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M S University of Baroda
Eighteenth
Annual Report
1966-67

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**The Maharaja Sayajirao University
of Baroda**



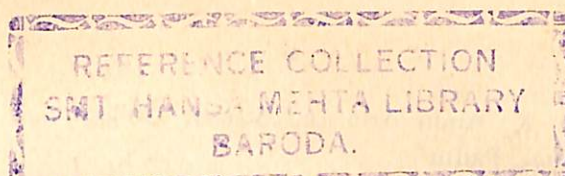
EIGHTEENTH ANNUAL REPORT

18

1966-67



BARODA



THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

EIGHTEENTH ANNUAL REPORT, 1966-67

(1st April, 1966 to 31st March, 1967)

CONTENTS

CHAPTER NUMBER	SUBJECT	PAGES
	Introduction	1
I	General	9
II	Officers of the University	19
III	The Syndicate and the Senate	21
IV	Other Authorities of the University	26
V	Other Boards and Committees	32
VI	Research Work in the University	39
VII	Lectures and Deputations	46
VIII	Faculty of Arts	59
IX	Faculty of Science	67
X	Faculty of Education and Psychology	79
	(A) University Experimental School, Baroda	88
XI	Faculty of Commerce	90
XII	Faculty of Medicine	
	(A) Medical College	93
	(B) Sheth Ujamshi Pitamberdas Ayurvedic Research Unit	96
XIII	Faculty of Technology and Engineering	99
XIV	Faculty of Fine Arts	106
XV	Faculty of Home Science	111
XVI	Faculty of Social Work	117
XVII	Faculty of Law	123
XVIII	Oriental Institute	125
XIX	College of Indian Music, Dance and Dramatics	132
XX	Baroda Sanskrit Mahavidyalaya	136
XXI	Preparatory Unit—Arts and Commerce	139
XXII	Preparatory Unit—Science	141

XXIII	Shri M. K. Amin Arts and Science College and College of Commerce, Padra	143
XXIV	Polytechnic	145
XXV	Shrimati Hansa Mehta Library	148
XXVI	The Maharaja Sayajirao University of Baroda Press	152
XXVII	The Maharaja Sayajirao University Union	155
XXVIII	General Education Centre	158
XXIX	Students Welfare Activities	161

Appendices

I	Number of University students	171
II	Number of non-University students	172
III	Number of Teaching Staff	173
IV	List of candidates qualifying for the Ph.D. degree in the year 1966-67	174
V	Results of the University Examinations March/April/June, 1966	176
VI	Result of the University Examinations August/October/November, 1966	181
VII	Capital Accounts	185
VIII	Revenue Accounts	187
IX	Grants on Development and Research Scheme 1966-67	191
X	The Maharaja Sayajirao University Halls of Residence, Baroda	192



His Highness the Maharaja Sir Sayajirao Gaekwad of Baroda

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA



EIGHTEENTH ANNUAL REPORT, 1966-67

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.

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.

Growth of Student Enrolment

Student Enrolment: When the University first started functioning in April, 1949 it had as its total strength 2,962 students, of whom 131 were post-graduate students, 902 degree class students and the remaining reading for the

under-graduate, diploma or certificate courses. In the next seventeen years, the total enrolment of students in the University has soared up from 2,962 to 13,223 registering an increase of 10,261 or almost a four-fold increase. The average yearly increase in the student enrolment since 1949 has been nearly 570.

In 1950, the total number of men students was 3,508. This number has increased to 10,185 in 1966-67 registering a rise of about three times. The rise in the enrolment of women students has been more remarkable. Between 1950 and 1966-67 the enrolment of women students in the University has increased from 484 to 3,038, almost a six and a half times rise. On an average, the annual increase in the enrolment of women students in the University between 1950 and 1966 is about 142.

The enrolment trends over the last eighteen years in the University are indicated in the following table:

Year	Total enrolment	Increase/decrease over the Preceding year	Percentage increase/decrease
1950-51	2405	—	—
1951-52	3398	993	41.2
1952-53	3992	584	17.5
1953-54	4585	593	14.9
1954-55	5600	1015	22.1
1955-56	4883	-717	-12.4
1956-57	4968	85	1.4
1957-58	5785	817	16.5
1958-59	6858	1073	18.5
1959-60	7726	868	12.7
1960-61	8214	488	6.3
1961-62	8974	760	9.2
1962-63	10134	1160	12.9
1963-64	10315	181	1.6
1964-65	10954	639	6.2
1965-66	11629	675	6.1
1966-67	13223	1594	12.1

Sex-Ratio in Different Faculties: The developmental picture of the sex-ratio in the case of students in the different Faculties and Institutions of the University for the years 1950-51, 1960-61 and 1966-67 are given below:

	1950-51		1960-61		1966-67	
	Men %	Women %	Men %	Women %	Men %	Women %
Arts	72.1	27.9	65.7	34.3	51.8	48.2
Science	—	—	87.5	12.5	76.8	23.2
Education and Psychology	87.2	12.7	63.0	37.0	43.6	56.4
Commerce	—	—	82.6	17.4	91.1	8.9
Medicine	89.8	10.2	82.6	17.4	80.5	19.5
Technology and Engineering	99.6	0.4	99.0	1.0	98.1	1.9
Fine Arts	—	—	83.6	16.4	74.8	25.2
Home Science	—	100.0	—	100.0	0.6	99.4
Social Work	85.8	14.2	75.0	25.0	68.6	31.4
Law	—	—	—	—	91.8	8.2
College of Indian Music, Dance and Dramatics	80.0	20.0	63.3	36.7	37.7	62.3
Baroda Sanskrit Mahavidyalaya	—	—	85.7	14.3	86.0	14.0
Preparatory Unit	—	—	80.7	19.3	73.1	26.9
Polytechnic	—	—	99.6	0.4	98.2	1.8
Shri M. K. Amin Arts and Science College and College of Commerce, Padra	—	—	—	—	86.6	13.4

Student-Enrolment in Post-graduate Courses: The enrolment of students in various post-graduate courses provided in the different Faculties and Institutions of the University has been showing a steady rise right from the year 1950. In 1950-51, the enrolment in the post-graduate courses was 303, which has gone on increasing year by year and has become 1,405 in 1966-67, registering an overall increase of 1,102 or 363.7 per cent. The average annual increase in the past seventeen years has been about 65 students. The number of post-graduate men students has increased between 1950-51 and 1966-67 by 800 or (about 303 per cent), and the women students by 301 (or 752.5 per cent).

Growth of Enrolment in Degree Courses: In 1950-51, there were 2,437 students reading in the under-graduate classes of the different Faculties and Institutions of the University. The figure for 1966-67 is 9,943. Thus, the under-graduate student population of the University has increased by 7,506, showing three times increase between 1950-51 and 1966-67. The average annual increase at this stage is about 441 students. The increase in the case of men students and women students during the same period is 5,426 (or about 287 per cent) and 2,359 (or about 870 per cent) respectively. It will be seen that the growth in the number of women students in the University in the past seventeen years has been spectacular. In 1966-67, for about every 3 men students in the under-graduate classes, there was 1 woman student.

Percentages

Faculty	1961-62	1962-63	1963-64	1964-65	1965-66	1966-67
Arts	12.5	12.4	11.5	12.4	12.0	12.8
Science	8.0	8.7	8.5	8.9	8.6	8.9
Education and Psychology	3.6	2.8	2.9	2.6	2.7	2.9
Commerce	12.7	11.7	10.9	10.9	10.7	9.8
Medicine	4.4	4.4	4.8	5.9	5.5	5.8
Technology and Engineering	20.3	19.8	20.3	19.0	19.2	18.8
Fine Arts	2.4	2.0	1.8	1.4	1.6	1.7
Home Science	4.8	5.3	5.5	5.3	5.2	4.4
Social Work	0.8	0.9	0.8	0.7	0.7	0.6
Law	3.1	4.8	4.7	4.9	4.6	4.1
Preparatory Unit (Arts and Commerce)	16.1	16.9	17.2	16.5	8.7	10.1
Preparatory Unit (Science)	—	—	—	—	7.4	7.8
M. K. Amin Arts and Science College and College of Commerce, Padra	—	—	—	—	1.3	1.5
College of Indian Music, Dance and Dramatics	0.6	0.5	0.4	0.3	0.3	0.3
Sanskrit Mahavidyalaya	0.5	0.7	0.4	0.5	0.4	0.4
Polytechnic	10.2	9.1	10.3	10.7	11.1	10.1
	100.0	100.0	100.0	100.0	100.0	100.0

University Teachers

University Teachers and the Staff-Student Ratio: The total number of teachers (including assistant lecturers, tutors, demonstrators and part-time lecturers) in the Faculties and the Institutions of the University during the year

under report is 856 as against the total student enrolment of 13,223. This gives an over-all teachers-student ratio of 1 : 15.4. The corresponding strength of the university teachers and the staff-student ratio over the five years is indicated below:

Year	No. of University Teachers	Student Enrolment	Staff-Student Ratio
1962-63	650	9,441	1 : 14.5
1963-64	690	10,315	1 : 14.9
1964-65	795	10,954	1 : 13.7
1965-66	853	11,629	1 : 13.6
1966-67	856	13,223	1 : 15.4

Hostel and Health Services

Halls of Residence: With a rapid increase in student enrolment, the pressure of demand from students for residential accommodation in the University Halls of Residence has been on increase. The University has been taking all possible steps to increase the hostel facilities for the students. In the first year 1949, the University had accommodation for only 400 men students and no accommodation for women students. At the end of the year under review, there were 10 halls for men and 4 for women students. There were 2,020 men students and 769 women students in different halls. The percentage of the students residing in the University hostels work out to be 21.1. The corresponding figures for the five years are as under:

Year	Students residing in Hostels			Percentage of Resident Students to the Total Enrolment
	Men	Women	Total	
1962-63	1527	575	2102	23.3
1963-64	1688	633	2321	22.5
1964-65	1735	697	2432	22.2
1965-66	1912	717	2629	22.6
1966-67	2020	769	2789	21.1

Health Service: The health service facilities and medical treatment provided at the University Health Centre Clinic have continued to be largely availed of by the members of the University staff and their families and the students. This could be seen from the following figures for the patients treated and daily average attendance over a period of the last five years.

Year	No. of Cases Treated					Daily Average Attendance
	Staff and their families	%	Students	%	Total Cases	
1962-63	4465	34.2	8587	65.8	13052	47.6
1963-64	5024	33.0	10184	67.0	15208	41.6
1964-65	5250	32.5	10986	67.5	16156	44.3
1965-66	5419	33.4	10795	66.6	16214	44.4
1966-67	7046	38.9	11055	61.1	18101	49.5

Other Developments

In the last seventeen years of its existence, the Faculties and the Institutions of the University have made considerable progress. The courses have been thoroughly revised keeping pace with recent advancements in various fields of knowledge; special emphasis is continued to be laid on tutorials, seminars and home assignments consistent with the special requirements of a teaching university; efforts are being made to improve conditions, academic and physical, obtaining in the Faculties and Institutions, new departments and new programmes of training and research have been added; provision of adequate staff, the improvement of old buildings, the addition of new buildings, the increased grants for equipments and teaching aids, the provision for a closer contact between teachers and the students, the creation of a good academic climate, development of library and laboratory facilities for the staff and the students, increasing the research output, introducing innovations in teaching and examination procedures and the maintenance of the quality of student discipline have continued to receive closest attention at the hands of the University authorities.

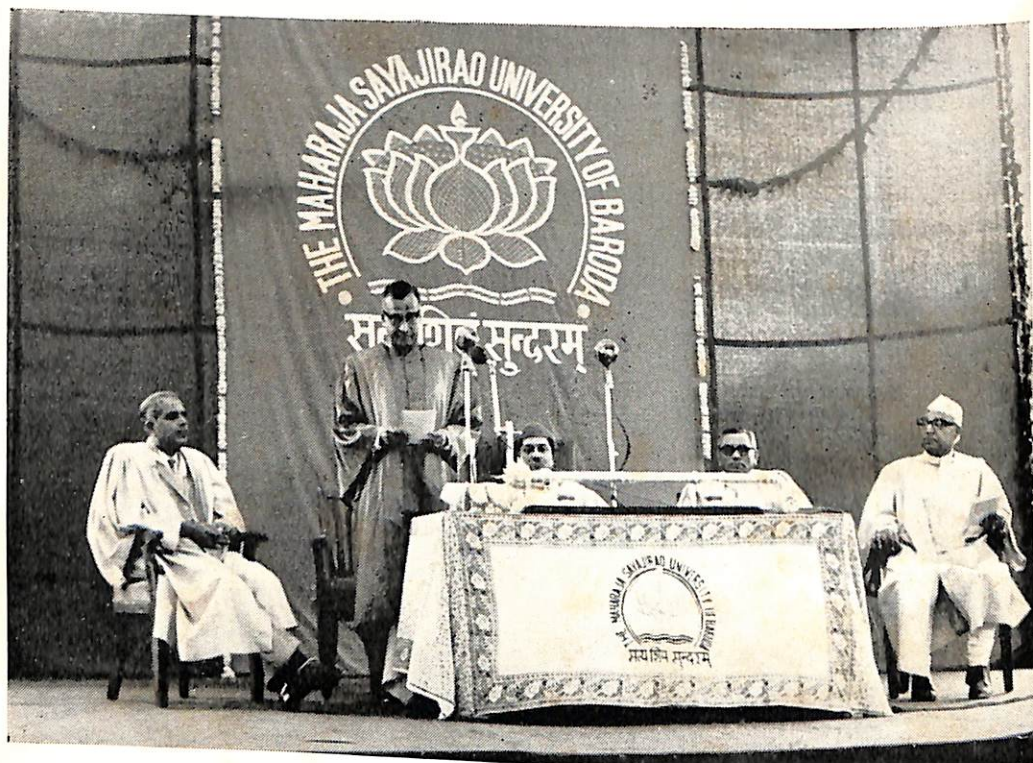
In the past seventeen years, the University has a good record of achievements and innovations. The new Faculties of Fine Arts, Home Science and Social Work were established in the year 1950 and the Faculty of Law in the year 1961. A new College—Shri Manibhai Kashibhai Amin Arts and Science College and College of Commerce was started at Padra in the year 1965.

With the help of financial assistance from the University Grants Commission, the University was able to strengthen and consolidate the teaching and research activities in the various departments of Humanities, Social Sciences and Sciences. The University also started the three year degree course in Arts, Science and Commerce and post-graduate courses in Bio-chemistry, Microbiology, Geology and Home Science. The Departments of Archaeology and Ancient History, and Museology were also developed with the help of the grants received from the

University Grants Commission. The Department of Education has been upgraded as a Centre of Advanced Study in Education (CASE) to carry on researches on problems of Education on an All India basis. The Students' Counselling Centre and the Examination Reform and Research Unit were established in the Second Plan. Some buildings for teaching purposes, and residential accommodation for students and teachers were constructed with the help of substantial grants from the University Grants Commission in the Second and the Third Plan periods.

On account of an expansion scheme in each of the Second and the Third Plan periods, the Faculty of Technology and Engineering increased the yearly intake capacity of the students from 75 to 300 in the degree courses in Civil, Mechanical and Electrical Engineering. Two new Departments viz. Chemical Engineering and Metallurgical Engineering were established in the year 1963 and 1966 respectively. The Faculty has also been recognised as a Teacher Training Centre. It has also started 9 post-graduate courses in the different branches of Applied Mechanics and Civil, Mechanical and Electrical Engineering, for which grants will be provided by the University Grants Commission. A new institution called the Polytechnic was established in the year 1957 to conduct diploma courses in Civil, Mechanical and Electrical Engineering. Two schemes approved by the All India Council of Technical Education and the University Grants Commission enabled the University to raise the intake capacity of students in diploma classes at the Polytechnic from 180 to 360. The Extended Diploma Courses in Civil, Mechanical and Electrical Engineering with an intake capacity of 100 students were started in the Polytechnic in the year 1963.

The development activities during the preceding years are described in the Seventeen Annual Reports that have been published so far. This eighteenth Annual Report covers the period from the 1st April, 1966 to the 31st March, 1967 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.



Dr. V. K. R. V. Rao, delivering the Convocation Address

CHAPTER I—GENERAL

1. Institutions in the University

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

1. Faculty of Arts, 2. Faculty of Science, 3. Faculty of Education and Psychology, 4. Faculty of Commerce, 5. Faculty of Medicine, 6. Faculty of Technology and Engineering, 7. Faculty of Fine Arts, 8. Faculty of Home Science, 9. Faculty of Social Work, 10. Faculty of Law, 11. Oriental Institute, 12. College of Indian Music, Dance and Dramatics, 13. Baroda Sanskrit Mahavidyalaya, 14. Preparatory Unit, Arts and Commerce, 15. Preparatory Unit, Science, 16. Shri M. K. Amin Arts and Science 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 13223 (10185 men students and 3038 women students) and that of non-University students was 1552 (1035 men students and 517 women students). The details of the students are given in Appendices I & II.

3. Special Features of the year

(1) Convocation:

(i) The Sixteenth Annual Convocation was held on 22nd October, 1966. Professor V.K.R.V. Rao, Member, Planning Commission, Government of India, delivered the convocation address. The Chancellor presided.

(ii) The Seventh Supplementary Convocation was held on 31st March, 1967. The Vice-Chancellor presided. The following degrees and diplomas were conferred during the convocations:

Sr. No.	Degree/Diploma	Annual Convocation	Supplementary Convocation	Total
1	Ph.D. (Arts)	5	6	11
2	Ph.D. (Science)	9	3	12
3	Ph.D. (Edu. & Psy.)	2	3	5
4	M.D	5	10	15
5	M.S.	3	6	9
6	M.A.	105	—	105
7	Acharya	5	—	5
8	B.A.	316	53	369

Sr. No.	Degree/Diploma	Annual Convocation	Supplementary Convocation	Total
9	Shastri	5	-	5
10	Diploma in Library Science	14	-	14
11	M.Sc.	126	-	126
12	B.Sc.	123	30	153
13	M.Ed. (by Papers)	19	-	19
14	M.Ed. (by Thesis)	2	-	2
15	B.Ed.	116	-	116
16	Diploma in Guidance & Counselling	3	-	3
17	M Com.	20	-	20
18	B.Com.	311	58	369
19	Diploma in Banking	17	-	17
20	Diploma in Co-operation	1	-	1
21	M. Sc. (in medical subjects)	3	7	10
22	M.B.B.S.	24	40	64
23	D.O.	2	-	2
24	D.A.	3	2	5
25	D.L. and O.	2	5	7
26	D. Ped.	4	6	10
27	D.C.P.	4	-	4
28	D.G.O.	5	5	10
29	M.E.	5	25	30
30	B.E.	299	44	343
31	B.Text. (Engg.)	16	-	16
32	B.Text. (Tech.)	11	-	11
33	B Arch.	35	10	45
34	P.G. Diploma in Refrigeration and Air-conditioning	-	4	4
35	LL.M.	1	-	1
36	LL.B.	52	35	87
37	D.T.P.	19	-	19
38	D.L.P.	32	2	34
39	M.A. (Fine)	2	-	2
40	M.Mus.	5	-	5
41	B.A. (Fine)	10	-	10
42	B.Mus.	5	-	5
43	Diploma in Museology	5	-	5
44	M.Sc. (Home)	13	7	20
45	B.Sc. (Home)	80	9	89
46	Diploma in Nursery School Education	3	-	3
47	M.S.W.	31	1	32
Total :		1878	371	2249

(2) *New Courses:*

The University started the following new courses during the year:

- (i) Five Year Integrated Degree Course in Metallurgical Engineering.
- (ii) Post-Diploma Diploma in Refrigeration and Air-conditioning.
- (iii) Degree Course in Library Science leading to the degree of B.Lib.Sc. in place of the post-graduate diploma course in Library Science.

(3) *New Buildings:*

The following new buildings have been completed and commissioned to use:

- (i) Animal House in the Faculty of Home Science.
- (ii) Chemical Engineering building in the Faculty of Technology and Engineering.
- (iii) Second Block of Hostel for 24 Teachers.
- (iv) 20 Lecturers' quarters.

(4) *Seminars, Summer Schools, Conference, etc.:*

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

- (i) Summer Institute in Mathematics for College Teachers under the Directorship of Professor U. N. Singh.
- (ii) Summer Institute in Public Health Engineering under the Directorship of Professor C. H. Khadilkar.
- (iii) Summer School in Switch gear and Protection Electrical Engineering under the Directorship of Professor P. R. Batni.
- (iv) Seminar on Methodology Teaching for Junior Lecturers under the Directorship of Professor A. S. Patel.
- (v) Seminar on Workshop on Student Advisement under the joint auspices of United States Educational Foundation in India. Dr. H. J. X. Fernandes, Counsellor, Students Counselling Centre, was the Director of the Seminar.
- (vi) The Regional Conference of Microbiologists in India.
- (vii) The meeting of Indian Physical Society (Gujarat Branch).

(5) *Distinguished Visitors :*

- (i) Dr. D. S. Kothari and Shri K. L. Joshi, Chairman and Secretary respectively of the University Grants Commission visited the University and its Institutions on 29th and 30th September, 1966.

(ii) Dr. Zakir Hussein, the then Vice-President of India visited the University and inaugurated the *State Fair-Gujarat* on 6th March, 1967 at the University Experimental School.

