Oriental Institute College of Indian Music, Dance and Dramatics		1,24,061-25
VIII Income from use and of occupations of University quarters and Bungalows including Furniture Rent				(2) Preparatory Unit—Arts and Commerce		2,54,404-79
IX Income from University Guest House	9,644-91			(3) Preparatory Unit—Science		46,221-59
X Miscellaneous Income	4,30,208-00			(4) Sanskrit Mahavidyalaya		24,167-99
XI Income from M. S. University of Baroda Press (Sadhana Press)				(5) Shri M. K. Amin Arts and Science College and College of Commerce, Padra		69,781-97
XII Income from M. S. University Stationery Unit	2,00,452-86			(6) M. S. University of Baroda Press (Sadhana Press)		17,716-44
XIII Income from University Health Centre	4,279-00			XX M. S. University of Baroda Press (Sadhana Press)		3,18,988-87
XIV Sheth U. P. Ayurvedic Research Unit	1,51,279-73			XXI M. S. University Stationery Unit		1,41,175-51
	3,10,617-08			XXII M. S. University Publications Sales Unit		14,121-00
	1,44,369-24			XXIII Halls of Residence for Students		5,21,109-70
	3,042-11			XXIV Sheth U. P. Ayurvedic Research Unit		64,438-64
	64,438-64			XXV Development Schemes which have completed 5 years (from 1-4-1964 and onwards)		2,09,154-78

1	2	3	1	2	3
	Excess of Disbursements over Receipts i.e. Deficit during the year 1965-66:	2,37,973-89			
	(a) Deficit on the normal Recurring amount	28,819-11			
	(b) Deficit on the schemes which have completed Five Years period and for which 100% grant is due from the State Government	2,09,154-78			
	Total:	91,36,239-92		Total:	91,36,239-92

Grants on Development and Research Schemes—1965-66

Sr. No.	Name of the Agency	Amount of Grant	Remarks
		Rs.	
1	University Grants Commission	23,60,624-50	
2	Government of Gujarat (Matching Grant)	9,51,342-10	(This includes a loan of Rs. 1,78,497 for teaching staff quarters)
3	Ministry of Community Development and Co-operation, Government of India	80,37-08	
4	Ministry of Education, Government of India	2,20,705-17	
5	Ministry of Health, Government of India	98,000-00	
6	Planning Commission, Government of India	57,382-20	
7	Council of Scientific and Industrial Research, New Delhi	54,986-56	
8	Government of Gujarat (Research and other schemes)	98,277-90	
9	Government of Gujarat, Agriculture Department	13,535-79	
10	Federation of Gujarat Mills and Industries	2,000-00	
11	Ford Foundation—Home Science Project	1,19,000-00	
12	UNICEF—Nutrition Programme	12,061-25	
13	United States Department of Agriculture, New Delhi (Am PL-480 Programme)	3,20,192-00	
14	Muscular Dystrophy Association INC., USA	11,864-55	
15	University of Michigan, U.S.A.	5,202-60	
	Total :	44,05,531-70	