(iii) A Visiting Committee consisting of Experts—Professor B. M. Johri, Professor R. S. Krishnan, Professor H. J. Arnikar, Professor M. S. Gore—and University Grants Commission Officers—Shri K. L. Joshi, Dr. V. S. Patanker and Shri S. Viswanath visited the Faculties and Institutions on 27th and 28th March, 1967 in connection with the assessment of the development proposals of the University during the Fourth Five Year Plan.

(iv) The following are some of the other distinguished visitors to the University.

Major General Virendra Singhji, Director General of NCC	16-5-1966
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Dr. Warren C. Young, Field Co-ordinator, University of Wisconsin Team	12-7-1966
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Mr. Leaford C. Williams, Cultural Affairs Officer, United States Information Services, Bombay	9-8-1966
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Professor J. P. Chimot, Professor Agrege of Sourbonne University, France	6-9-1966
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Mr. Hajime Nakamura, Professor of Sanskrit, Tokyo	9-10-1966
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Shri Biswanath Das, Governor of U.P.	20-10-1966
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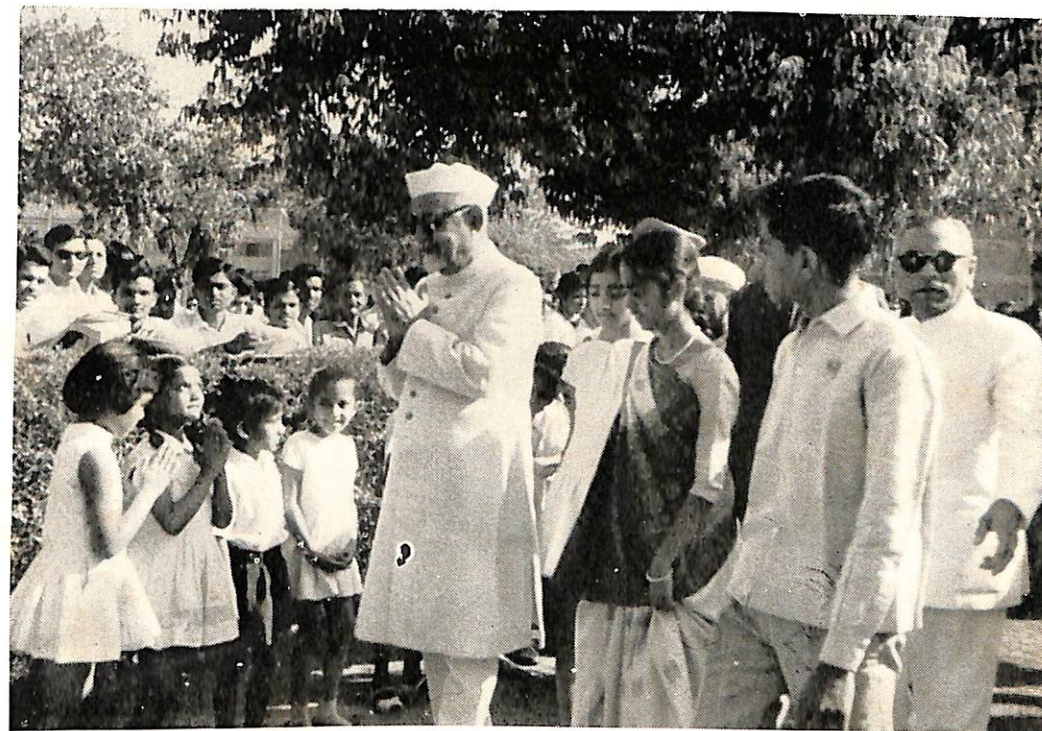
Professor T. Horvath, Specialist in Museology and Buddhism, Hungary	23-1-1967
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Dr. M. P. Schmidt, Expert in Indian History and Archaeology, Germany	8-2-1967
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Professor J. H. Heesterman, Eminent Indologist	21-3-1967
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(6) *Other Events :*

(i) The students and the members of the staff collected and contributed Rs. 96,847-19 and 237,333 grammes of gold to the National Defence Fund at the time of Chinese Aggression and Rs. 72,402-26 at the time of Pakistan Aggression. This year an amount of Rs. 16,629 was contributed to various Relief Funds as shown below :



Dr. Zakir Hussein at the STATE FAIR—GUJARAT

	Rs.
(a) Prime Minister's Drought Relief Fund, New Delhi	6,242
(b) Bihar Rahat Fund, Patna	2,801
(c) Chief Minister's Rahat Fund, Gujarat State, Ahmedabad	7,586
	<hr/> 16,629

(ii) The results of the various N.C.C. examinations are as under :—

Examination	Number of Students appeared	Number of Students passed	Pass Percentage
'B' Certificate	152	121	79.6%
'C' Certificate	30	22	73.3%
'A' Part I	187	150	80.2%
'A' Part II	6	6	100%

4. Teaching Staff

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

Professors: Dr. A. G. Javadekar (Philosophy), Dr. S. B. Pandya (Chemical Engineering), Dr. J. S. Dave (Chemistry), Dr. R. V. Joshi (Physics), Shri D. G. Godse (Applied Arts)

Readers: Dr. V. B. Trivedi (Hindi), Dr. M. G. Krishnamurty (English), Dr. V. K. Chavda (History), Dr. H. S. Desai (Physics), Dr. S. K. Shah (Nuclear Physics), Dr. P. K. Bhattacharya (Chemistry), Shri C. S. Patel (Mechanical Engineering), Shri R. C. Desai (Electrical Engineering), Shri V. S. Pramdar (Architecture), Shri S. K. Mehta (Mechanical Engineering), Shri V. H. Shah (Mechanical Engineering), Shri K. Surappa (Applied Mechanics), Shri V. S. Shah (Applied Mechanics), Shri V. C. Shah (Civil Engineering), Shri R. L. Gandhi (Civil Engineering), Shri R. M. Pancholi (English), Shri J. D. Patel (Applied Arts).

Lecturers: Shri A. Y. Mirza (Persian), Shri S. M. Dave (Sanskrit), Dr. L. M. Padhya (Education), Shri S. G. Shah (Electrical Engineering), Shri N. C. Murthy (Chemical Engineering), Smt. R. K. L. Padmini Agrawal (Physics), Shri A. V. Rahalkar (Electrical Engineering), Shri S. A. Thakar (Electrical Engineering), Shri V. S. Patel (Graphic Arts), Shri G. M. Shaikh (Art History), Kum. Sara Kurian (Foods & Nutrition), Dr. (Kum.) Savitri Kotecheri (Foods & Nutrition), Shri B. J. Pandya (Social Work), Shri R. S. Loiwal (Electrical Engineering), Shri I. H. Sheth (Mathematics)

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

Teachers Retired :

Professors: Professor I. P. Desai (Sociology), Professor N. S. Bendre (Painting), Professor C. H. Khadilkar (Civil Engineering).
Readers: Shri T. N. Joshi (Mechanical Engineering).
Lecturers: Shri M. F. Lokhandwala (Persian), Shri C. N. Treasurer (Textile Technology).

Teachers Resigned :

Readers: Dr. A. C. Patel (Environmental Archaeology), Shri E. L. Rodrigues (English), Shri B. K. Karia (Graphic Arts).
Lecturers: Shri P. G. Patel (English), Dr. (Miss) S. H. Trivedi (Sanskrit), Shri J. Y. Diwanji (Banking), Shri M. G. Nayak (Electrical Engineering), Shri K. P. Dabke (Electrical Engineering), Shri K. T. Desai (Textile Engineering), Mrs. Revathy Pillai (Child Development), Kum. Kusum Patel (Foods and Nutrition), Mrs. Dhruti Chaudhuri (Education and Extension), Shri H. R. Chaturvedi (Social Work), Miss Jayabala P. Patel (Social Work).

(3) The total number of teaching staff (excluding those in Medical College) consisted of 41 Professors, 101 Readers, 284 Lecturers, 274 Instructors, Assistant Lecturers, Tutors and Demonstrators and 26 Honorary, Part-time and others, the total being 726 (Appendix III)

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. K. T. M. Hegde, Lecturer in Archaeological Chemistry	Completed studies in Geochronological methods and Phistocure Geology
2	Dr. M. G. Krishnamurthy, Lecturer in English	Ph. D. in American literature, Wisconsin University
3	Dr. J. S. Dave, Reader in Organic and Physical Chemistry	Worked as Research Associate under Prof. M. J. S. Dewar, University of Texas, Austin.
4	Dr. S. K. Shah, Lecturer in Physics	Post-doctoral Research Work at Ohio, U.S.A.
5	Professor M. S. Patel, Professor of Education	Worked as Visiting Professor in the Michigan University.

Sr. No.	Name of the Teacher	Qualifications or experience acquired
6	Shri J. M. Bhatt, Reader in Painting	Worked as a special student under Fulbright and J. D. R. 3rd Fund Grant.
7	Miss Sara Kurian, Lecturer in Foods and Nutrition	M. S., Iowa State University, U. S. A.
8	Dr. (Miss) Savitri Kotecheri, Lecturer in Foods and Nutrition	Ph.D., Iowa State University, U. S. A.
9	Shri R. C. Desai, Senior Instructor in Applied Mechanics	Diploma in Structural Engineering, West Germany

(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	Shri J. D. Birjepatil, Lecturer in English	Ph.D. in English literature, University of Manchester, U. K.
2	Shri A. P. Rana, Reader in Political Science	Research Fellowship at the University of Geneva for study of India's Foreign Policy. (Working for the Ph.D. Degree)
3	Dr. (Mrs.) D. V. Shah, Lecturer in Bio-chemistry	Post-Doctoral Fellowship in U.S.A.
4	Miss V. S. Rajan, Lecturer in Geography	Doctoral Fellowship in France.
5	Dr. H. R. Chokshi, Lecturer in Bio-chemistry	Post-Doctoral Fellowship in U.K.
6	Dr. K. N. Trivedi, Reader in Chemistry	Post-Doctoral Fellowship in Australia.
7	Shri N. M. Vashi, Lecturer in Geology	Doctoral Fellowship in West Germany.
8	Miss V. R. Parekh, Assistant Lecturer in Microbiology	Training in Microbial Genetics
9	Dr. N. M. G. Bhaktan, Lecturer in Zoology	Research Associateship at North West University in U.S.A.

Sr. No.	Name and Designation	Purpose
10	Shri G. S. Gupta, Lecturer in Economics	Post-graduate Studies in Economics at John Hopkins University, Baltimore, Maryland, U.S.A.
11	Professor L. J. Bhatt, Professor of Psychology	Visiting Professor at the Michigan University under the Baroda Michigan Project
12	Shri K. C. Bhatt, Co-ordinator, Department of Extension Services	Training in higher education and Educational Administration at the Frankfurt University
13	Shri S. C. Patel, Lecturer in Civil Engineering Department	Higher studies leading to M.S. in Structure in U.S.A.
14	Shri S. P. Shah, Lecturer in Civil Engineering Department	Working for the doctorate degree in Civil Engineering in U.S.A.
15	Shri K. S. Shastri, Lecturer in Electrical Engineering Department	Advanced Training in West Germany under the German Academic Exchange Service Scholarship.
16	Shri K. G. Subramanian, Professor in Painting	For better acquaintance with art activity abroad, U.S.A.
17	Miss Asha K. Joshi, Assistant Lecturer in Child Development	Ph.D. in Family Relations, Iowa State University, U.S.A.
18	Miss Vidya Dave, Assistant Lecturer in Child Development	Participation in Child Development special programme in U.S.A.
19	Mrs. Arvinda Chandra, Lecturer in Home Science Education and Extension	Ph.D., University of Iowa, U.S.A.
20	Kum. P. S. Chari, Reader in Home Science Education and Extension	Ph.D., University of Iowa, U.S.A.
21	Mrs. Shashikala Shinde, Lecturer in Clothing and Textiles	For specialised training under French Government Scholarship, 1966-67.
22	Kum. Ela Harrison, Assistant Lecturer in Clothing and Textiles	Ph.D., Pennsylvania State University, U.S.A.

Sr. No.	Name and Designation	Purpose
23	Shri J. K. Motwani, Lecturer in Social Work	M.S.W., School of Social Work, Smith College, Northampton, U.S.A.

6. University Examination Results.

26 candidates were declared qualified for the award of the Ph.D. degree of this University in the year 1966-67. The names of the candidates, subject and the title of thesis are given in Appendix IV.

Statements showing the results of (i) March-April-May-June, 1966 and (ii) October-November-December, 1966 examinations are given in the Appendices V and VI.

7. Finances of the University.

(1) Endowments received during the year :

The Syndicate accepted the following donations :

(a) The Bank of India Ltd. Prizes Fund :

Donation of Rs. 3,450/- in the form of a Fixed Deposit from the Bank of India Ltd., Bombay for awarding two cash prizes of the value of Rs. 125/- each (1) to the candidates who passes the B.Com. degree (Final) examination with Banking subject, of March/April each year at the first attempt and obtaining the highest number of marks and (2) to the candidate who passes the B.Com. degree (final) examination, with Accountancy and Auditing subjects, of March/April each year at the first attempt and obtains the highest number of marks.

(b) Smt. Manigauri Beharilal Kantawala Memorial Scholarship Fund :

Donation of Rs. 7,000/- in the form of 70 'A' Second Preference Shares of Tata Iron & Steel Co. Ltd. from Shri B. H. Kantawala, for awarding a Scholarship to a student who passes the Final B.Sc. (Home) Examination held by the M.S. University of Baroda at the first attempt, obtaining the highest grade in Home Management as the major subject and prosecutes further studies for M.Sc. (Home) in the same Faculty for Research Work.

(c) Shri T. N. Joshi Merit Prizes Fund:

Donation in the form of 45 Second Preference Shares of Tata Iron & Steel Co. Ltd., from Shri T. N. Joshi retired as Reader in Mechanical Engineering at the Faculty of Technology & Engineering, for awarding three merit prizes of Rs. 75/-, Rs. 100/- and Rs. 125/- to first class students of B.E. II, B.E. III and B.E. IV Mechanical Examination of the five year integrated degree courses in Mechanical Engineering, respectively.

(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 the 1st April, 1966 to the 31st March, 1967 are given in the Appendix VII.

(3) *Revenue Accounts:*

The receipts and disbursements during the year 1966-67 are Rs. 92,60,692-44 and Rs. 1,00,87,771-12 respectively leaving a deficit of Rs. 8,27,078-68. Details of the accounts are given in the Appendix VIII.

(4) *Grants:*

The University received the grants of Rs. 35,22,567-39 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, United States Department of Agriculture, Health Administration (Am PL 480 programme) and other bodies. The details are given in the Appendix IX.

8. *Construction Division.*(1) *Capital Works:*

The Division supervised the Construction works of various buildings. extensions, additions, alterations and an amount of Rs. 10,09,788-51 was spent during the year on capital works.

(2) *Ordinary and Special Repairs:*

The total expenditure on repairs works during the year was Rs. 1,04,389-08 and Rs. 1,34,780/- on Ordinary and Special Repairs respectively. Also an expenditure amounting to Rs. 8,624-53 was incurred on immediate petty repairs to buildings.

CHAPTER II—OFFICERS OF THE UNIVERSITY

1. *Officers*(1) *The Chancellor:*

His Highness Maharaja Fatehsinhrao Gackwad, 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.

He attended the meetings of the Inter-University Board of India and Ceylon, National Institute of Community Development, Gujarat State Industrial and Research Committee. He was also included as a member of the Visiting Committees of the University Grants Commission for assessment of the Fourth Five Year Plan Development Schemes of the Universities of Udaipur and Rajasthan.

(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.

He attended meetings of the Institute of Engineers, State N.C.C. Advisory Committee, Board of Governors of the Indian Institute of Technology, A.I.C.T.E. Western Regional Committee, A.P.T.I. Executive Council Meeting, etc. He was also included as a member on the Selection Committee for Teachers Training, as a member on the Committee to discuss Education Commissions' Report for Technical and Engineering Education.

(4) *Deans of Faculties:*

The following Officers worked as Deans of the various Faculties:

<i>Faculty</i>	<i>Dean</i>
Arts	Professor V. Y. Kantak
Science	Professor S. M. Sethna (upto 30-4-1966) Professor A. R. Chavan (from 1-5-1966)
Education and Psychology	Professor M. S. Patel
Commerce	Dr. K. N. Naik
Medicine (Faculty) (College)	Dr. T. V. Patel Dr. A. D. Joseph

Faculty

Technology and Engineering
Fine Arts

Home Science

Social Work

Law

Dean

Professor L. B. Shah

Professor N. S. Bendre (upto 30-4-1966)

Professor N. N. Chaudhary (from 1-5-1966)

Professor (Smt.) Amita Verma (upto 30-4-1966)

Professor (Kumari) Justina A. Singh (from 1-5-1966)

Professor G. G. Dadlani

Professor H. C. Dholakia

(5) *The Registrar :*

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

(6) *The Librarian :*

Shri H. C. Mehta continued to work as Officiating Librarian throughout the year.

(7) *Other Officers :*

*Name**Designation*

- | | |
|---|---|
| (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
(upto 31-8-1966)
Shri K. D. Shah
(from 1-9-1966) | 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 and Science College and College of Commerce, Padra |
| (viii) Shri A. J. Desai
(upto 22-11-1966)
Shri M. M. Chokshi
(Officiating from 23-11-1966) | Principal, University Experimental School |

CHAPTER III—THE SYNDICATE AND THE SENATE

1. The Syndicate

The Syndicate consisted of 15 members. The term of office of the Syndicate members ended on the 31st October, 1966, and elections were held in the months of October and November to elect members. Shrimati Ansuya I. Amin ceased to be a member of the Syndicate on 15th September, 1966 on her ceasing to be Fellow of the Senate. Dr. B. B. Yodh, Shri D. M. Parikh and Professor M. S. Patel ceased to be members on 31st October, 1966. Professor N. S. Bendre ceased to be a member on 1st May, 1966 as he relinquished the office of the Dean and retired from University Service. The following persons continued to be/became the members of the Syndicate :

1. Dr. C. S. Patel, Vice-Chancellor
2. Professor P. J. Madan, Pro-Vice-Chancellor
3. Director of Education or his nominee
Dr. B. B. Yodh (Upto 31-10-1966)
4. Shri J. S. Parikh
Shri D. M. Parikh (Upto 31-10-1966)
Shrimati Ansuya I. Amin (Upto 14-9-1966)
5. Shri Chandrakant C. Mehta
6. Shri N. D. Chokshi
7. Shri P. C. Hathi
8. Shri N. B. Amin (From 1-11-1966)
9. Shrimati Amar B. Patel (From 1-11-1966)
10. Dr. C. B. Patel (From 1-11-1966)
Professor N. S. Bendre (Upto 30-4-1966)
Professor M. S. Patel (Upto 31-10-1966)
11. Dr. T. V. Patel
12. Professor V. Y. Kantak (From 1-11-1966)
Professor B. J. Sandesara (Upto 31-10-1966)
13. Professor S. M. Sethna
14. Professor L. B. Shah (From 1-11-1966)
15. Professor H. C. Dholakia (From 1-11-1966)

During the year the Syndicate held 10 meetings in which they considered and passed resolutions on 800 items. The following statement shows the attendance of the members at the Ordinary and Special meetings of the Syndicate during the year:

Name	No. of meetings held	Class of meetings O-Ordinary S-Special	Present	Absent
Dr. C. S. Patel, Vice-Chancellor	10	O.1 S.9	O.1 S.9	—
Professor P. J. Madan, Pro-Vice-Chancellor	10	O.1 S.9	O.1 S.9	—
Director of Education or his nominee, Dr. B. B. Yodh*	10 5	O.1 S.9 O.1 S.4	O.1 S.9 —	— — O.1 S.4
Shri J. S. Parikh	10	O.1 S.9	O.1 S.9	—
Shri D. M. Parikh*	5	O.1 S.4	O.1 S.4	—
Smt. Ansuya I. Amin†	4	O.1 S.3	— S.2	O.1 S.1
Shri Chandrakant C. Mehta	10	O.1 S.8	O.1 S.8	— S.1
Shri N. D. Chokshi	10	O.1 S.9	O.1 S.9	—
Shri P. C. Hathi	10	O.1 S.8	O.1 S.8	— S.1
Professor N. S. Bendre‡	1	O.1	O.1	—
Professor M. S. Patel*	5	O.1 S.4	— S.4	O.1 —
Professor B. J. Sandesara*	5	O.1 S.4	O.1 S.3	— S.1
Dr. T. V. Patel	10	O.1 S.9	O.1 S.5	— S.4
Professor S. M. Sethna	10	O.1 S.9	O.1 S.9	—
Shri N. B. Amin§	5	S.5	S.5	—
Dr. C. B. Patel§	5	S.5	S.4	S.1
Smt. A. B. Patel§	5	S.5	S.5	—
Professor L. B. Shah§	5	S.5	S.5	—
Professor H. C. Dholakia§	5	S.5	S.5	—

* Ceased to be a member from 1-11-1966

† Ceased to be a fellow from 15-9-1966 and subsequently as a member.

‡ Retired from Service from 1-5-1966

§ Became a member from 1-11-1966

2. The Senate

The Senate consisted of 97 members. The term of office of the ordinary members ended on 14th September, 1966 and elections were held to elect new members in August/September, 1966.

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

1. Shri L. R. Desai	15 Shri M. D. Patel
2. Shrimati Indumati Chimanlal	16 Shri N. S. Patel
3. Professor N. S. Bendre	17 Shri C. G. Bhatt
4. Professor (Smt.) Amita B. Verma	18 Shri C. K. Trivedi
5 Professor C. H. Khadilkar	19 Shri B. G. Contractor
6 Professor M. B. Desai	20 Dr. H. D. Sankalia
7 Professor U. N. Singh	21 Dr. M. S. Patel
8 Dr. H. L. Dholakia	22 Shri P. G. Shah
9 Shri N. J. Shah	23 Dr. M. J. Shah
10 Shri M. J. Bhatt	24 Shri V. R. Amberkar
11 Shri L. J. Jha	25 Shrimati Manu Desai
12 Shri R. C. Patel	26 Shri J. M. Thakore
13 Shri P. B. Zaveri	27 Shri V. H. Bhanot
14 Shrimati Ansuya I. Amin	28 Professor N. M. Bhatt

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

1 Professor U. J. Joshi	19 Shrimati Anjali S. Merh
2 Shri D. R. Mankad	20 Shri S. Y. Mishra
3 Shri Chandravan C. Shah	21 Shri M. A. Pandya
4 Shri V. J. Thakar	22 Shri I. R. Haribhakti
5 Shri Gordhandas R. Chokhawala	23 Shri D. J. Amin
6 Professor A. R. Chavan	24 Shri R. K. Patel
7 Professor N. Chaudhuri	25 Shri H. P. Mehta
8 Professor (Kumari) Justina A. Singh	26 Smt. Amar B. Patel
9 Shri I. A. Dave	27 Shri R. R. Parikh
10 Shri K. D. Shah	28 Shri C. M. Parikh
11 Dr. R. D. Parikh	29 Shri M. L. Bhatt
12 Professor N. S. Pandya	30 Shri N. C. Purohit
13 Shri R. D. Pandya	31 Shri Jashvantlal S. Shah
14 Professor S. M. Sen	32 Dr. C. G. Saraiya
15 Shri S. R. Patel	33 Dr. N. R. Desai
16 Shri H. R. Patel	34 Shri P. N. Bhagwati
17 Shri U. R. Gore	35 Shri Ramanlal S. Parikh
18 Kum. Indira I. Patel	36 Shri Rajni M. Patel

The Senate met twice during the year on 23rd October, 1966 and 31st March, 1967. 80 members attended the meeting held on 23rd October, 1966 and 56 members on 31st March, 1967.

First meeting (23rd October, 1966) :

The following business was transacted:

The elections of seven Fellows to the Syndicate, two Deans to the Syndicate, one member each on the Board of Visitors for 8 Institutions, two Fellows on the Board of Extra Mural Studies, and three members on the Board of Accounts were held. 94 Fellows were assigned to the Faculties. Replies to questions were given. Lapsed grants amounting to Rs. 53,575/- in the Capital Budget and Supplementary grants amounting to Rs. 2,13,155/- in the Revenue Budget were sanctioned. The proposals for amendment of Statute 199 and Statute 200 were considered and passed. Ordinances relating to examinations, syllabi, standard of passing and exemptions etc. for the Faculties of (i) Science, (ii) Medicine and (iii) Law and (iv) Pamphlet No. 1 of the Handbook Part III Faculty of Home Science and (v) Pamphlet No. 1 of Handbook Part IV were passed. The Seventeenth Annual Report and the Seventeenth Annual Accounts of the University for the year 1965-66 were passed and the excess expenditure over the revised estimates for the year 1965-66 was also approved. The report of the Board of Accounts for the year 1964-65 was considered and passed. The proposal to institute 26 posts was considered and passed. Faculty of Science—Professor in Petroleum Geology (1), Lecturer in Petroleum Geology (1), and Lecturer in Statistics (1). Faculty of Technology and Engineering—Metallurgical Engineering Professor (1), Readers (3), Lecturers (5), Lecturer in Applied Mechanics (1), Civil Engineering (1), Mechanical Engineering (2), Electrical Engineering (1), Physics (1), Chemistry (1) and Mathematics (1). M. K. Amin Arts and Science College and College of Commerce, Padra—Lecturer in Mathematics (1), Commerce (1), History (1), Economics (1), English (1) and Geography (1).

Second Meeting (31st March, 1967) :

The following business was transacted :

The elections of the Vice-Chancellor, and that of one member each on the Board of Visitors for 3 institutions were held. Two Fellows were assigned to their respective Faculty. The Annual Financial Statement comprising of the revised estimates for the year 1966-67 and the estimates for the year 1967-68 was considered and passed. The proposals for amendment of Statutes 91, 129, 130, 136, 193, 199 and 200 were considered and passed. Ordinances and Rules mentioned in Pamphlet No. 10 of the Handbook Part II-1961 were passed. The proposal to institute 68 posts was considered and passed : Faculty of Technology and Engineering—(a) Scheme of Introduction of post-graduate courses in Engineering—Professor of Applied Mechanics (2), Professor of Civil Engineering (2), Professor of Electrical Engineering (2), Professor of Mechanical Engineering (2), Conversion of a post of Lecturer in Applied Mechanics to Reader in

Applied Mechanics (1), Reader in Civil Engineering (2), Conversion of a post of Lecturer in Civil Engineering to Reader in Civil Engineering (1), Conversion of a post of Lecturer in Electrical Engineering to Reader in Electrical Engineering (1), Conversion of a post of Lecturer in Mechanical Engineering to Reader in Mechanical Engineering (1), Reader in Physics (1), Instrumentation (1), Mathematics (1). (b) Scheme of Introduction of three year degree course in Electronics Engineering—Electrical Engineering-Professor (1), Reader (1), Lecturer (1), Reader in Physics (1), Lecturer in Applied Mechanics (1), Mechanical Engineering (1). (c) Scheme of Development of the Architecture Department—Architecture-Professor (1), Readers (4), Reader each in Electrical Engineering (1), Civil Engineering (1), Applied Mechanics (1), Mechanical Engineering (1), Lecturers in Architecture (5), Lecturer in Civil Engineering (1), Applied Mechanics (1), Mathematics (1), Physics (1), Chemistry (1), English (1).

Faculty of Home Science: (Development of Post-graduate teaching and research). Professor of Home Science Education and Extension (1), Professor in Home Management (1), Reader in Child Development (1), Reader in Home Management (1), Reader in Clothing and Textiles (1), Reader in Foods and Nutrition (1), Lecturer in Child Development (1), Lecturer in Home Science Education and Extension (1), Lecturer in Clothing and Textiles (1), Lecturer in Foods and Nutrition (1). M. K. Amin Arts and Science College and College of Commerce, Padra:—Lecturer in English (1), Mathematics (1), Economics (1), Political Science (2), Gujarati (2), Hindi (1), Physics (1), Chemistry (1), Biology (1), Ancient Indian Culture (1), Sociology (1), and Psychology (1).

The designation of the existing post of "Excavation Assistant" in the Department of Archaeology and Ancient History was changed to that of "Lecturer (Excavation)".

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 4th August, 1966 and 17th February, 1967 and considered in all 59 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 1967-68. The titles of the schemes are given in Chapter VI—Research Work in the University.

(2) Recorded the 30th and 31st half yearly progress reports of the Critical Editions of old Gujarati Texts (Prachin Gurjar Granthamala).

(3) Recommended that (1) Pharmacology Division of the Drugs Laboratory, Baroda and (2) Tuberculosis Chemotherapy Centre, Madras 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 the Ph.D. degree.

(4) Recommended that the viva-voce at the M.A., M.Sc., and M.Com., Examinations be treated as a compulsory part of the respective examinations with 25% marks as the minimum prescribed for passing in them.

(5) Recommended the recognition of 18 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	
(ii)	Science	20-11-1966
(iii)	Commerce	20-11-1966
(iv)	Education and Psychology	20-11-1966
		19-11-1966
(v)	Medicine	3-2-1967
(vi)	Technology and Engineering	19-11-1966
(vii)	Fine Arts	19-11-1966
(viii)	Home Science	21-11-1966
		20-11-1966

<i>Sr. No.</i>	<i>Name of the Faculty</i>	<i>Date of the meeting</i>
(ix)	Social Work	19-11-1966
(x)	Law	20-11-1966
(xi)	Faculties of Arts, Science and Commerce	
	(Joint)	20-11-1966

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

(1) Faculty of Arts

- (i) One paper in English at the Shastri Examination in each year be introduced and the question of framing the syllabus etc. be referred to the Board of Studies in English Language and Literature.
- (ii) M.A. students offering English Principal be asked to bring to the viva-voce the papers they had written for the M.A. Seminars so that the examiners may, if they think it necessary, take these into account in arriving at the final assessments.
- (iii) Students taking Political Science as a Major subject be allowed to offer "Statistical Methods" as allied Minor subject at the S.Y. B.A. and T.Y. B.A. Examinations.
- (iv) The Diploma course in French be started from June, 1967.

(2) Faculty of Science:

- (i) Replacement of the special paper of 'Cytology' by 'Cytogenetics' at the M.Sc. (Final) examination with effect from 1967 examination be approved.
- (ii) Students who have passed (a) B.Sc. (Home) examination of this University with Foods and Nutrition as Major subject be allowed to register for M.Sc. degree in Bio-chemistry and (b) M.Sc. (Home) examination of this University with Foods and Nutrition be allowed to register for the Ph.D. degree in Bio-chemistry in the Faculty of Science.

(3) Faculty of Commerce:

- (i) Accepted the report of the Sub-Committee in the matter of replacement of the existing M. Com. groups of papers by three groups A, B, and C with a proviso that the students select eight papers, each of 100 marks, in all, with atleast two papers from each group and resolved that the respective Boards of Studies may draft syllabi for the above groups.

(4) Faculty of Education and Psychology :

A Committee be appointed to revise the Syllabi and Ordinances

relating to the M.Ed., B.Ed., Dip. Ed., D.G.C., and Diploma in Early Childhood Education keeping in view the proposed reform (viz. change of the marks system to the grade system) in the examinations of the Faculty of Education and Psychology.

(5) *Faculty of Medicine :*

- (i) The existing Ordinance O. M. 9. in the matter of distribution of marks in the first M.B.,B.S. practical examination in Anatomy be amended.
- (ii) The suggestions of the Ministry of Health, Government of India, in the matter of utilization of T.B. clinics for teaching Medical College students in T. B. treatment/control methods be approved.
- (iii) The following proviso be added to the existing Ordinances O. M. 44 and O. M. 61:
"Provided further that the candidates who are declared unsuccessful and whose dissertation are reported to be acceptable by the Board of Examiners need not be required to submit fresh dissertations at their subsequent appearance at the examination.

(6) *Faculty of Technology and Engineering :*

- (i) Ordinances, Schemes of teaching examination and syllabi etc. for the Post-graduate Diploma Course in Valuation of Properties ; recommended the introduction of the Post-graduate Diploma Course in Valuation of properties be approved.
- (ii) Ordinances, Syllabi, Scheme of examinations etc. for the Fifth Year of the Five Year Integrated Degree Course in CMECh Engineering be approved.
- (iii) The revised scheme for the Post-graduate degree course in M.E. (Electrical Engineering) and Servo-mechanisms and Automatic controls be approved.
- (iv) Recommended the introduction of the subject of Strength of Materials at the Fourth Year Extended Diploma Course in Mechanical and Electrical Engineering.
- (v) Recommended that the Theory Examination of First and Second Semester from First to Final Year and Term-work and Practical examination of Fourth and Final Year for the Five Year Integrated Degree courses in Civil, Mechanical, Electrical, Chemical and Metallurgical Engineering be conducted by the University.
- (vi) Recommended that the Theory examinations of First and Second Semester of First to Third Year and (ii) Term work and practical

examinations of Second and Third Year of the 3 years B. E. degree course in Electronics Engineering be conducted by the University.

- (vii) Recommended that the failure in the term-work at the various examinations under the Faculty of Technology and Engineering be considered as a 'head' for purposes of grant of A.T.K.T. to the students concerned.
- (viii) Recommended that the students intending to seek admission to the F.Y.B. Arch. Degree class be required to pass an aptitude test to be conducted by the Faculty of Technology and Engineering
- (ix) Recommended Ordinances, Syllabi, Scheme of examinations, etc. for the Preparatory Year Degree Course in Civil, Mechanical and Electrical for the benefit of the Diploma holders in CME.
- (x) Recommended syllabi of Paper I and Paper II in Mathematics for the B.E. (Electronics) examination.
- (xi) Recommended the syllabi in the subject of Engineering Economics and Works Management for the Final Year B.E. (C.M.E.Ch.) and B.E. (Electronics) courses.

(7) *Faculty of Fine Arts :*

- (i) The assessment of work for the first year and second year specialisation students and for students in the Graphic Art subjects be done by the teachers concerned.
- (ii) Recommended that the name of the Board of Studies be changed to " Board of Studies in Painting, Sculpture, Applied Arts and Art History. "
- (iii) The proposal that the M.A. (Fine) Art Criticism students should take " Modern Art " as one of the subjects and that they should take an examination in it alongwith students of Painting and Sculpture, be approved.
- (iv) Recommended that a student who obtains a minimum of 60% marks in practicals and a minimum of 45% marks in theory sessional tests in the subject of specialisation (Theory and Practical) and fulfils terms requirements, but fails at the Annual Examination be given the status of an ex-student and allowed to appear as an ex-student within three subsequent years.
- (v) Recommended that a student who has completed the B.Mus. Degree course with specialization in one subject and the five year Diploma course in another subject may be considered eligible for

admission to the Final Year B.Mus. course with the subject in which he has obtained his Diploma.

- (vi) Recommended removal of the restriction not allowing B.Mus. and M.Mus. students to join courses in two institutions simultaneously.

(8) *Faculty of Home Science:*

- (i) Reorganised programme of B.Sc. (Home) and M.Sc. (Home) in the subject of Child Development be approved;
- (ii) The outline of the syllabi and the introduction of the New courses for the various Semesters of the B.Sc. (Home) and M.Sc. (Home) Examinations be approved;
- (iii) Recommended introduction of the Diploma Course in Dietetics in the Faculty of Home Science.

(9) *Faculty of Social Work:*

- (i) Curriculum and reading lists for the academic years 1967-69 be approved.
- (ii) Recommended the scheme of numerical equivalents for conversion of the grades obtained at the M.S.W. Examination into marks and classes.
- (iii) Recommended continuation of the existing system of offering Block Field-Work placement to the M. S. W. students on voluntary basis.

(10) *Faculty of Law :*

A Committee be appointed to work out details regarding introduction of three year degree course in Law in the light of the resolution of the Bar Council of India.

3. **Boards of Studies**

Sr. No.	Name of the Board	Date of the meeting
(i)	Sanskrit, Pali and Prakrit Language and Literature	10-9-1966
(ii)	Persian, Urdu and other Asian Languages and Literature	10-9-1966
(iii)	Hindi Language and Literature	10-9-1966
(iv)	Gujarati Language and Literature	1-10-1966
(v)	Marathi Language and Literature	27-9-1966
(vi)	English Language and Literature	10-9-1966
(vii)	Modern and Ancient European Language and Literature	13-9-1966
(viii)	Sociology	13-9-1966
(ix)	History, Archaeology and Ancient Indian Culture	14-9-1966

Sr. No.	Name of the Board	Date of the meeting
(x)	Philosophy	1-10-1966
(xi)	Linguistics	15-9-1966
(xii)	Library Science	17-9-1966
(xiii)	Political Science	20-9-1966
(xiv)	Physics and Meteorology	17-9-1966
(xv)	Chemistry	17-9-1966
(xvi)	Botany	21-9-1966
(xvii)	Zoology	19-9-1966
(xviii)	Bio-chemistry	25-9-1966
(xix)	Microbiology	8-10-1966
(xx)	Geology	17-10-1966
(xxi)	Education	26-9-1966 & 3-2-1967
(xxii)	Psychology	26-9-1966
(xxiii)	Banking including Business Finance	22-9-1966
(xxiv)	Accounts	22-9-1966
(xxv)	Commerce including Business Administration	23-9-1966
(xxvi)	Co-operation	23-9-1966
(xxvii)	Anatomy and Physiology	10-10-1966
(xxviii)	Pharmacology and Pathology	1-10-1966
(xxix)	Medicine, Surgery, Midwifery etc.	24-9-1966
(xxx)	Technology (Textile)	6-10-1966
(xxxi)	Engineering	6-10-1966
(xxxii)	Architecture	7-10-1966
(xxxiii)	Law	16-10-1966
(xxxiv)	Painting, Sculpture and Applied Arts	8-10-1966
(xxxv)	Music, Dance and Dramatics	8-10-1966
(xxxvi)	Museology	17-10-1966
(xxxvii)	Child Development	29-9-1966
(xxxviii)	Foods and Nutrition	25-9-1966
(xxxix)	Home Science Education and Extension	17-10-1966
(xl)	Clothing and Textiles and Home Management	30-9-1966
(xli)	Social Work	10-10-1966
(xlii)	Mathematics	3-10-1966
(xliii)	Statistics and Actuarial Science	4-10-1966
(xliv)	Geography	5-10-1966
(xlv)	Economics	5-10-1966

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

A brief summary of the important business transacted by various Boards and Committees, during the year, is given below :

1. University Board of Sports

Three meetings of the University Board of Sports were held during the year. The Board appointed (i) a Committee to select the teams for participating in All India Tournaments, (ii) the coaches—(a) Shri G. Kishanchand for cricket, (b) Shri J. M. Ghorpade for Tennis, (c) Shri Y. S. Yadav for Kho-Kho (Men and Women), and (iii) a Sub-Committee to organise and conduct the All India Inter-University Kho-Kho Tournament (Men) under the auspices of this University at Baroda in the month of January, 1967.

2. Students Welfare Board

A meeting of the Students Welfare Board was held on 7th January, 1967. The Board recommended that (i) the Dean, Faculty of Fine Arts and the President, M. S. University Union be requested to propose a detailed plan of cheap hostel accommodation on a pilot plan basis, that (ii) the District Superintendent of Police, Baroda be requested to look into the matter of limiting the speed of the heavy vehicles on the University Road and on other Roads surrounding the University area in view of the heavy student traffic in the area, and that (iii) the Baroda Municipal Corporation be requested to provide more street lights/flash lights on the University Road and on the roads surrounding the University area.

3. Publication Board

The Publication Board met on 19th August, 1966. It considered and recommended the Publication of the following works:

(i) The Journal of Animal Morphology and Physiology and "PAVO" edited by Professor J. C. George, (ii) "The influence of English on Gujarati Poetry"—by Professor U. M. Maniar, (iii) "A Contrastive Study of Hindi—English Phonology"—by Shri M. G. Chaturvedi, (iv) "The Subbarao Memorial Number"—by the Department of History—Faculty of Arts, (v) "Report on Excavation at Shamlaji"—by Department of Archaeology and Ancient History, (vi) "Ancient Indian Society Religion and Mythology as depicted in Markandeya Purana"—by Kumari N. Y. Desai, (vii) "Similes in the Ramayana"—by Dr. M. M. Pathak, (viii) "History of Gujarat under the Muslims"—by Professor S. C. Misra.

In addition to the above the Board approved the programme of publication of two works under the Gaekwad's Oriental Series.

4. Board of Extra Mural Studies

The Board met on 19th August, 1966 and recommended a programme of extension lectures by University teachers and outside experts. An amount of Rs. 7,750/-was sanctioned for this purpose.

5. Library Committee

Three meetings were held during the year. It approved (i) the terms and conditions of the rates for the supply of books offered by the approved vendors for the year 1966-67, and (ii) sanctioned Rs. 50,000/-for periodical and science subjects and Rs. 20,000/-for Periodicals on Humanities and Social Science subjects from basic book grant of Rs. 2 lakhs sanctioned by the University Grants Commission for the Fourth Five Year Plan.

6. Building and Planning Committee and University Buildings Committee

A meeting of the University Building and Planning Committee was held on 6th December, 1966. It recommended (i) the programme of new construction works to be executed subject to the Gujarat Government's concurrence and assurance of funds, (ii) ordinary and special repairs to the various buildings of the University, and (iii) provision of Rs. 50,250/-in the revised budget estimate for the year 1966-67 for making necessary arrangements for the supply of water in the institutions of the University.

7. Standing Committee on Equivalence of Examinations

The Committee met twice on 22nd June, 1966 and on 17th February, 1967. It considered various items regarding equivalence of various examinations and cases of eligibility of students. It also considered various recommendations of the Inter-University Board of India and Ceylon regarding equivalence of examinations.

8. Boards of Visitors

Meetings of the Boards of Visitors for the Faculties of Education and Psychology, Fine Arts, Law, Home Science, Social Work and Commerce were held during the year. Their 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 were as under:

(1) *Faculty of Education and Psychology*: The Board met on 4th February, 1967 and recommended that (i) The syllabi of T.D. Course be so revised or reorganised as would enable primary group of teachers to get necessary training qualifications, (ii) some reorientation courses be organised for holders of T.D. qualification so as to fit them up for primary teaching as

trained personnel; (iii) some courses be organised for young lecturers in Colleges and Faculties to acquaint them with principles of pedagogy; (iv) the question of discontinuation of diploma courses and introduction of more optional groups at M.Ed. and B.Ed. levels be considered by the Faculty; (v) two posts of Readers in Psychology be advertised; and (vi) the M.A. Psychology Course be reorganised to include Industrial Psychology, Educational Psychology and Guidance and Counselling in the course.

(2) *Faculty of Fine Arts*: The Board met on 9th February, 1967 and recommended that (i) the Open Ota (Verandah) on the South side of the Lithography Section be covered and the extension of the Pottery shed on the North side be carried out and a curve compound wall along Bhukhi Nala be constructed. (ii) the post of Demonstrator in Fresco in the Painting Department be converted to that of Assistant Lecturer in Fresco Techniques. (iii) a course of B.A. (Fine) in History of Art be instituted; (iv) a course of (Fine) in Graphic Art (including Lithography, Photography Process etc.) be instituted with specialisations in etching Lithography, Process and Photography, (v) a five year Diploma courses in Painting, Sculpture and Applied Arts be introduced with admission qualification of passing the S.S.C. Examination (with or without English) and the same be brought in line with the Diploma courses in Fine Arts in other States and Government Institutions. (vi)....

(3) *Faculty of Law*: The Board met on 11th February, 1967 and recommended that (i) provision be made for a building for the Library and the Office of the Faculty of Law and for Library books for Post-graduate courses; (ii) a two-year LL.B. (Academic) degree course and a three year LL.B. course be started from the year 1967-68; (iii) two additional posts of lecturers be instituted in view of the three year LL.B. course; (iv) the possibility of introducing Constitutional Law and International Law as optional groups at LL.M. courses be examined by the Dean.

(4) *Faculty of Home Science*: The Board met on 13th February, 1967 and recommended that (i) research work in the Home Science Education and Extension Department be encouraged and developed further so that an appropriate curriculum in Home Science for Secondary Schools and necessary textbooks in Gujarati and Hindi may be prepared soon; (ii) the Faculty may consider the desirability of having a broad-based first degree course in General Home Science, and that the specialisations may be done at the Master's degree courses; (iii) some norms based on the requirement of students in undergraduate and post-graduate classes etc. be prepared for fixing up the amount of contingency per student in the budget, (iv) one reading room for students be provided; (v) additional staff sanctioned under the scheme of Development of post-graduate teaching and Research in the Faculty by the University Grants Commission be appointed; and (vi) the proposal for imparting instructions for

Ph.D. Degree course in Clothing and Textiles be referred to the Post-graduate Council.

(5) *Faculty of Social Work*: The Board met on 15th February, 1967 and recommended that (i) the posts of a Reader and a Lecturer be filled up; (ii) the norm for work-load for teaching staff be fixed; (iii) the necessity or otherwise of continuing the post of nurse in the Faculty be considered; (iv) the possibility of instituting a one-year post-graduate Diploma Course in Urban Community Development be explored; (v) the possibility of obtaining grants for organising a programme of training for Tribal Welfare Workers be explored; (vi) a movie projector 16 m.m. and a computing machine be purchased.

(6) *Faculty of Commerce*: The Board met on 20th March, 1967 and recommended that (i) the present courses at B.Com. and M.Com. level be made more practice-oriented than theoretical; (ii) S.Y.B.Com. Economics syllabii be revised so as to lay more stress on applied economics; (iii) a Committee be appointed to consider the question of appropriate allocation of the subjects of Finance, Accounts, Business Administration to appropriate departments; (iv) a dummy-Model Bank be started in the department to give effective practical training to the students of Post-graduate Diploma in Banking Course; (v) the posts of a Professor of Commerce having specialisation in Business Management, and of a Reader in Transport be advertised; (vi) the research activities amongst the members of the staff be encouraged and some research projects in the field of Business Management be taken up; (vii) the question of awarding grades or classes at the Post-graduate Diploma Examinations in the Faculty may be referred to the Boards of Studies concerned; (viii) additional accommodation of two class-rooms for the 4th division in S.Y.B.Com. and T.Y.B.Com. be provided; (ix) additional staff be given according to work load standards in case new divisions are started.

9. Academic Committee

The Committee met on 14th July, 1966 and decided that in view of the compulsory N.C.C. training for the first three years, it was not considered desirable to introduce N.C.C. training as an additional subject of the College syllabus and to introduce a written paper of 50 marks on Military Training, as suggested by the Director General, N.C.C., New Delhi. The Committee also recommended that the setting up of a Central Museum be accepted in principle and a Skeleton Project for such a Centre be prepared by the Head of the Museology Department.

10. Deans' Meeting

Three meetings of the Deans of Faculties and Heads of Institutions were held during the year. The Committee recommended as under:

(1) Young men on the University staff be encouraged to take extension courses and/or in-service courses which may be helpful in their work in the University provided that (i) their normal work does not suffer, (ii) leave for the purposes of study is not claimed as a matter of right, (iii) working hours do not over-lap with those of the institutions where they study, (iv) they are liable to be transferred to other institutions in the interests of service, (v) not more than 15% of the staff may be so permitted at a time.

(2) The programme of the Seminar on Teaching Methodology be generally approved and the Seminar be held in the Summer Vacation. Young lecturers be encouraged to attend the seminar and the participating staff members as well as the teacher-trainees be given proportionate privilege leave for attending the full-time course in the Seminar, and that for the new teachers appointed hereafter, their participation in the Seminar on the Methodology of Teaching be considered necessary during their period of probation.

(3) The proposal of the University Grants Commission on the adoption of a uniform calendar of terms by all Universities be accepted in principal. Programme for relief work in the drought affected areas of Bihar, Eastern Uttar Pradesh and certain other parts of the Country.

11. Finance and Establishment Standing Committee

Nine 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 of leave, etc. The recommendations of the Committee were placed before the Syndicate.

The Committee met as Budget Committee on 25th January, 1967. It submitted to the Syndicate the revised estimates for the year 1966-67 and the estimates for the year 1967-68 after scrutinising various proposals received from the Faculties, Institutions and Offices of the University.

12. Investment Committee

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

13. Press Supervisory Committee

Ten meetings of the Committee were held during the year. They considered the monthly reports of the Manager regarding the work of the Press, Station-

ery Unit and Publication Sales Unit and also the Printing Programme, and made recommendations regarding the purchase of paper, stationery, equipment etc.

14. Shri Sayaji Sahityamala Publication Committee

The Committee met on 24th August, 1966 and recommended the publication of the following works :

(1) અખો અને મધ્યકાલીન સંતપર' પર

by Dr. Y. J. Tripathi

(2) ચરકનો સ્વાધ્યાય

by Shri Bapalal G. Vaidya

15. Sir Sayajirao III Memorial Research Prize Fund Committee

The Committee met on 6th September, 1966 and declared the award of the Essay Prize of Rs. 300/- to Shri Parimal Himatlal Trivedi for his essay on 'ભારતમાં રાજકીય નેતૃત્વનો પ્રશ્ન'. It also decided to invite essays on the subject 'અર્વાચીન ભારતીય ઇતિહાસમાં શ્રીમંત સયાજીરાવ ગાયકવાડનું પ્રદાન' for the year 1966-67.

15. Wardens' Committee

Three meetings of the Wardens' Committee were held during the year. The allocation of seats for men and women students of the different institution in the Halls of Residence was made. The revised budget for the year 1966-67 and the budget for the year 1967-68 were prepared and submitted to the Syndicate for approval. It appointed a Committee consisting of (i) Warden, Maharshi Arvind Hall (Convener), (ii) Warden, Manubhai Mehta Hall, (iii) Warden, Sardar Patel Hall and (iv) one student nominated by the Warden concerned from each of the Halls of Residence, to fix the charges for non-vegetarian messes.

17. Selection Committees

During the period from 1st April, 1966 to 31st March, 1967, there were 33 meetings of the Selection Committees appointed under Section 48(2) of the Act and they recommended 33 candidates for appointment to the posts of Professors and Readers in various Faculties and Institutions in the University. There were 70 meetings of the Standing Selection Committee for Junior posts and 10 meetings of the Standing Selection Committee for Class III posts and 181 and 18 candidates respectively were recommended by these Committees for appointment to different posts in the University.

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

The Committee met on 8th October, 1966 and recommended an amount of Rs. 26,407 for distribution to the deserving students of the various Faculties and Institutions of the University. Special cases were also considered subsequently. The total amount of help given to the students during the year 1966-67 was Rs. 28,777.

19. N.C.C. Senior Division Advisory Committee

The Committee met on 5th September, 1966 and recommended that a Ship Modelling Workshop be constructed in Baroda for the cadets of the Naval Unit subject to availability of Funds. It also decided that Deans of the Faculties and Heads of the Institutions concerned may provide N.C.C. Officers from amongst the members of their teaching staff for the smooth working of the N.C.C. Training programme.

CHAPTER VI—RESEARCH WORK IN THE UNIVERSITY

During the year, post-graduate teaching and research work were carried on in almost all Faculties and Institutions of the University. 349 students, who were registered for the Ph.D. degree in previous years, continued work on their research dissertations. 68 new students (19 in Faculty of Arts, 39 in Faculty of Science, 1 in Faculty of Home Science, 5 in Faculty of Education and Psychology, 2 in Faculty of Medicine and 2 in Faculty of Technology and Engineering) were registered for the Ph.D. degree during the year under report.

2. Research Schemes sponsored by the University

On the recommendation 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 is borne by the University from its own funds. An amount of Rs. 73,345-17 was spent by the University for this purpose during the year.

<i>Faculty/Department</i>	<i>Research Scheme</i>
Faculty of Arts	
Archaeology and Ancient History	Chronology of Gujarat (942-1300 A.D.)
Gujarati	Publication of the "Shri B. K. Thakore Series"
History	History of Gujarat under the Muslims
Sanskrit	Critical edition of the Sahitya-Vidyadhari—a Commentary on the "Naisadhiya Caritam"
Politics	Political behaviour in Baroda City during the fourth general elections.
Faculty of Science	
Botany	(i) Studies on micro-Climate
	(ii) Cytotaxonomical studies of some selected leguminous genera of Gujarat.
	(iii) Studies on patterns of growth and cell division in suspension cultures derived from the roots of higher plants.
Chemistry	(i) Electron transfer and oxygen absorption reactions.
	(ii) Studies in the synthesis of furocoumarins.
	(iii) Intermediates and dyes Part I—Synthesis of anthracene derivatives.

<i>Faculty/Department</i>	<i>Research Scheme</i>
Geography	Population pattern in the towns of Gujarat.
Geology	Geology of the metamorphic rocks of Amba Mata area.
Physics	(i) Study of metal crystals, order, disorder and phase transformation in alloys. (ii) Study of molecular spectra of the halides of zinc and other allied diatomic molecules. (iii) Study of dislocations and the strength of crystalline solids.
Microbiology	Studies on enzyme induction and reversible mutation molds.
Zoology	Study of the feather moult.
Faculty of Medicine	
Biochemistry	Studies on enzymic contents of regenerating liver in laboratory rats subject to partial hepatectomy.
Medicine	(i) Early detection of cancer of papanicolau smear. (ii) Radiological appearances of normal chest of students.
Faculty of Technology & Engineering	
Architecture	Manufacture of special items of building materials and components necessary for modern construction and cost saving techniques.
Faculty of Home Science	
Child Development	Continuities and discontinuities in the lives of Indian adolescent girls.
College of Indian Music, Dance and Dramatics	
Dramatics	Scheme of bibliography of plays.

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

<i>Department</i>	<i>Title of the Project</i>	<i>Name of the Financing Agency</i>
Sociology	(ii) A study of Gujarat local finances vis-a-vis urban growth and its problems	Federation of Gujarat Mills and Industries, Baroda
	(i) Saurashtra Community Development 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
	(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 gall tumor a <i>Althaea rosea</i>	United States Department of Agriculture (Am PL 480 Programme)
	(ii) Sewage purification	"
	(iii) Effect of protein malnutrition and of different protein foods on learning performance	"
	(iv) Ascorbic acid secretion during lactation	"
Botany	(i) Studies on the effect of gibberellic acid a growth stimulating hormone, on cotton and sorghum	United States Department of Agriculture (Am PL 480 Programme)
	(ii) Experimental induction of tissues differentiation and 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
	(iv) Study of flora of Gujarat	"
Geology	(i) Geological investigations of the pre-Cambrian terrains	C.S.I.R.

<i>Department</i>	<i>Title of the Project</i>	<i>Name of the Financing Agency</i>
	(ii) Terrain evaluation studies in the Kutch area round Bhuj, Umia and Khavda	Ministry of Defence
Chemistry	(i) Effect of structure on the transition temperature of mixed liquid crystals	C.S.I.R.
	(ii) Organometallic semi-conductors	"
	(iii) Separation of alkaloids	Department of Industries, Gujarat State
	(iv) Co-ordination polymers	"
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.
Physics	(i) Optical and related properties of luminescent materials	"
	(ii) Studies of molecular spectra of fifth group diatomic molecules	"
	(iii) Optical studies on etched surfaces of metal alloy crystals	"
Physics	(iv) Studies in liquid crystals effect of structure on liquid crystal state	C.S.I.R.
	(v) Study of band spectra of some diatomic molecules of fifth group	"
	(vi) Study of band 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

<i>Department</i>	<i>Title of the Project</i>	<i>Name of the Financing Agency</i>
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 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 Education and Psychology		
Psychology	(i) Behavioural problem of normal school going children—ages 7, 8, 9 and 10	University Grants Commission
Faculty of Technology and Engineering		
Civil Engineering	Sagol research project	Department of Industries, Gujarat State
Mechanical Engineering	One stroke engine	"
Electrical Engineering	Correlation between frequency response and transient response of non-linear control systems	University Grants Commission
Architecture	Socio-architectural survey of the Kutch region	University Grants Commission
Faculty of Home Science		
Home Management	(i) Cost of fuels	Home Science Project Ford Foundation
	(ii) Iron performance	"
Child Development	(i) Mental and motor measurements of infants between the ages 2 to 5	University Grants Commission
	(ii) Longitudinal growth of Indian children	U.S. Department of Health Education and Administration, Am PL 480 Programme

<i>Department</i>	<i>Title of the Project</i>	<i>Name of the Financing Agency</i>
Foods and Nutrition	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	(i) A study of the conflicts of the young adult students in relation to parental norms and behavioural manifestation of these	U.S. Department of Health Education and Welfare, Am PL 480 Programme
	(ii) A study of conditions and care of the aged in rural communities as found in certain parts of Gujarat	University Grants Commission

4. Examination Reform and Research Unit

There have been a number of complaints that educational standards have been falling and various causes for the same are being advanced. One of the causes is believed to be the poor performance of students from backward classes, scheduled castes and scheduled tribes in relation to that of students from other communities. To ascertain the validity of this argument, this Unit undertook the study of comparative achievements of students coming from backward classes, scheduled castes and scheduled tribes and of students coming from other communities, in the degree courses of the Faculty of Technology and Engineering and also in the diploma courses of the Polytechnic.

The sample comprised all the students belonging to backward classes, scheduled castes and scheduled tribes who were admitted to the Faculty of Technology and Engineering during the years 1958 to 1962, and those who were admitted to the Polytechnic during the year 1959 to 1963.

On analysis of the data regarding those students and their equivalents, the following points have been noticed :

(1) On the whole, 38.60% of the students from backward communities left the Polytechnic without getting the diploma while only 6.73% of their equivalents from other communities left the Polytechnic without getting the diploma. In the case of degree students, the figures are 24% against 10% of students from other communities.

(2) Students from backward communities admitted to degree and diploma courses on the basis of less than 40% marks at the qualifying examinations, left their studies without completing the courses.

(3) Those of the students from backward communities who completed the diploma courses compared very favourably with their equivalents from other communities. In the degree courses, the level of achievement of students from backward communities was significantly lower than that of students from other communities.

(4) In the degree and diploma courses, the wastage in years was more in the case of students from backward communities than that in the case of those from other communities.

(5) As the number of students from backward communities admitted to the diploma and degree courses is small, and from that number, a small percentage completes the courses, the fall in standards cannot be attributed to admission of students from backward communities to the two courses.

The fact that the large number of students from backward communities with high percentage of marks leave the courses before completion, may suggest that factors other than the academic competence—factors like finance, environments, proper encouragement and motivation—are responsible for this. A systematic investigation in this area may help to improve the situation.

The next problems under investigation is “ Empirical Study of the Competitive Selection Test as a criterion for admission to degree courses in Engineering”. The data consists of all students who were admitted to F. E. class from 1957 to 1965. Their percentages at the Preparatory Science Examination and at the Competitive Selection Test have been tabulated. Analysis of the data and the follow-up study of those students till their final year examinations are in progress.

CHAPTER VII—LECTURES AND DEPUTATIONS

1. Lectures

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

Faculty of Arts		
Name of the Lecturer	Date	Subject
1 Prof. M. A. Brimer, Director, Centre for Educational Research, University of Bristol, U.K	29-7-1966	Literary criticism
2 Dr. S. P. Srivastav, Director, Museum and Archaeology, Government of Rajasthan, Jaipur	13-8-1966	Archaeology of Rajasthan
3 Prof. George Moraes, Bombay University, Bombay	31-8-1966	Methodology of Historical Research
4 Prof. Chimot, The Visiting French Professor	15-9-1966	French Revolution and France in 19th Century
5 Dr. Urbanek, German Lect. Bombay University, Bombay	23-9-1966	The image of the German formerly and now-a-days
6 Prof. P. S. Naidu, (Member Philosophy) Terminology Commission, Ministry of Education, Government of India, New Delhi	10-10-1966	Research methods in Social Sciences
7 Dr. Howard L. Erdman, Dartmouth College, U.S.A.	15-12-1966	The Swatantra Party and India's Foreign policy
8 Prof. J. C. Hammerstein, Leidean, Netherlands	15-12-1966	'Market Towns'
9 Dr. V. G. Pendharkar, Economics Adviser, Reserve Bank of India	13-2-1967 14-2-1967 15-2-1967	Monetary Theory and Policy

Name of the Lecturer	Date	Subject
10 Dr. L. S. Leshnik, Prof., University of Heidelberg	15-2-1967	Pre-History in Afghanistan
11 Shri B. K. Thaper, Director of Excavation, Central Govt., New Delhi	16-2-1967 17-2-1967	Kalibangan Excavation Neolithic phase in India, Post-Harappan Chalcolithic Cultures—A Reappraisal
12 Prof. Nurul Husan, Head, Department of History, Muslim University, Aligarh	25-2-1967	Nature of the State in Medieval India
Faculty of Science		
1 Dr. I. D. Desai	2-7-1966	Lysosomes
2 Prof. G. G. Lorentzi	14-7-1966	Approximation
3 Dr. Bonie	14-7-1966	Mean Value Theorems
4 Dr. Earl Traft	14-7-1966	Prime numbers
5 Dr. P. R. Masani	20-7-1966	Continuous Hypothesis
6 Professor W. Roman	7-8-1966 8-8-1966	Research Techniques
7 Prof. J. J. Ghose	9-8-1966	Drug action and Brain Metabolism Action of Neuropharmacologic drugs at the level of brain Ribonucleoproteins Biosynthesis of Ascorbic Acid in Animals—Molecular levels Amino Acid imbalance A popular talk on "Moving Frontiers of biology"
8 Shri C. R. Dasgupta	20-8-1966	Some aspects of petroleum industry
9 Dr. S. Selwyn	22-8-1966	Bacterial Food Poisoning
10 Prof. M. A. Brimer	23-8-1966	Applications of Statistics in Educational problems
11 Dr. M. V. Sivramakrishnan	2-9-1966	Biological role of isotopes
12 Dr. Shetty	8-9-1966	Dislocations and plastic deformations in crystals

<i>Name of the Lecturer</i>	<i>Date</i>	<i>Subject</i>
13 Dr. R. D. Desai	17-9-1966	John Dalton Bicentenary Symposium The bonding of atoms in organic molecules
14 Dr. R. D. Patel	17-9-1966	Atomic structure
15 Dr. A. M. Trivedi	17-9-1966	Matter and Antimatter
16 Dr. B. C. Haldar	17-9-1966	Some recent developments in Inorganic Chemistry
17 Dr. H. J. Ardikar	17-9-1966	Field induced Asymmetry in Diffusion
18 Prof. I. C. Pande	20-9-1966	Structure of the Himalayas
19 Dr. Ruth Leverton	23-9-1966	Nutrition projects supported by PL 480
20 Prof. Theophilus	24-9-1966	Studies on leaf green
21 Prof. J. V. Bhat	25-9-1966	Enrichment culture technique
22 Prof. Kamala Sohonie	25-9-1966	Hemoglutains in common Indian legumes
23 Prof. Kalyan Bagchi	26-9-1966	Nutrition problems in India
24 Dr. A. K. Sharma	23-9-1966 to 26-9-1966	Gene Concept Genetics and Genetic Code Cytological data as an aid to Taxonomy
25 Prof. A. R. Roy	2-10-1966 to 4-10-1966	Theory of Games (six lectures)
26 Dr. S. S. Rao	7-10-1966 8-10-1966	Recent work on antibodies and their structure Recent work on Allergy and the PCA reaction. Applications of Immunology in Medicine and Bio-chemistry
27 Prof. R. C. Kapoor	10-10-1966	Polarography
28 Prof. Dubov	10-10-1966 to 12-10-1966	Crystal Morphology

<i>Name of the Lecturer</i>	<i>Date</i>	<i>Subject</i>
29 Dr. G. S. Sidhu	21-10-1966 22-10-1966	Some extractives from the wood or Diosphyros species. Benzoxazines, benzoxapines and S-triazoloiso-quinolines
30 Dr. T. V. Subbaiah	1-12-1966 4-12-1966 8-12-1966 11-12-1966 15-12-1966 18-12-1966 22-12-1966 10-1-1967 12-1-1967	Introduction and genetic system " Genetics of higher organisms and micro-organisms Chemistry of Genetics Transformation Transduction Conjugation Episomes Phage Genetics
31 Mr. V. J. Amin	5-12-1966 9-12-1966 12-12-1966 16-12-1966 19-12-1966	Biochemical Engineering " " " "
32 Prof. D. V. Rege	6-12-1966 7-12-1966	Biochemical changes in yeast adapting to oxygen. Genetic transformation in bacteria Biogenesis of pteridines Metabolic modifications in Euglena by light and nutrients
33 Prof. P. R. Krishnaswamy	19-12-1966 20-12-1966	Mechanism of peptide bond synthesis and hydrolysis Metabolism of aromatic amino-acids Plant and Animal Glycoproteins Acetyl Amino-Acids Chemistry and Function
34 Prof. A. S. Divetia	19-12-1966 to 23-12-1966	Nuclear Physics
35 Prof. M. C. Chakrabarti	26-12-1966 to 31-12-1966	Sampling Theory and Operations Research (12 lectures)
36 Dr. C. B. Patel	7-1-1967	Fertilizer Industry with special reference to Gujarat

Name of the Lecturer	Date	Subject
37 Prof. J. Nagchaudhuri	14-1-1967 to 17-1-1967	Diet, Experimental Atherosclerosis and Acid Mucopoly Saccharides Biochemical derangements in protein malnutrition syndrome Perspectives in Nutrition.
38 Dr. K. Subramaniam	16-1-1967 to 20-1-1967	Gluconeogenesis
39 Dr. Marry E. Dumm	23-1-1967 to 25-1-1967	Protein malnutrition in South Indian children
40 Dr. B. P. Burma	27-1-1967 28-1-1967 28-1-1967	Microbial Genetics Regulatory Mechanisms in Micro-organisms Sex and other factors in Micro-organisms
41 I.C.T. Officers, I.C.T. Bombay	1-2-1967 2-2-1967	Data Processing (with films)
42 Shri S. M. Mathur	1-2-1967	Sedimentary Structures
43 Dr. B. M. Singh	1-2-1967 1-2-1967 2-2-1967	History, incidence and laboratory diagnosis of intestinal amoebiasis Unsolved problems in Amoebiasis Pathogenicity of free living amoebae
44 Dr. W. V. B. Sundara Rao	9-2-1967 10-2-1967 11-2-1967	The rhizosphere microflora in relation to crop growth Bacterisation with Rhizobium and Azotobacter in nitrogen economy Phosphorus uptake by crops as influenced by microbial activity
45 Dr. M. K. Subramaniam	12-2-1967	Plant tissue culture
46 Dr. M. R. S. Iyenger	16-2-1967 17-2-1967 20-2-1967 25-2-1967	Antimicrobial Substances of Host Origin " " Recent developments in parboiling and drawing of paddy Thermal stabilization enzymatic in activation of via brane
47 Prof. T. K. Ghose		

Name of the Lecturer	Date	Subject
48 Dr. K. Gopal Krishnan	27-2-1967 28-2-1967 1-3-1967	Isolation and preservation of Industrial micro-organisms Microbial technology and assay Current research and future trends in microbial fermentation
49 Prof. Ramchand Paul	10-3-1967	Acylhalides as non-aqueous solvents
50 Dr. B. D. Tilak	21-3-1967	Some of his recent work
51 Dr. (Mrs.) Archana Sharma	23-9-1966 to 26-9-1966	Origin of species in relation to Cytology Chromosomal Alternations
52 Prof. R. P. Singh	16-12-1966	Group Theory
53 Prof. J. G. Winans	23-1-1967	Lasors and their scientific applications

Faculty of Commerce

1 Dr. C. D. Datey, Jt. Chief Officer, Reserve Bank of India, Bombay	19-12-1966 20-12-1966	Co-operative Agricultural Credit
2 Dr. K. S. Basu, Director of Jamnalal Bajaj Institute of Management Studies, Bombay	21-1-1967	The human factor in Management
3 Shri F. K. F. Nariman, Managing Director, Union Bank of India Ltd., Bombay	27-1-1967	Some Aspects of Development in Indian Banking since 1951
4 Dr. P. R. Brahmanandan, Professor of Economics, University of Bombay, Bombay	9-2-1967 10-2-1967	Monetary theories and policies
5 Dr. S. K. Saxena, Regional Officer, International Co-operative Alliance, New Delhi	15-2-1967	Some Aspects of Consumers' Co-operation

Faculty of Technology and Engineering

1 Shri H. N. Dallas, Chartered Architect, Bombay	24-9-1966 25-9-1966	Professional Practice
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<i>Name of the Lecturer</i>	<i>Date</i>	<i>Subject</i>
2 Prof. Harold A. Johnson, American Advisory Com- mittee of B.I.T.S. Pilani	15-12-1966	Some Area of Heat Transfer
3 Shri Sukhadev D. Mehta, Works Manager, Gujarat Polyamide Ltd.	19-1-1967	Tools of a Chemical Engineer; Chemical Engineering—Then & Now
4 Dr. Marzoor Alam, Director, Hyderabad Metro- politan Research Project, Osmania University, Hyderabad	4-2-1967 6-2-1967	Hyderabad Metropolitan Plan
5 Dr. K. T. Sundara Raj Iyengar, Professor of Civil Engineering, Indian Insti- tute of Science, Bangalore	30-1-1967 31-1-1967	Some Aspects of Analysis & Design of Structures
6 Dr. M. Chaudhari, Professor and Head, De- partment of Electronics and Telecommunication, Birla Institute of Tech., Pilani (Rajasthan)	30-1-1967 to 1-2-1967	Communication System

Faculty of Medicine

1 Dr. P. K. Duraiswami, Director of the Central Institute of Orthopaedics, New Delhi and Adviser, Rehabilitation to the Gov- ernment of India	29-10-1966 30-10-1966	The role of experimental induction of Congenital defects in the elucida- tion of the etiology of human con- genital defects
2 Dr. N. K. Datta, Head of the Dept. of Pharmacology, Haffkine Institute, Bombay	24-2-1967	Positive contribution of indigenous drugs in the treatment and diseases
3 Prof. R. B. Arora, Director, Indian Institute of Experi- mental Medicine, Calcutta	19-3-1967	5 Lectures on Pharmacology

<i>Name of the Lecturer</i>	<i>Date</i>	<i>Subject</i>
Faculty of Fine Arts		
1 Dr. D. H. Koppar	14-9-1966	Introduction to cultural Anthro- pology and Society
	15-9-1966	Anthropology in Indian Museum Tribal Art of India
2 Shri Sachin Ray	29-9-1966 30-9-1966	Organisation of an Anthropological gallery in a Museum
3 Shri Arun Bose	15-10-1966 17-10-1966	Lecture and Demonstration in colour Etching and Print making
4 Shri S. R. Potdar	20-10-1966 to 22-10-1966	Decorative Metal Wares Handloom Textiles, Indian tradi- tional Crafts and their revival
5 Shri Banbihari Ghose	29-11-1966 30-11-1966	What is Textile Design "
6 Dr. Niharranjan Ray	7-12-1966 8-12-1966	Idea and Image of flux Idea and Image of Matter and Life
7 Dr. Grace Morley	20-12-1966 to 22-12-1966	Examples of Good foreign museums
8 Shri P. N. Sharma	16-1-1967 17-1-1967	Typography and Advertisement
9 Shri M. S. Chandrasekhar	24-1-1967 25-1-1967	Botany in Indian Museums
10 Dr. N. C. Choudhury	30-1-1967 31-1-1967	Physical Anthropology as a subject of Museum Presentation
11 Shri Fazludin Chitara	3-2-1967 4-2-1967	Demonstration in Traditional Rajas- thani Painting
12 Dr. Motichandra	9-2-1967 10-2-1967	Indian Textiles
13 Prof. J. P. Chimot	14-2-1967	French Art and Art Education in France
14 Shri Devkinandan Sharma	23-2-1967	Traditional Technique of Painting
15 Shri Jagannath Ahiwasi	11-3-1967	Aesthetics

Faculty of Home Science

1 Dr. Margaret Fernandiz	1-8-1966	Educational Goals and Philosophy of Nursery School Education in India and United States
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<i>Name of the Lecturer</i>	<i>Date</i>	<i>Subject</i>
2 Dr. Florence, Theophilus Women's Christian College, Madras-6	24-9-1966	Studies on leaf greens
3 Shri N. F. Kaikobad, Head, Urban Community Dev. Dept., Tata Inst. of Social Science, Bombay	15-12-1966	Urban Community Development in India
4 Shri N. P. Chaudhari, Zonal Society of Cultural Bharat Sevak Samaj	16-12-1966	Youth Welfare in India and Abroad
5 Father Fuster	19-12-1966	Sex Education
6 Dr. B. B. Chatterjee, Prof. of Psychology, Gandhian Institute of Studies, Varanasi (U.P.)	20-1-1967 to 22-1-1967	Theories of personality group processions and research in socio- metry as used in the class room teaching
7 Dr. K. N. Singh, Prof., Agricultural Exten- sion Research Inst., Delhi	1-3-1967	Problems in Programme Planning Problems in Supervision in Educa- tion and Extension
8 Dr. Ethel Horn	5-3-1967	Readiness for School
9 Dr. Kamla Bhoota	15-3-1967	Readiness for School
Faculty of Social Work		
1 Swami Atmanand of Vivekanand Ashram, Raipur	30-9-1966	Philosophy of Ramkrishna Mission and its Role in the field of Social Welfare
2 Mr. Narayanaswamy, Railway Staff College	14-10-1966	Functions of Personnel Department
3 Dr. Anil V. Shah, Head of the Psychiatry, B. J. Medical College, Ahmedabad	21-12-1966	My interesting cases
4 Shri Chinani, Psycho- therapist, Home for crip- pled children, Baroda	23-1-1967	Physiotherapy and Occupational therapy and the Rehabilitation of Orthopaedically handicapped child- ren
Faculty of Law		
1 Shri Girish Patel, Principal, New Law Col- lege, Ahmedabad	11-3-1967	Law of Contracts

2 Deputation to Conferences

The University deputed 57 members of the teaching staff to attend conferences, symposia, seminars, etc. as delegates of the University. An expenditure of Rs. 7700.81 was incurred during the year.

3 U.G.C. Unassigned Grant

(1) Out of the unassigned U.G.C. grant of Rs. 27,000/- an amount of Rs. 8,000/- was earmarked by the University for purpose of awarding travel grants to the teachers, research scholars and technical staff working in various faculties and institutions. During the year the grants were awarded to 18 staff members for the purpose of doing research, higher training etc. in University Departments or Centres of learning and institutes of repute as per details given below. An expenditure of Rs. 7152-19 was incurred and met from the above grant.

Faculty of Arts

<i>Sr. No.</i>	<i>Name of the Teacher/Scholar</i>	<i>Place and purpose of the award</i>	<i>Number of days</i>
1	Prof. S. C. Misra, Prof. in History	To consult manuscripts at the Khudabaksh Oriental Public Library, Patna, National Library, Calcutta and for field work in Sashram Rohtas, Monghyr etc.	10
2	Shri A. P. Rana, Reader in Political Science	To consult the Library at Indian Council of World Affairs, New Delhi	12
3	Dr. A. N. Jani, Reader in Sanskrit	To consult a rare MSS of Sahitya Vidyadhari, Commentary on the Naisadhiya Caritam at the Anup Sanskrit Library, Bikaner.	40
4	Dr. V. K. Chavda, Lecturer in Political Science	To consult original records in the archives at the National Archives of India, New Delhi	15
5	Shri R. A. Vakil, Lecturer in Political Science	For research in the field of Union Relations in Education in India at the Indian Institute of Public Administration, New Delhi	10
6	Ku. 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, Bombay	20

Sr. No.	Name of the Teacher/Scholar	Place and purpose of the award	No. of days
7	Shri R. S. Mehta, Lecturer in Agricultural Economics	To consult back numbers of rare periodicals at the Department of Economics, University of Bombay	12
8	Shri B. B. Patel, Lecturer in Economics	To refer back numbers of foreign journals at the Department of Economics, University of Bombay and the Indian Society of Agricultural Economics	7

Faculty of Science

9	Shri Jaychandra, Research Scholar, Department of Botany	Study of Phytosociology of weeds in Dharwar and the other areas at the Department of Botany, Karnatak University, Dharwar	20
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Faculty of Technology and Engineering

10	Shri K. P. Dabke, Lecturer in Electrical Engineering	Study of Testing and Safety Procedures in High Voltage Laboratory at the Indian Institute of Science, Bangalore	31
11	Shri R. N. Chokshi, Lecturer in Civil Engineering	Study of latest development in the planning, design and construction of buildings at Central Building Research Institute, Roorkee	10
12	Shri V. C. Shah, Lecturer in Civil Engineering	Viscosity temperature study of paving asphalts at the Burmah Shell and Esso Laboratory of Asphalt Research, Bombay	3
13	Shri N. R. Parikh, Lecturer in Applied Mechanics	Training in Chemistry of Soil at the Indian Institute of Technology, Powal, Bombay	15
		Study in Foundation Engineering at the Central Building Research Institute, Roorkee	10
14	Shri H. V. Bhavnani, Lecturer in Civil Engineering	Study of Research Project at Public Health Engineering Research Institute, Nagpur	10

Sr. No.	Name of the Teacher/Scholar	Place and purpose of the award	No. of days
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Faculty of Fine Arts

15	Shri S. M. Nair, Lecturer, Department of Museology	A critical study of the methods adopted in the documentation and preservation of Natural History materials at Government Museum, Madras and Government forest Museum, Coimbatore	16
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Faculty of Home Science

16	Kum. Anjani C. Patel, Lecturer in Child Development Department	For Research work at the Tata Institute of Social Sciences, Bombay	6
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(2) 33 teachers of the University gave extension lectures, demonstrations, etc. on the subject of their specializations in public, in secondary schools, other places outside their Faculty Premises but within the University Jurisdiction. The total number of lectures and demonstrations delivered by the teachers was 58. An expenditure of Rs. 1,830 was incurred on honorarium, transport charges, rent of the halls etc. and it was met out of the U.G.C. unassigned grant.

(3) The University continued to implement the U.G.C. Scheme of Exchange of Professors, Teachers, Scientists, Experts between Universities and/or National Laboratories, Institutes, etc. during the year 1966-67. In all 18 Professors/Experts came to various Departments of the University and delivered 89 lectures to the Under-graduate/Post-graduate students of the University. They also gave guidance to research students also. An expenditure of Rs. 6,835-70 incurred on this account was met from the U.G.C. unassigned grant. The following were invited:

Faculty	Department	Name of the Expert
Arts	Economics	Dr. V. G. Pendharkar
Science	Physics	Prof. G. A. Dubov
		Prof. A. S. Divetia
		Prof. R. P. Singh
	Statistics	Prof. M. C. Chakrabarty
	Microbiology	Prof. M. R. S. Iyengar
		Dr. K. Gopal Krishnan
		Dr. W. V. B. Sunder Rao
		Shri V. J. Amin
		Dr. B. P. Burma
		Dr. T. V. Subbaiah
	Bio-chemistry	Prof. M. K. Subramanyam

<i>Faculty</i>	<i>Department</i>	<i>Name of the Expert</i>
Technology and Engineering	Electrical Engineering	Dr. M. Chaudhari
	Applied Mechanics	Dr. K. T. S. Sunderaraja Iyengar
Home Science	Child Development	Dr. B. B. Chatterjee
Law	Law	Shri Girish Patel
Medicine	Pharmacology	Prof. R. B. Arora

The details about their lectures are given in para 1 of this Chapter.

CHAPTER VIII—FACULTY OF ARTS

1. Courses of Study

There was provision for the following courses during the year :

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|---------------------------------|--|
| (1) B.A., M.A. and Ph.D. | English, Gujarati, Marathi, Hindi, Sanskrit, Sociology, History, Philosophy, Economics, Linguistics, Political Science, Psychology, Archaeology and Ancient Indian Culture |
| (2) B.A. and M.A. | Persian |
| (3) B.A. (Sub.) and M.A. (Sub.) | Pali, Prakrit and Urdu |
| (4) B.A. (Sub.) | Education, Mathematics and Statistics |
| (5) B.Lib. Sc. | Library Science |
| (6) Diploma | German |
| (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 1966-67 was as under:

<i>Class</i>	<i>Men</i>	<i>Women</i>	<i>Total</i>
(1) Certificate course in German	215	18	233
(2) Certificate course in French	72	3	75
(3) Certificate course in Russian	48	5	53
	335	26	361
(4) Diploma course in German	27	2	29
(5) F.Y.B.A.	281	322	603
(6) S.Y.B.A.	227	242	469
(7) T.Y.B.A.	185	158	343
	693	722	1,415
(8) Library Science Degree	4	7	11
(9) Jr. M.A.	80	45	125
(10) Sr. M.A.	58	32	90
	138	77	215
(11) Ph.D.	14	5	19
	1,211	839	2,050

3. Staff

During the year the staff of the Faculty consisted of 7 Professors, 17 Readers, 48 Lecturers, 16 Assistant Lecturers, 4 Part-time Teachers, 1 Excavation Assistant, 1 Curator, 19 Class III employees (including technicians) and 21 Class IV employees. The teachers of the Faculty also carried out assignments in other Faculties and Institutions where Humanities and Social Sciences are included in their courses.

4. Library

Some Departments maintained 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 currently being used as an annexe of the University Library.

5. Museum, Laboratory, Studios, Workshop, etc.

The following is the statement of the cost of equipments :

Sr. No.	Item	Cost of equipment as on 1-4-1966 Rs.	Cost of equipment written off during the year Rs.	Cost of equipment added during the year Rs.	Cost of equipment as on 31-3-1967 Rs.
(1)	Museum	4,533-98	—	—	4,533-98
(2)	Studio	15,320-40	—	—	15,320-40
(3)	Drawing equipment	1,806-75	—	—	1,806-75
(4)	Dead Stock	53,273-57	—	2,495-60	55,769-17
(5)	Excavation equipment	1,622-05	—	—	1,622-05
(6)	U.G.C. (N.R.) equipments	77,834-57	—	—	77,834-57
		1,54,391-32	—	2,495-60	1,56,886-92

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 1966-67:

(1) Books:

Sr. No.	Name	Title	Name of the Publishers
1.	Professor R. N. Mehta	Excavation at Shamalaji	M. S. University Series No. 9, Baroda.

Sr. No.	Name	Title	Name of the Publishers
2.	Dr. V. B. Trivedi	अपभ्रंश प्रवेश	Parul Prakashan, Lucknow, January, 1967.
3.	Shri D. D. Mahulkar	Problems in English Language Programming	Good Companions, Baroda, 1966.
4.	Dr. S. H. Joshi	भौयतलीआनो आदमी	Ravindra Book House, Baroda-1.
5.	Dr. R. D. Parikh	Non-Urban Graduate in Gujarat—A Survey of Graduate belonging to the Non-Urban Areas of the Gujarat State Universities	Gujarat University.

(2) Articles or Papers :

Sr. No.	Name	Title	Name of the Journal wherein published
1.	Professor R. N. Mehta	(i) A rare coin of lead from Shamalaji	Journal of the Numismatic Society of India, Volume XXVIII, 1966, Part I.
		(ii) Mahisagar Sangam Tirtha	'Puranam', Banaras, Vol. IX, No. 1, January, 1967.
		(iii) Buddhanath Image from Nagara	Journal of Vishveswaranand Research Institute, Hoshiarpur, Vol. V, March, 1967.
		(iv) Lothal—a Place name	Journal of the M. S. University of Baroda, Vol. XV, No. 3-4, 1966.
		(v) Migration of the Mall as in the Mediaeval period	Professor Bhuyan Memorial, Vol. Gauhati.
		(vi) Nagara	Swadhyaya, Baroda.
		(vii) Gadadhara Temple at Shamalaji	Vol. XV, No. 1, April, 1966.
		(viii) Bilodra	Vidyapeeth.
		(ix) Devni Moriki Mru-dkala	Chandrabhan Gupta, Abhinandan Granth, Lucknow,

Sr. No.	Name	Title	Name of the Journal wherein published
2.	Dr. K. T. M. Hegde	Electron Microscopic Study on the Northern Black polished ware slip	"Current Science," Vol. 35, No. 24. December 20th, 1966.
3.	Professor I. S. Gulati	Why Land Revenue must not be Abolished	Economic and Political Weekly, Bombay, December 3, 1966.
4.	Dr. J. C. Sandesara	(i) A Critique of the Monopolies Commission's Report (ii) Scale and Technology in Indian Industry	Indian Economic Journal (April-June, 1966), Bombay. Bulletin of the Oxford University, Institute of Economics and Statistics (August-October, 1966), Oxford
5.	Dr. V. N. Kothari	(i) Factor Cost of Education in India (ii) Economic Issues in Education Policy	Indian Economic Journal (April-June, 1966), Bombay. Education and Psychology Review (January, 1967), Baroda.
6.	Dr. V. K. Chavda	Source material for the Cultural History of Gujarat	Swadhyaya, February, 1967.
7.	Professor V. Y. Kantak	Aristotle and Bharata—Western and Eastern Dramatic Modes	Literary Criticism: European and Indian Traditions, 1966.
8.	Shri R. N. Mehta	(i) Introduction to Huckleberry Finn (ii) Introduction to Tom Swayer	Sponsored by the U.S.I.S., published by Eurasia Publ. Co., March, 1967. "
9.	Shri E. L. Rodrigues	Dickens of Great Expectations	Literary Criticism, Summer, 1966.
10.	Dr. V. B. Trivedi	(i) A Critical Appreciation of Prithviraj Raso by Dr. B. P. Sharma	Varshiki, New Delhi, November, 1966.

Sr. No.	Name	Title	Name of the Journal wherein published
		(ii) An Appreciation of Vijayashree (Novel) of Shri Bhagwati Prasad Vajpai	Shri Bhagwati Prasad Vajpai Abhinandan Granth, January, 1967.
11.	Dr. M. G. Gupta	Sahithika Neelkantha Tulsi	'Kusumakar,' Jaunpur, October, 1966.
12.	Dr. M. G. Chaturvedi	(i) Indian Literary Unity, Tradition and Hindi (ii) Problems of Language Teaching in India	'Bhasa,' Delhi, December, 1966. 'Naya Shikshak,' Bikaner, March, 1967.
13.	Dr. D. S. Shukla	Bharat Prajyandu Pandit Nathu Ram Shankar Sharma	'Kusumakar,' Jaunpur, October, 1966.
14.	Dr. A. N. Jani	(i) Some fresh light on the personal History of Sriharsa (ii) The Sivasutras and Music	Journal of the M.S. University of Baroda, Vol. 14, No. 1, April 1965. Journal of the Oriental Institute, Baroda (Professor G. H. Bhatt, Memorial Number), Vol. 15, Nos. 3, 4, June, 1966.
		(ii) भारतीय शिक्षणयोजनायां संस्कृतस्य स्थानम्	Sharada (Poona), August, 1966.
15.	Dr. S. G. Kantawala	(i) Yama-Yami dialogue (ii) Prayagamahatmya—a study	Professor G. H. Bhatt Memorial Number—Journal of the Oriental Institute, Baroda, Vol. 15, No. 3-4. "Purana"—Vol. 9, No. 1, January, 1967.
16.	Shri D. D. Mahulkar	The nature of language	"Marathi Sahitya Patrika", Bombay
17.	Dr. R. M. Patel	Charitra Sahitya Swarup and Vikas	Swadhyaya, Vol. 4, Issue No. 1.

Sr. No.	Name	Title	Name of the Journal wherein published
18.	Dr. S. H. Joshi	(i) Kavya Vivechan for 1945-1965 (ii) Rupa and Rasa	Kshitij, April, 1966 Swadhyaya Vol. III, Issue No. 3.
19.	Dr. H. M. Trivedi	Gujaratina Sastyartha 'R' and 'N' Tatha Hindino Sastyartha 'K'	Swadhyaya, Vol. 4, Issue No. 2
20.	Shri M. M. Desai	Smruti	Swadhyaya, February, 1967.
21.	Mr. J. Jansen	Gorg Buchner (In English)	Osmaniya German Annual (Hyderabad), 1966.
22.	Kumari S. H. Divetia	(i) Concept of the mind in Modern Philosophy (ii) Nirdharanvad	Gujarat Research Society Journal "
23.	Shri A. P. Rana	The nature of India's Foreign Policy	India Quarterly, Vol. XXII, No. 2, April, 1966.
24.	Dr. R. D. Parikh	A novel feature of the Gujarati Press	Souvenir of Amateur Critics, Calcutta.

7. Literary, Cultural and other Activities

Many members of the staff contributed articles on academic and popular themes and did reviews of important books in outstanding journals. They also delivered public lectures, gave Radio talks, and were associated with academic, literary and cultural activities in the Faculty, in the city, and outside Baroda. Many members of the staff were deputed to attend annual conferences at which they read papers. In the field of elocution the students of this Faculty participated in the debates. Considerable progress was made in the field of games too; Table-Tennis, Caram and Badminton tournaments were arranged this year.

The English Literary Society carried on its usual activities of arranging lectures, discussions and poetry reading during the year. Professor Kantak read a paper on 'Is American Poetry excessively Craft conscious?' at the symposium on American Literature organised by the American Studies Research Centre at Hyderabad on 25th and 26th December, 1966. The History Society and the Speakers Club held a Symposium on the "Gandhian Way" on 2nd October (Gandhi Jayanti), 1966. Professor A. G. Javadekar, Head, Department of Philosophy, presided over the 11th session of the Akhil Bharatiya Darshan

Parishad in April, 1966 at Udaipur. Professor S. C. Misra, Head, Department of History, has been elected as the President of the Medieval Indian History Section for the forthcoming Patiala (1967) Session of the Indian History Congress.

8. Co-curricular Activities

(1) Tours :

The Department of Archaeology and Ancient History organised a tour of North India for the students.

(2) Debates :

Professor A. G. Javadekar acted as the convener of the Speakers 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.

(3) Societies :

The following societies functioned 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 Association, (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 Society carried out its own programme of Symposia and Seminars where papers were read by the students and discussions were held, both students and teachers participating in them.

The Department of Archaeology and Ancient History established Archaeology Association for Post-graduate and Under-graduate students. The German Language Society arranged the talks, film shows, socials, excursions and exhibitions.

(4) Celebrations :

Important National days were observed and anniversaries of men of letters in Hindi literature were also celebrated by arranging lectures befitting the occasion. In December, 1966 the Kalidas Jayanti was celebrated under the auspices of the Sanskrit Literary Society.

(5) Planning Forum :

The University Planning Forum carried out various activities such as debates, essay competitions, extension lectures by teachers, study tours, etc.

(3) Essay Competition :

The Gujarat State Inter-University essay competition was organised by the Department of Hindi under the auspices of the Hindi Bhasha Sahitya Parishad

shad in January, 1967 in which 3 prizes of Rs. 51, 31 and Rs. 21 were awarded to the winners of the competition

9. Other Important Events

(1) Visits :

The following distinguished visitors visited the Faculty and gave lectures on the subject of their specialisation :

- (1) Dr. Ashok Mitra, Chairman, Agricultural Prices Commission.
- (2) Professor J. C. Heesterman, Professor of South Asian Languages and Civilisation.
- (3) Dr. S. P. Srivastava, Director of Archaeology, Government of Rajasthan.
- (4) Professor M.A. Brimer, Director, Centre for Educational Research, University of Bristol, U.K.
- (5) Dr. Howard L. Erdman, Dartmota College, Department of Political Science, U.S.A.
- (6) Professor J. C. Hammerstein, Ledden, Netherlands
- (7) Dr. (Mrs.) G. Scausik, Economic Geographer of the Academy of Sciences, U.S.S.R.
- (8) Dr. Fukazawa, Department of History, University of Tokyo.
- (9) Dr. Karl Fischer, Humboldt University, East Berlin.

CHAPTER IX—FACULTY OF SCIENCE

1. Courses of Studies

There is provision for teaching the following courses:

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

2. Number of Students

The number of men and women students on roll in the various classes in the year 1966-67 were as under :

Class	Men Students	Women Students	Total
Pre-Medical	98	24	122
F.Y.B.Sc.	228+1	75	303+1 N.C.
S.Y.B.Sc.	145	61	206
T.Y.B.Sc.	140+1	47	187+1 N.C.
M.Sc. Previous	142	30	172
M.Sc. (Final)	105	27	132
M.Sc. Applied Geology	1	—	1
Ph.D.	42	8	50
Total	903	272	1,175

N.C. = Non-Collegiate

3. Staff

The Staff of the Faculty consisted of 10 Professors, 22 Readers, 59 Lecturers, 68 Assistant Lecturers, 90 Class III and 70 Class IV Servants. 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 have small departmental libraries with books obtained on loan 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. 19,707/- from the University Grants Commission's grant to the University for books on Science 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, good progress was made in the work of preparing a good herbarium in the Botany Department. The Central Workshop did very 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 equipments in the different laboratories added during the year 1966-67 and the total cost as on 31st March, 1967.

Laboratory	Cost of equipment as on 1-4-1965	Cost of equipment written off during the year	Cost of equipment added during the year	Cost of equipment as on 31-3-1967
	Rs.	Rs.	Rs.	Rs.
Bio-chemistry	4,19,971=00	1,058=00	9,850=33	4,28,763=00
Botany	4,00,483=00	—	13,873=82	4,14,357=00
Chemistry	5,51,672=00	—	14,176=06	5,65,848=00
Geography	2,03,266=00	—	6,877=03	2,10,143=00
Geology	4,27,970=00	—	43,211=88	4,71,182=00
Microbiology	62,000=00	—	48,000=00	1,10,000=00
Physics including Workshop	6,47,336=00	—	48,476=51	6,95,812=00
Statistics	1,00,211=00	—	—	1,00,211=00
Zoology	3,36,683=00	—	28,026=11	3,64,709=00
	31,49,592=00	1,058=00	2,12,491=54	33,61,025=00

6. Publications of the Members of the Staff and Students during the year:—

(1) Articles

Sr. No.	Author	Title	Name of the Journal wherein published
1	Rajalakshmi, R. and Ramakrishnan, C. V.	(i) A nutritionist's focus on Raipura, a village in Western India	Proc. VIIth International Congress of Nutrition, Hamburg. Vol. III, 275, 1966

Sr. No.	Author	Title	Name of the Journal wherein published
		(ii) Education of the community in the nutritional care of infants and pre-school children with vegetable foods	Proc. VIIth International Congress of Nutrition, Hamburg. Vol. III, 95, 1966
2	Rajalakshmi, R., Chandrasekharan, K. N. and Ramakrishnan, C. V.	Comparative data on the heights and weights of subjects in low and high income groups in Gujarat	Proc. VIIth International Congress of Nutrition, Hamburg (In Press)
3	Rajalakshmi, R. and Patel, A. J.	Effect of section of the corpus callosum in rats on performance on the Hebb-Williams Maze	Neuropsychologia, 5, 53, 1967
4	Elizabeth, J., Patel A. J. and Ramakrishnan, C. V.	Effect of Neurotoxin from the seeds of Lathurus sativus on glutamate metabolism in chick brain	J. Neurochem (in Press)
5	Maini, S. B., Srivastava S. K. and Ramakrishnan, C. V.	Nicotinamide adenine dinucleotide glycohydrolase in normal and tumor tissues of plant cultivated in vitro	Indian J. Biochem. 3, 169, 1966
6	Amin, P. M. and Ganapati, S. V.	On the occurrence of Fingered, Branching Zoogloae in Sewage samples at different stages of sewage purification	Applied Microbiology, 15, 17, 1967
7	Chokshi, H. R., and Ramakrishnan, C. V.	(i) Studies on chick embryonic tibiae cultivated in a chemically defined medium	Ind. J. Exp. Biol. (in Press)
		(ii) Studies on some of the enzyme of carbohydrate metabolism and the chemical composition of hen tibia	Can. J. Biochem. 45, 387, 1967
8	Patil, K. C., and Ramakrishnan, C. V.	(i) Studies on nutritional requirements, chemical composition and enzyme make up A. niger cultivated	Ind. Jour. Biochem. 3, 76, 1966

Sr. No.	Author	Title	Name of the Journal wherein published
		in medium containing D-tartaric acid as the sole carbon source	
		(ii) Comparison of chemical changes and enzyme make up of the wild strain, citrate adapted and tartaric adapted strains of <i>A. niger</i>	Ind. Jour. Biochem. 3, 86, 1966
9	A. R. Chavan, and S. D. Sabnis	Cyperaceae of Dangs Forest, Gujarat State	Ind. Forester, 93 (3), 1967
10	A. R. Chavan	A brief evaluation of the work on the Flora of Gujarat	Proc. Autumn School in Botany, Mahabaleshwar (in Press)
11	S. M. Bagde, and A. R. Mehta	Growth of <i>Phaseolus Lunulatus</i> L. Root tissue in Sterile culture	J. M.S.U. 14 (3) 73, 1966
12	A. R. Mehta	(i) Chemical regulation of vascular differentiation in Plant Tissue cultures	Proc. Autumn School in Botany, Mahabaleshwar, 1966
		(ii) Studies on the Growth in culture of Plant Cells. I. Growth Patterns in Batch Propagated suspension cultures	Jour. Exptl. Bot. (England), 17 (51) 362, 1966
		(iii) Auxin effects on Tracheal differentiation in Root Callus tissues <i>in vitro</i>	Experientia (Switzerland), 22, 300, 1966
		(iv) <i>In vitro</i> Initiation and Growth of Root Callus of <i>Phaseolus vulgaris</i> L.	Ind. J. Exptl. Biol. 4 (3), 187, 1966
13	Miss D. Leela, and C. H. Pathak	(i) Effect of initial pH level on the growth and enzyme activity of the excised roots of <i>Trigonella foenum graecum</i> L.	Ind. J. of Plant Physiol., 1966

Sr. No.	Author	Title	Name of the Journal wherein published
		(ii) Activity of succinic dehydrogenase and the localization of acid phosphate under the influence of the fixative and temperature of the excised roots of <i>Trigonella foenum graecum</i> L.	Ind. J. of Plant Physiol., 1967
		(iii) Changes in growth and enzyme activity taking place during the ten days period of cultivation of the excised roots of <i>Trigonella foenum graecum</i> L.	Ind. J. of Plant Physiol., 1967
14	C. H. Pathak, G. Prathapasanen and Miss D. Kamalavalli	Effects of Treatment with Gibberellic acid on the percent and growth and development of Cotton (<i>Gossypium herbaceum</i> Linn.) and germination percent of Soreghum	Proc. of symposium on plant growth substances, Calcutta.
15	Y. S. Deshmukh	Development of female gametophyte in some of the verbanaceae	J. M. S. Univ. Vol. 14, No. 3, 1966.
16	G. N. Naik, and T. H. Grawford	Studies in bromoflavones—Part II—Structures of tribromo-7-hydroxy-and tribromo-5-hydroxy-flavones	Indian Jour. of Chemistry, 1966, 4, 273
17	D. J. Patel, and S. L. Bafna	Separation of coumarins	Nature, 1966, 211, 963.
18	A. P. Kuriakose, and Suresh Sethna	Studies in Furan derivatives Part I—Synthesis of naphtho and 1, 6-dimethyl-naphtho (2, 1-b, 5, 6-b) difurans	Jour. Ind. Chem. Soc., 1966, 43, 437.
19	B. Kanaklakshmi, K. P. Mathai and Suresh Sethna	Chloromethylation of some bi-phenyl derivatives	Jour. Ind. Chem. Soc., 1966, 43, 469.
20	K. P. Mathai	Synthesis of 3, 3-dimethyl-5, 5-bibenzofuran	Jour. Ind. Chem. Soc., 1966, 43, 421

Sr. No.	Author	Title	Name of the Journal wherein published
21	V. N. Dholakia and K. N. Trivedi	Synthesis of 4-H-Furo (3,2-C)-benzopyran-4-one, a Furocoumarin derived from 4-hydroxycoumarin	Chemistry and Industry 1966, 160.
22	J. S. Dave, and P. R. Patel	(i) Influence of molecular structure on Liquid crystalline properties and phase transitions in these structure-Part I	Molecular crystals, 1966, 1, 257
		(ii) Influence of molecular structure on liquid crystalline properties and phase transitions in these structures—Part II	Molecular crystals, 1966, 1, 269
23	J. S. Dave and K. L. Vasanth	Influence of molecular structure on liquid crystalline properties and phase transitions in mixed liquid crystals—Part I	Molecular crystals 1966, 1, 279
24	D. J. Patel, R. A. Bhatt and S. L. Bafna	Ion-Exchange equilibrium studies with some weak acid-strong base salts	Jour. Indian Chem. Soc., 1966, 43, 648
25	R. A. Balani and Suresh Sethna	Studies in 4-hydroxy benzophenone and its methyl ether	Jour. Ind. Chem. Soc., 1967, 44, 52.
26	V. S. Salvi and Suresh Sethna	Studies in Furan derivatives Part II. Synthesis of some Bromobenzofuran derivatives	Jour. Ind. Chem. Soc., 1967, 44, 135
27	K. P. Mathai, B. Kanaklakshmi and Suresh Sethna	Studies in Chromones and Flavones—Part VII-Synthesis of some 3', 3'' and 6, 6'' biflavonyls	Jour. Ind. Chem. Soc., 1967, 44, 148
28	T. C. Thomas and Suresh Sethna	Studies in Furan derivatives—Part-III. Synthesis of some Furoacenaphthene derivatives	Jour. Ind. Chem. Soc., 1967, 44, 334.
29	Smt. V. A. Janaki	(i) The Gulf of Aqaba	Faculty of Science Magazine, 1966-67, January 1967, No. 14

Sr. No.	Author	Title	Name of the Journal wherein published
		(ii) What is wrong with our Education?	Faculty of Science Magazine, 1966-67, January 1967, No. 14
30	U. N. Singh	Generalized Functions, Generalized Fourier Transforms and their application	Presidential Address, Section of Mathematics. Proc. of Indian Science Congress Association Conference, January 1967
31	O. P. Goyal	On Beurling's test of Absolute Convergence of Fourier series	Abstract of papers, 54th Indian Science Congress Association Conference Session, January 1967
32	I. H. Sheth	On Hyponormal Operators	(i) Proc. Amer. Math. Soc. Vol. 17, No. 5 (1966), p. 998-1000 (ii) Abstract: Indian Science Congress Association Conf., January 1967 (iii) Abstract: Indian Maths. Soc. Conference, December 1966.
33	A. K. Mattoo, V. V. Modi and R. N. Patel	Biotin and Fatty Acid biogenesis in <i>Aspergillus flavus</i>	Experientia 22, 436 (1966).
34	Miss B. R. Dhruv and V. V. Modi	Alanine synthesis by <i>Ustilago maydis</i> .	Naturwissenschaften 53, 414 (1966)

Sr. No.	Author	Title	Name of the Journal wherein published
35	B. M. Desai, V. V. Modi and V. K. Shah	Induction of sorbitol dehydrogenase by sorbitol in <i>Aspergillus niger</i>	Archiv fur Microbiologie 56, 300 (1967).
36	M. M. Patel and S. P. Patel	(i) The Emission spectrum of Cadmium Chloride (visible system) (ii) The emission spectrum of the CdBr molecule (The visible system)	Ind. Jour. of Pure and Appl. Phys. 4-10, 1966. Ind. Jour. of Phy. 41, 115, 1967
37	R. V. Joshi and A. K. Menon	Luminescent Decay of variously Pre-treated Kcl.: TI Phosphors.	Ind. Jour. of Phy. 41, 115, 1966
38	B. B. Thakar	Dislocation pile-ups in antimony single crystals	Current Sc. 35, 592, 1966
39	C. G. Katri	Non-null distribution of the likelihood Ratio Statistic for a particular kind of Multicollinearity	J.I.S.A. Vol. 3, 212-219
40	B. K. Shah (with S. S. Gupta and A. S. Qureishi)	Best Linear unbiased estimates of the parameters of the logistic distribution using order statistics	Technometrics, Vol. 9
41	Shah B. K.	(i) On the bivariate moments of order statistics from a logistic distribution (ii) Distribution of midrange and semi-range from logistic population	A.M.S., Vol. 37, pp. 1002-1010 J.I.S.A, Vol. 3, pp. 185-188
42	M. S. Patel and M. L. Gupta	Partially balanced arrays	J.M.S.U.B., Vol. 14(3)
43	R. M. Naik and Shashi Naik	(i) Studies on the House Swift, Apus Affinis (G. E. Gray). 4. Gonadal cycle (ii) Studies on the House Swift, Apus Affinis (G.E. Gray). 5. Moulting cycle in the adults	'PAVO,' Vol. 3, No. 2, pp. 77-88, 1965 'PAVO,' Vol. 3, No. 2, pp. 96-120, 1965

Sr. No.	Author	Title	Name of the Journal wherein published
44	R. M. Naik	The pterylography of the House Swift, Apus Affinis as revealed by a new staining technique	'PAVO,' Vol. 3, No. 2, pp. 89-95, 1965
45	D. V. Naik and J. C. George	Certain cyclic changes in the histology and histochemistry of the adrenal in the migratory starling, <i>Sturnus roseus</i> (Linnaeus)	'PAVO,' Vol. 3, No. 2, pp. 121-131, 1965
46	J. C. George	The evolution of the bird and bat pectoral muscles	'PAVO,' Vol. 3, No. 2, pp. 131-142, 1965
47	K. M. Cherin, F. D. Bokdawala, N. V. Vallyathan and J. C. George	Effect of denervation on the red and white fibres of the pectoralis muscle of the pigeon	J. Neurology. Neuro-surgery and Psychiatry, Vol. 29, pp. 299-309, 1966
48	K. S. S. Nair and G. K. Karnawar	Distribution of fat body around the air sacs and muscle fibres in the image of <i>oryctes rhinoceros</i>	Nature, Vol. 212, No. 5054, pp. 1207-1208, 1966
49	R. V. Shah and T. V. Chakko	(i) Histochemical localization of acid phosphatase in the adult normal and regenerating tail of hemidactylus flaviviridis (ii) Mitochondrial localization of alkaline phosphatase in the adult and regenerating lizard muscle (Hemidactylus Flaviviridis)	J. Anim. Morphol. Physiol., Vol. 13, No. 1 and 2, pp. 169-188, 1966 J. Anim. Morphol. Physiol. Vol. 13, No. 1 and 2, pp. 206-209, 1966
50	N. J. Chinoy and J. C. George	(i) Cytochemical observations on the effect of carbon tetrachloride on lipids in cultured muscle cells (ii) Incorporation of 1-C 14 labelled acetate into intranuclear lipids of pigeon breast muscle cells	J. Anim. Morphol. Physiol., Vol. 13, No. 1, 2, pp. 63-66, 1966 J. Anim. Morphol. Physiol., Vol. 13, No. 1 and 2, pp. 67-71, 1966

Sr. No.	Author	Title	Name of the Journal wherein published
51	A. K. Susheela and J. C. George	Phosphorylase and lactic dehydrogenase in the rat diaphragm	J. Anim. Morphol. Physiol., Vol. 13, No. 1 and 2, pp. 85-94, 1966
52	K. S. S. Nair, G. K. Karnawar and J. C. George	The microscopic structure of the so-called albuminoid granules in the larval fat body of a beetle, <i>Oryctes Rhinoceros</i>	J. Anim. Morphol. Physiol., Vol. 13, No. 1 and 2, pp. 204-205, 1966
53	K. M. Cherian and J. C. George	Histochemical demonstration of dihydrolipoic dehydrogenase activity in the red and white fibres of the avian pectoralis	J. Anim. Morphol. Physiol., Vol. 13, 1 and 2, pp. 210-213, 1966
54	S. S. Merh and S. J. Desai	A note on the metamorphic foliation of the schistose rocks of the Majkhali area near Ranikhet (Dist. Almora—U.P.)	Seminar on Himalayan Geology 1966; Publication of the A.C.P. and H.G. Chandigarh No. 3
55	S. S. Merh and N. M. Vashi	On the nature of the South Almora thrust near Upradi South of Ranikhet (Dist. Almora)	Seminar on Himalayan Geology 1966; Publication of the A.C.P. and H.G. Chandigarh, No. 3
56	S. S. Merh	Mafic and Ultramafic Rocks of Pre-Cambrian Terrains of Gujarat	Symposium on Upper Mantel Project N.G.R.I. Hyderabad
57	S. D. Desai and R. V. Sathe	Abrown Amphibole for Diorite-Monozonite Complex of Mount Girnar, Saurashtra	Geol. Soc. of India, Bulletin, Vol. 3, No. 3 and 4
58	M. P. Patel and S. S. Merh	Tectonic Setting of Ultramafic Rocks of Sabarkantha and Dungarpur area	Symposium on Upper Mantel Project, N.C.R.I. Hyderabad

Sr. No.	Author	Title	Name of the Journal wherein published
59	B. B. Jambusaria and S. S. Merh	On the nature of the deformed graywake cenglomerater of Jaban near Shivrajpura Dist. Panchmahala. (Guj. State)	Indian Mineralogist, Vol. 8, 1967

7. Literary, Cultural and Other Activities

(1) Professor C. V. Ramakrishnan went on a lecture tour on behalf of University Grants Commission and Government of India and visited (a) Bulgaria, 28th October to 18th November, 1966, (b) Israel, 24th to 27th October, 1966, (c) Germany, 19th to 25th November, 1966, (d) U.K., 25th November to 6th December, 1966, (e) Rome, 14-12-66, (f) France, 7th to 13th December, 1966 and (g) Cairo: 15th to 17th December, 1966.

(2) Professor U.N. Singh presided over the Mathematics section of the 54th Session of the Indian Science Congress at Hyderabad in January, 1967. He was elected President of the Gujarat Mathematical Society for the year 1966.

(3) Professor A. R. Chavan and Dr. A. R. Mehta presented papers at the Autumn School in Botany held at Mahabaleshwar in November 1966, under the joint auspices of the University Grants Commission and Poona University.

(4) Dr. C. H. Pathak attended the Symposium in Plant Physiology held in Calcutta in January 1967 and presented a paper. He also attended the International Symposium on Tropical Ecology.

8. Co-curricular Activities

(a) Societies:

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

(b) Study Tours:

Senior students of the Botany, Geography and Geology Departments went with their teachers on several study tours to make field studies and collect materials for their museums.

9. Important Events

(1) A Summer Institute in Mathematics for University and College teachers was organised jointly by the University Grants Commission and U.S.A.I.D. during the months of June-July 1966 by the Mathematics Department.

(2) In the Chemistry Department, John Dalton Bicentenary Symposium was arranged on 17th September 1966. The Professors of Chemistry of Gujarat, Vallabhbhai Vidyapeeth, Poona and Bombay Universities participated in it.

(3) The Regional Conference of Microbiologists of India was held in the Microbiology Department between 24th and 26th February, 1967. Sarvashri G. Y. Vohra, N. R. Gandhi, S. V. Gadre and R. N. Patel presented communications.

(4) The meeting of the Indian Physical Society (Gujarat Branch) was held on 25th September, 1966 in the Physics Department in which nearly 90 teachers and research workers from Gujarat State participated.

(5) The Statistical Service Unit continued to do its work under the projects of Statistical summaries of Medical Inspection Reports and Measurements, Wastage and Stagnation in University. It nearly completed the Research Project on "Measurement of Fertility Rate and Infant Mortality Rate in Baroda and Neighbouring Areas" sponsored by the Ministry of Health of Government of India.

CHAPTER X—FACULTY OF EDUCATION AND PSYCHOLOGY

1. Courses of Studies

There is provision for the following courses:

- | | | |
|---------------------------|---|---|
| (1) B.A., M.A., Ph.D. | : | Psychology |
| (2) B.Ed., M.Ed., Ph.D. | : | Education and Educational Administration |
| (3) Post-graduate Diploma | : | (i) Educational Administration
(ii) Guidance and Counselling |
| (4) Undergraduate Diploma | : | (i) Education—Dip. Ed.
(ii) Early Childhood Education—Dip. E.C.Ed. |

2. Number of Students

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

		Students		
		Men	Women	Total
(a) Undergraduate Diploma :				
(1) T.D.		18	10	28
(2) Diploma in Early Childhood Education		—	19	19
	Total	18	29	47
(b) Degree:				
(1) B.Ed.		70	95	165
(2) S.Y.B.A.		7	35	42
(3) T.Y.B.A.		7	39	46
	Total	84	169	253
(c) Post-graduate Diploma :				
(1) Junior Diploma in Guidance and Counselling		2	—	2
(2) Senior Diploma in Guidance and Counselling		2	—	2
	Total	4	—	4
(d) Post-graduate Degree :				
(1) Jr. M.Ed.		19	7	26
(2) Sr. M.Ed.		16	10	26
(3) Jr. M.A.		6	1	7
(4) Sr. M.A.		2	8	10
	Total	43	26	69

	Students		
	Men	Women	Total
(e) Ph.D.	10	4	14
Grand Total	159	228	387

3 Staff

During the year, the staff of the Faculty consisted of 3 Professors, 6 Readers, 15 Lecturers, 4 Assistant Lecturers 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 is amalgamated with Shrimati Hansa Mehta Library and all the students make use of that library.

There is a separate Post-graduate library attached to the Centre for Advanced Study in Education (CASE) for the use of the post-graduate students and the staff. The library has a collection of 4,746 books; it also subscribes to 51 journals of higher educational standards.

5 Museum, Laboratory etc.

(1) The Faculty maintains a Museum for the specific object of helping the B.Ed. and T.D. trainees by providing them with various teaching aids as far as possible to enable them to learn the art of good teaching. The museum contains exhibits collected from various sources. These exhibits cover all the subjects offered by the students for specialization in teaching.

Sr. No.	Item	Cost of equipments as on 1-4-1966 Rs.	Cost of equipments written off during the year Rs.	Cost of equipments added during the year Rs.	Cost of equipments on 31-3-1967 Rs.
1.	Museum	12,032-79	—	513-50	12,546-29
2.	Teaching aids	1,465-95	—	178-00	1,643-95

(2) The Psychological Laboratory is equipped with a collection of instruments required for the psychological experiments. The laboratory has a special section on mental testing equipped with modern materials.

Sr. No.	Item	Cost of equipments as on 1-4-1966 Rs.	Cost of equipments written off during the year Rs.	Cost of equipments added during the year Rs.	Cost of equipments on 31-3-1967 Rs.
1.	Psychological Apparatus	56,530-33	—	396-50	56,926-83

(3) Training in the use of A.V. Machines, namely the 16 mm. Movie-Projector, 35 mm. Filmstrip-cum-Slide Projector and the Epidioscope, was given to the students of B. Ed. and T.D. classes numbering about 190. The students of the Audio-Visual Education group prepared and displayed a number of bulletin boards as part of their field work. They also prepared hand-made slides and epidioscope folders.

Publications

(A) Books :

Name	Title	Name of the publishers with month of publication
Dr. D. M. Desai	(i) Essentials of measurement and Evaluation (Guj.)	A. R. Sheth & Co., Bombay
	(ii) Some Problems of Education in the Gujarat State	M. S. University Press, Baroda, March 1967
Dr. D. M. Desai and Shri P. J. Patel	Current Problems of Indian Education (Guj.) (Second Edition)	A. R. Sheth & Co., Bombay, June 1966

(B) Articles and Papers :

Professor L. J. Bhatt	(i) A Study of Conformity and Deviation among Adolescents from a Socio-Psychological Standpoint	Journal of Education and Psychology. Vol. XXIV, No. 3, October 1966
	(ii) Counsellor Education	Journal of Vocational & Educational Guidance, January 1967
Professor D. M. Desai	(i) Rural Teachers as Change Agents	A Paper presented at All Gujarat Seminar on 'Social Change' organised by Shri V.T.K. Institute of Rural Development, May 1966
	(ii) Trends and Enrolment Behaviour in Higher Education in the State of Gujarat	Education and Psychology Review, Baroda, October 1966

Name	Title	Name of the publishers with month of publication
	(iii) Inservice Training of Junior College Teachers	Journal of Education and Psychology, Sardar Patel University, January 1967
	(iv) A Broad Study of Standards in Universities of Gujarat	Education and Psychology Review, Baroda, January 1967
	(v) Organisation and Evaluation of Student Teaching	Report of the Seminar on Student Teaching and Evaluation, Dept. of Teacher Education, NCERT, March 1967
Dr. H. J. X. Fernandes	A Study of Human Relations in Class room	Education and Psychology Review, Vol. VI, No. 3
Dr. S. M. Divekar	New Dimensions of Educational Administration	Journal of Education and Psychology, Vallabh Vidyanagar, October 1966
Dr. G. B. Shah	(i) Causes of underachievement in Mathematics—An Inquiry	Education and Psychology Review, M. S. University, Baroda, October 1966
	(ii) Our School Buildings	Journal of Education and Psychology, January 1967, Sardar Patel University, Vallabh Vidyanagar

(C) Journals :

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

7. Centre for Advanced Study in Education (CASE)

The Centre for Advanced Study in Education was established in 1964 with the specific purpose of conducting research studies in the field of education. The first phase of the research programme of the Centre was completed by April, 1966 and new projects have now been undertaken. The details are outlined hereunder :

During the Fourth Five Year Plan period, the Centre has taken up research work of national significance aiming at the basic theme of "Total School Improvement." In view of this aim, the units have taken up the following major projects in addition to other studies.

(1) Research Methodology and Service Unit :

- | | |
|----------------|---|
| Major Projects | (i) A National Survey of Attainment in Language and Mathematics in the Final Years of Secondary Schools |
| | (ii) A National Study of Evaluation in Teacher Education |
| Other Studies | (i) A Study of Gifted Children and Talent Search |
| | (ii) Assessment of quality in Post-graduate Education in Universities of India— |
| | (a) Evaluation of Academic Discipline |
| | (b) University Grants Commission Project : "Analysis and Evaluation of M.A./M.Sc. Question Papers of Indian Universities" |
| | (iii) A Study of Problems of Student Unrest and Indiscipline |

(2) Psychometrics and Evaluation Unit :

- | | |
|----------------|--|
| Major Projects | (i) A Study of Wastage and Stagnation at various levels with reference to the Physical, Sociological and Psychological Determinants. |
| | (ii) Analysis of Factors related to Retardation in Arithmetic, Science and Reading English at the Primary Level for Remedial purposes. |

(3) Curriculum Development Unit :

- | | |
|---------------|---|
| Major Project | A Curriculum Experiment in Social Studies at the Secondary Level (Classes VIII-XI), to provide a model for subsequent work in Mathematics and Science |
|---------------|---|

Other Studies

- (i) Follow-up Programme on the basis of Findings of Previous Research Studies in Scholastic under achievements (made at CASE)
 - (a) Remedial Suggestions for Helping Under-achievers at the Stage
 - (b) Remedial Assignments for Underachievers in Social Studies
 - (c) Preparation of Model Syllabus in Social Studies (I-XI)
- (ii) National Survey of Curriculum of Administration in different States of India
- (iii) A Study of the Problems of Text Book Selection, Production and Distribution in All States of India

(4) *Language Learning Unit :*

Major Project

A Contrastive Study of Gujarati, Hindi and English for Devising Effective Methods and Materials for their Learning and Teaching

Other Studies

- (i) Preparation of the working Vocabulary of the Six Year Old Child (Gujarati)
- (ii) Developing a Remedial Programme in Hindi for Gujarati Students (to be extended for others too)
- (iii) A General Survey of the Present State of the Teaching of Languages in India
- (iv) A Critical Evaluation of Courses in Languages in Sample States in India
- (v) A Critical Survey of the qualifications and Training of Language Teachers
- (vi) A Critical Survey of Language Teaching Materials in India

CASE Publications :

The Centre has brought out the following publications for the use of teachers, researchers, educationists and administrators during the year 1966-67 :

- (i) Advances in Education ; April, 1966, Vol. 1, No. 4
- (ii) Shaping the New Education Programmed Instruction and Teaching Machine: C-1
- (iii) New Dimensions in the Teaching of Mathematics : C-2

- (iv) Curriculum Improvement in Secondary Education : C-3
- (v) Education of the Backward and the Gifted Children : C-4
- (vi) Investigation into the Causes of General Backwardness at the Elementary Stage, Classes I-VII : C-5
- (vii) Investigation into the Academic Causes of Backwardness in Social Studies at the Elementary Stage, Classes I-VII : C-6
- (viii) Investigation into the Academic Causes of Backwardness in Mathematics at the Elementary Stage, Classes I-VII : C-7
- (ix) Some Thoughts about Educational Research : E-1
- (x) Essentials of Writing Research Report : E-2

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

The Department serves the educational needs of four districts in Gujarat viz. Baroda, Panchmahals, Bulsar and Surat and helps in programme of the in-service education of teachers in nearly 350 schools. It conducted a Summer School at Chandod, seminars and workshops at Baroda, Anaval, Gandevi and Dohad, on various subjects concerning the improvement of instruction, administration, amenities, facilities, etc. in Secondary Schools. The Department also brought out reports on (i) Gyan Satra at Timba Road, (ii) Teaching of Hindi and (iii) Action Research in Gujarati.

(2) *The Secondary School Counselling Centre :*

The Centre helped Shri Pratap High School, Sharda Mandir High School and St. Joseph's High School in the matter of instituting guidance and counselling services and in administering psychological tests to the students of the schools. The Centre staff also assisted in organising a Seminar-cum-Workshop for Head Masters, Career Masters and Guidance Workers.

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

This year 2,210 students came to the centre for assistance on their educational, vocational, personal or emotional problems. The usual orientation programme for Preparatory Class students numbering about 2,000 was carried out in the beginning of the academic year. The Centre made arrangements with the Educational Testing Service, Princeton, to administer TOEFL (Test of English as a Foreign Language) at the Counselling Centre for the benefit of students desiring to go to the U.S.A. About 100 students underwent the test. The Centre has also made arrangements for administering the Michigan Language Test. 500 students of the University were administered the Edwards Personal Preference Schedule. The results of the test would provide a normative data for the University students.

The Differential Aptitude Test was also administered to 500 students of the Preparatory Classes and the results would be very useful in the programme of Vocational Counselling. The Centre works on Personality Tests, Aptitude Tests and Interest Inventory which are the basic tests for counselling.

The Centre also provided remedial services to preparatory students, counselling services to the students residing in Halls of Residence and service through correspondence to individuals who wanted specific information about courses in Indian and foreign Universities.

Two major research projects were undertaken by the Centre. The report on 'Staff Perception of Students' Structure of Characterisation' has been completed. The other study concerning failures at the Preparatory Units is also completed and the report is being prepared.

The Centre contributed the following for publications :

A Study of Human Relations in Class Education and Psychology Review, Room 1966

Assessment of S. S. C. Examination marks as Admission Criteria to Preparatory Science Unit of the M. S. University of Baroda Journal of Vocational and Educational Guidance, Vol. II

A Study of world of work as presented through Language Text-Books of Class VIII to XI Journal of Vocational and Educational Guidance, Volume 12.

The Centre assisted USEFI, through the University in holding a Three-Day-Workshop on Student Advisement which was attended by about 40 participants from different Universities of India. A three day Seminar on Student Personal Services was also conducted and about 30 Counsellors from all over India participated.

(4) Rural Education :

Waghodia and Bajuwa were the two Centres for practice in Rural Education and Training of Teachers. The students of the rural education group conducted various activities of the school.

(5) The Baroda Michigan Project :

The Baroda Michigan Project, first launched in 1963, has developed into a very useful programme of exchange of senior teachers between the Faculty and the School of Education, University of Michigan, Ann Arbor, U.S.A. A new dimension to the Project was added with the formulation of a proposal for the establishment of a Centre of Training and Research in Rural Secondary Education. The proposal was approved by the University Grants Commission in August, 1966. The new Centre has three main programmes, integrally related to the goal of developing community schools which can play a unique

role as an agency of social change. The proposed three phased programme of the Centre is (1) training leadership personnel in education at the village level, (2) developing and experimenting in curricula, teaching techniques and evaluation procedures to implement the Community School Concept in rural areas and (3) illustrating the role of rural schools as an agency of social change. As a preliminary step to the establishment of such a Rural Centre, a pilot project to study the attitudes of rural parents, rural teachers, school administrators, and community leadership to the new role of the rural school and to develop criteria for the selection of villages for trying out the various hypotheses was initiated in April, 1966.

The Project provides two scholarships of Rs. 200 each per month to two Post-graduate students to enable them to take up field studies in rural community education.

The Project Staff selected the villages of Bajuwa, Koyali, Karvan, Jharod and Bhayali, which are at different levels of educational, social and economical developments. Questionnaire proformas were employed to get more systematic and comprehensive data.

9. Co-Curricular Activities

The various Clubs of Faculty—the Literary Club, the Drama Club, the Debating Club, the Sports and Excursion Club, the Music Club, the Folk Dance Club and the Science Club—carried out their activities throughout the year. Students took part in University debates and 11th won prizes.

The Faculty Day was celebrated on 11th and 12th February, 1967 under the Chairmanship of the Vice-Chancellor. Three old students of the Faculty—Sarvashri B. P. Upasani, I. B. Naik and V. J. Patel were also felicitated on this occasion on their getting the National and State awards as the best teachers.

10. Other Important Events

(1) Mr. M. A. Brimer, Mr. M. Skilbeck and Mr. H. Gross from the Bristol Institute of Education, Bristol, U. K. came to the Centre for Advanced Study in Education under the collaboration programme between the University Grants Commission and the British Council and guided the Centre in its research activities during their short stays at the University.

(2) Professor Alvin Loving, University of Michigan worked as a Visiting Professor at the Faculty under the Baroda Michigan Exchange Programme.

(3) The following were some of the distinguished visitors to the Faculty :

Dr. H. Jackson,	10-9-1966
Consultant, Bhopal Regional College of Education.	
Dr. R. E. Ocken'dan,	28-11-1966
British Council, London.	
Professor John Pilley,	5-2-1967
University of Edinburgh, U.K.	

CHAPTER X (A)—UNIVERSITY EXPERIMENTAL SCHOOL, BARODA

1. Courses of Study

The school followed the syllabus and courses prescribed by the Department of Education, Government of Gujarat and those of the S.S.C. Examination Board of the Gujarat State.

Planned provision of hobbies—Arts, Science, Wood-work, Photography, Music, Literature and Gardening was a special feature of the school. The School also provides for wood-work and needle-work as crafts for classes V, VI and VII.

2. Number of Students

Classes	Boys	Girls	Total
Primary	79	69	148
Secondary	166	128	294
Total :	245	197	442

3. Staff

	Graduate Trained Teachers	Undergraduate Trained Teachers
(a) Primary Section	3	6
(b) Secondary Section	8	—
(c) Specialized Teachers	3	1
(d) Office	One Senior Clerk, Two Junior Clerks and one Laboratory Assistant	
(e) Class IV Servants	Five for Primary and two for Secondary Sections	

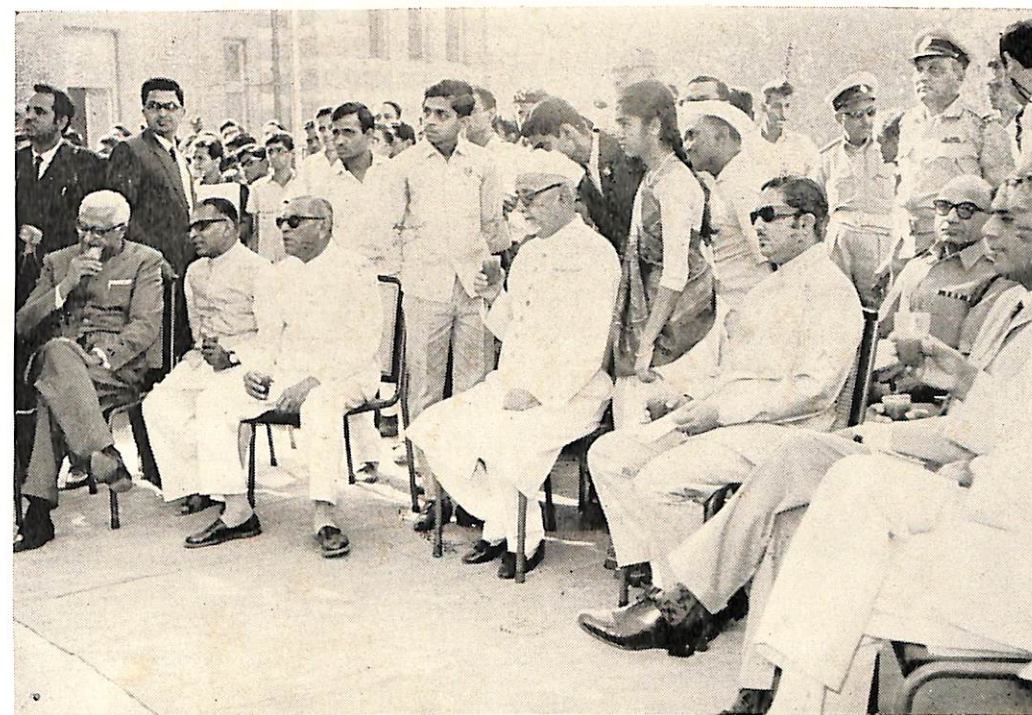
4. Library

400 new books, costing about Rs. 1,200/- approximately have been added to the existing stock this year. The school has continued to subscribe for 35 magazines and periodicals of educational value.

5 School Laboratory

The particulars are as follows :

Sr. No.	Item	Cost of Equipment etc. as on 1-4-1966	Cost of Equipment etc. written off during the year Rs.	Cost of Equipment etc. added during the year Rs.	Cost of Equipment etc. as on 31-3-1967 Rs.
1	Equipment Apparatus etc.	12,630=82	—	216=27	12,847=09



Dr. Zakir Hussein with the students of the University Experimental School

6. Experiments and Activities

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

(2) The Science Club of the School participated in various items in the Science Fair organised by the Department and carried away the Third prize in Elocution.

(3) A follow up study of the students of the University Experimental School joining the M. S. University was undertaken. The results are very encouraging. The mean difference of the school was 7% as compared with local schools which is 15% and other District Schools which is 23%.

(4) Out of 43 students, 42 students passed the S.S.C. Examination. The result is 97%. Chi. Pankaj Shah and Chi. Niranjan Sandesara stood 3rd and 4th respectively at the S.S.C. Examination. 5 students of the School secured National Scholarships for their commendable performance at the S.S.C. Examination.

(5) A good number of students appeared at different 'extra' examinations such as Elementary and Intermediate Grade Drawing, General knowledge, Shishta Vachana, Sanskrit, Hindi, U.N.O., and other examinations, and obtained good results at the examinations.

(6) The students of the School participated in Shanker's International Children Art Competition, U.S.O, Art Composition, Gujarat State Art Exhibition, Lion's Club Debate and Essay Competitions, sports, activities etc. and won a number of prizes.

(7) Chi. Bharat Patel received a prize for his performance at Advanced Leadership Training Course in N.C.C. at Darjeeling, Chi. Chetan Rana was awarded a merit certificate at U.S.O. Art Composition Phillipines. Six children of the School who participated in Shanker's International Art Competition at New Delhi received their prizes at the hands of the Prime Minister, Smt. Indira Gandhi.

(8) Classwise tours were arranged to Vasad-Anand, Kabir Vad, Pavagadh, Utkantheshwar, Nareshwar, Vanakbori, Dakor, Galateshwar, Ubhrata and Idar.

(9) The School celebrated Lokmanya Tilak and Guru Dev Tagore and Mahatma Gandhi Jayantis and other national days.

(10) The following were the distinguished visitors to the School :

- (i) Dr. Zakir Hussein, Vice-President of India
- (ii) Smt. Hansa Mehta, Ex-Vice-Chancellor, M. S. University of Baroda
- (iii) Ravi Shankar Maharaj.

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 Markets, International Banking and Foreign Exchange Problems, Corporation Finance, Economics of Agriculture, Organised Industry, Trade, Transport, Business Administration, Advanced Accounting, Co-operation.
- (iii) B.Com.: Accounting and Auditing, Banking and Business Finance, Cotton Industry, Co-operation, Public Finance, Advanced Statistics, Transport, Business Management.
- (iv) Post-graduate : Banking and Co-operation Diploma
- (v) Undergraduate 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	3*	—	3*
F.Y. B.Com.	415	41	456
S.Y. B.Com.	348	23	371
T.Y. B.Com.	343	44	386
Junior M.Com.	27	2	29
Senior M.Com.	14	1	15
Post-graduate Diploma in Banking	29	3	32
Post-graduate Diploma in Co-operation	1	—	1
Total	1,179	114	1,293

* Excludes 4 Men students permitted to join the Undergraduate Diploma in Co-operation and S.Y. B.Com. course simultaneously.

3. Staff

The staff of the Faculty consisted of 9 Readers, 13 Lecturers, 4 part-time Professors, 6 Class III and 11 Class IV servants as on 31st March, 1967. The Departments of English, Law, Mathematics, Statistics and General Education made arrangements for the teaching of the subjects in the Faculty. Some members of the staff of this Faculty gave lectures in the Faculty of Technology and Engineering, Faculty of Arts under the General Education Programme.

4. Library

The University Library provides library and reading-room facilities to all the Faculty students and teachers.

5. Publication by members of the staff

Name of the teacher	Subject of Paper or Article	Name of the journal where-in published with month of publication
Dr. D. K. Shukla	(i) The Devaluation and payments distribution	The Economic Times, June 29, 1966
	(ii) Structural changes in output Agricultural surpluses and Economic growth in India	Gujarat Research Society Journal, Vth Gujarat Research Workers' Conference No., October 1966.
Shri D. J. Mehta	The Scope for human Relations in India	Management Review, November 1966.

6. Co-curricular Activities

Besides the Students' Association, the students of this Faculty organised the (i) Economics Students' Association, (ii) Banking Students' Association, (iii) Accountancy Students' Association, (iv) Business Management Students' Association and (v) Co-operation Students' Association. The Associations arranged talks, debates and essay competitions.

7. Other Important Events

(1) The Dena Bank Trophy Debate was held on 5th October, 1966 under the Chairmanship of Shri Nanubhai B. Amin, Chairman, Jyoti Ltd., Baroda. The subject of the debate was "In the opinion of this house, wage freeze alone can hold the price line in our country." The trophy was won by the H. L. College of Commerce, Ahmedabad.

(2) On 13th October, 1966, the Faculty organised on behalf of Committee for Co-operative Training of the National Co-operation Union of India, New Delhi, an Inter-Faculty Prize Debate on Co-operation. The subject of the debate was "The only antidote to the growth of monopolistic tendency is the expansion of the Co-operative sector." The scroll was won by the Faculty of Commerce.

(3) The Faculty Cricket Team won the University Championship. The Faculty participated in all the events of the University Youth Festival and was awarded third prize in Group Dance.

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, Physiology, Pharmacology, Pathology, Obstetrics and Gynaecology, Paediatrics, Anaesthesia, Preventive and Social Medicine and Radiology
M.S.	Surgery, Anatomy and Orthopaedics
M.Sc., Ph.D.	Anatomy, Physiology, Pathology, Bacteriology, Parasitology, Pharmacology and Biochemistry
(2) Diploma	Subject
D.A.	Diploma in Anaesthesia
D.C.P.	Diploma in Pathology
D.G.O.	Diploma in Obstetrics and Gynaecology
D.L. & O.	Diploma in Laryngology
D.M.R.E.	Diploma in Medical Radiology and Electrolgy
D.O.	Diploma in Ophthalmology
D.Ped.	Diploma in Paediatrics
D.V. & D.	Diploma in Venereal Diseases
T.D.D.	Diploma in Tuberculosis Diseases

Most of these have been inspected and recognised by the Medical Council of India.

2. Number of Students

(1) Degree M.B.B.S.	Men	Women	Total
1st Year	96	24	120
2nd Year	105	20	125
3rd Year	98	25	123
4th Year	94	29	123
5th Year	77	15	92
Total	470	113	583

(2) *Post-graduate Degree*

	Men	Women	Total
M.D. Br. I (Medicine)	28	—	28
M.D. Br. II (Pathology)	8	3	11
M.D. Br. V (Obst. & Gynae.)	9	6	15
M.D. Br. VI (Paediatrics)	8	6	14
M.D. Br. VII (Anaesthesia)	2	3	5
M.D. Br. VIII (Prev. & Soc. Med.)	3	—	3
M.S. Br. I (Surgery)	28	—	28
M.S. Br. II (Anatomy)	1	—	1
M.S. Br. III (Orthopaedics)	4	—	4
M.S. Br. IV (E.N.T.)	4	—	4
M.Sc. (Anatomy)	2	—	2
M.Sc. (Physiology)	8	1	9
M.Sc. (Pathology/Bacteriology)	9	3	12
M.Sc. (Pharmacology)	6	2	8
Ph.D. (All subjects)	5	1	6
Total :	125	25	150

(b) *Post-graduate Diplomas*

D.A.	3	—	3
D.C.P.	7	3	10
D.G.O.	1	7	8
D.L. & O.	4	—	4
D.M.R. & E.	1	1	2
D.O.	2	—	2
D.Ped.	8	2	10
T.D.D.	3	—	3
Total :	29	13	42

Grand Total : 624 151 775

3. Staff

The staff of the College consisted of a Dean, 30 Professors, 49 Lecturers, 39 Junior Lecturers, one Assistant Superintendent, 11 Hon. Medical Officers, 4 full time Specialists, one Matron, 4 full time Medical Officers, 2 G.M.S. Class II officers, 112 Class III and 83 Class IV servants.

4. Library

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

- (i) Books (including back numbers of journals as on 1-4-1965) 11,210

(ii) Books written off during the year	—
(iii) Books added during the year	467
(iv) Books as on 31-3-1967	677
(v) Journals subscribed during the year	130 (Subscribed) 70 (Gift from W.H.O.)
(vi) Total amount spent for Library and/or Reading Room during the year	17,645-00 Journals 2,717-80 Books
Total :	20,362-80

5. Museum, Laboratory, Studios and Workshops etc.

Sr. No.	Item	Cost of Equipment as on 1-4-1966 Rs.	Cost of Equipment etc. written off during the year Rs.	Cost of Equipment etc. added during the year Rs.	Cost of Equipment as on 31-3-1967 Rs.
(i)	Museum	3,23,377	465	3,011	3,25,923
(ii)	Laboratory	9,23,471	3,229	34,324	9,54,566
(iii)	Studio	13,483	—	—	13,483
(iv)	Workshop	—	—	—	—
Total:		12,60,331	3,694	37,335	12,93,972

6. Publications

Fifty six articles and papers 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 of Baroda, I.C.M.R., C.S.I.R., etc. are also under progress.

7. Extra Curricular Activities

(1) As usual the college participated in the University Week Celebration in December, 1966.

(2) A welcome Social to welcome the new students and the W.H.O. team and a term ending Social Gathering were also held.

(3) 18th Annual Social Gathering was held on 11th February, 1967 at Gandhi Nagar Grih. Honorable Shri P. N. Bhagwati, Justice, High Court of Gujarat was the Chief Guest.

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 Pharmacology, 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 medicinal herbs and minerals, a Clinical Laboratory, a Rasa Shala and an Out-patient Department. Twelve beds at the S. S. G. Hospital have been placed at the disposal of the Unit for Ayurvedic clinical research and inpatient treatment.

3. Library

This year 4 books have been added. The total number of books is 2,628. Ten Ayurvedic journals were subscribed to during the year.

4. Museum

Fifty groups of available medicinal herbs, each group consisting of 10 drugs according to the Pharmacological Classification of Charaka are arranged and maintained in the Museum. Specimens of minerals and other useful drugs have also been kept. A section of Ayurvedic Pharmacopoeial medicines is also maintained. 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 exhibited in the Museum.

5. Research

(1) Out-patient Department :

During the year 30,212 patients attended the Unit for treatment.

(2) Inpatient Department :

Fifty-two patients were admitted and investigated during the year.

(A) Clinical trials of well-known Ayurvedic remedies :

(i) Evaluation of the effect of the oil of *semicarpus anacardium* in cases of ankylostomiasis. Twenty-four cases have been studied and the work is in progress.

(ii) The work on evaluation of the effects of "Samshamani No. 1" as an antihypertensive drug is in progress in collaboration with the Departments of Pharmacology and Medicine of the Medical College, Baroda.

(iii) The work on evaluation of the effect of plain extract *Gaduchi* in powder form and *Samshamani No. 1* as a tranquillizing agent is being done in collaboration with the Psychiatry Department of the S.S.G. Hospital under the guidance of Dr. Sharma. Three cases have so far been studied.

(iv) Evaluation of the effect of "Shirobasti" in cases of hemiplegia. Two cases have so far been studied.

(v) Clinical trial of "कपित्थचूर्ण" in cases of diabetes mellitus work on two cases has been concluded.

(B) Research in the fundamental theories of Ayurveda.

The work of *Prakriti-Vinischya* in relation with haematological studies is in progress. Thirty-five normal subjects have so far been examined.

(C) Pharmacological Research :

(i) Investigation of the styptic action of *Mimosa Pudica*. (Lajmani).

An aqueous extract obtained from the whole plant of *Mimosa Pudica* showed a positive inotropic and chronotropic effect in perfused frog's heart. Detailed study of this effect is in progress.

(ii) Evaluation of the anti-inflammatory activity of *gugul*. Ayurvedically purified *gugul* is being evaluated for its anti-inflammatory activity using granulana pellet test in rats and dexamethosone and indomethacin as standard anti-inflammatory agents. The work is in progress.

6 Rasa-Shala :

Extraction of oil from the nuts of *semicarpus anacardium* was done by the Ayurvedic method and *Chincha Bhallatak Vati* and *Tiladi Modak* were prepared in the Rasa-Shala.

7 Garden

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

Publications :

Name of the Contributors	Title of the paper	Name of the journal wherein published
Vaidya M. K.	(i) गृध्रसी और कटिग्रहमें गौमुत्रैरणैल योग	Swasthya
Brahmbhatt	(ii) तमकइवासमां लशुनकल्प	Ayurved Jagat
	(iii) आयुर्वेदना पुनरुत्थान अंगे मारा विचारो	Swasthavrut
	(iv) शिरारोगमां जलैकावचारणनुं मूल्यांकन	Souvenir
	(v) अतिसार अने ग्रहणीरोग	Ayurved Jagat
	(iv) गृध्रसीमें अमृत भलातकी	Swasthya
	(vii) अतिसार व ग्रहणीरोग—एक आभास	Ayurved Mahasam-melan Patrika

CHAPTER XIII—FACULTY OF TECHNOLOGY AND ENGINEERING

1 Courses of Studies

The Faculty provides the following courses :

(i) Master's Degree	
M. E.	Civil, Mechanical, Electrical
M. Text. Engg.	Textile Engineering
M. U. D.	Architecture (Urban Design)
(ii) Post-graduate Diploma	Refrigeration and Air Conditioning
(iii) B. E.	Civil, Mechanical, Electrical, Chemical, Electronics & Metallurgical Engineering
(iv) B. Text. Engineering	Textile Engineering
(v) B. Text. Technology	Textile Technology
(vi) B. Arch.	Architecture
(vii) Post-Diploma Diploma	Refrigeration and Air Conditioning
(viii) Diplomas, D.T.C. and D.T.T.	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 :

	Men Students	Women Students	Total Number of Students
(1) Diploma :			
Textile Chemistry :			
1st Year	37	—	37
2nd Year	41	—	41
3rd Year (Final)	106	—	106
Textile Technology :			
Pre. T. T.	42	—	42
1st Year	35	—	35
2nd Year	24	—	24
3rd Year (Final)	33	—	33
Total :	318	—	318
(2) Post-Diploma :			
Refrigeration and Air Conditioning	5	—	5

	Men Students	Women Students	Total Number of Students
(3) Degree			
B. E. I.			
Civil, Mechanical, Electrical, Metallurgical and Chemical Engineering }	427	3	430
B. E. I. Electronics Engg.	15	—	15
B. E. II Electronics Engg.	5	—	5
F. Text. Engineering and Technology	74	—	74
B. E. II Chemical	42	—	42
Civil	119	2	121
Mechanical	125	—	125
Electrical	80	—	80
S. Text. Engg.	24	—	24
S. Text. Tech.	37	—	37
B. E. III			
Chemical	40	—	40
B. E. (Civil)	89	1	90
B. E. (Mechanical)	119	—	119
B. E. (Electrical)	59	—	59
T. Text. Engg.	32	—	32
T. Text. Tech.	28	—	28
B. E. (Civil)	127	—	127
B. E. (Mechanical)	176	—	176
B. E. (Electrical)	98	—	98
B. Text. Engg.	15	—	15
B. Text. Tech.	16	—	16
B. Arch. 1st Year	37	20	57
B. Arch. 2nd Year	49	6	55
B. Arch. 3rd Year	37	3	40
B. Arch. 4th Year	47	7	54
B. Arch. 5th year	45	5	50
Pre. Engineering Civil	9	—	9
Pre. Engineering Mechanical	29	—	29
Pre. Engineering Electrical	5	—	5
Total:	2,005	47	2,052

(4) Post-graduate Diploma Course in
Refrigeration and Air Conditioning

	Men Students	Women Students	Total Number of Students
(5) Post-graduate Degree:			
(a) M.E. (Civil) Soil Mech. Jr.	5	—	5
M.E. (Civil) Soil Mech. Sr.	5	—	5
II M.E. (Civil) Public Health Engg. (Jr.)	7	—	7
M.E. (Civil) Public Health Engg. (Sr.)	4	—	4
III M.E. (Civil) High- way and Bridge Engg. (Jr.)	3	—	3
M.E. (Civil) High- way and Bridge Engg. (Sr.)	—	—	—
IV M.E. (Civil) Struc- tural Engg. (Jr.)	6	—	6
M.E. (Civil) Struc- tural Engg. (Sr.)	9	—	9
V M.E. (Civil) Hydraul- lic Structure (Jr.)	2	—	2
M.E. (Civil) Hydraul- lic Structure (Sr.)	1	—	1
(b) I M.E. (Mechanical) Internal Combustion Engg. (Jr.)	7	—	7
M.E. (Mechanical) Internal Combustion Engg. (Sr.)	8	—	8
II M.E. (Mechanical) Production Engi- neering (Jr.)	5	—	5
M.E. (Mechanical) Production Engi- neering (Sr.)	7	—	7
(c) I M.E. (Electrical) Servo-mechanism (Jr.)	6	—	6
M.E. (Electrical) Servo-mechanism (Sr.)	10	—	10

		Men Students	Women Students	Total Number of Students
II	M.E. (Electrical) Power Engineering (Jr.)	2	—	2
	M.E. (Electrical) Power Engineering (Sr.)	1	—	1
(d)	I M.Text. Engg.	—	—	—
(e)	I M.Arch. Urban Design	—	—	—
Total :		88	—	88

(6) Government of India Technical Teachers Trainees :

First Year :

Civil	—	—	—
Mechanical	5	—	5
Electrical	—	—	—

Second Year:

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

Third Year:

Civil	5	—	5
Mechanical	6	—	6
Electrical	—	—	—
	21	—	21

Summary

(1) Diploma Courses	318	—	318
(2) Post-Dip. Diploma Course	5	—	5
(3) Degree Course	2,005	47	2,052
(4) Post-graduate Diploma Courses	8	—	8
(5) Post-graduate Degree Courses	88	—	88
	2,424	47	2,471
(6) Technical Teachers	21	—	21
Total :	2,445	47	2,492

3 Staff

During the year the staff of the Faculty consisted of 13 Professors, 25 Readers, 55 Lecturers, 50 Senior Instructors, 2 Junior Instructors, 27 Assistant Lecturers, 131 Class III and 90 Class IV servants.

4 Library

Several books were purchased at a cost of Rs. 25,815/- during the year 1966-67. The total value of the books and periodicals was Rs. 4,43,915 at the end of March 1967.

5. Museum Laboratories, Studios, Workshops etc.

Sr. No.	Item	Cost of equip- ment etc. as on 1-4-1966 Rs.	Cost of equip- ment written off during the year Rs.	Cost of equipment added dur- ing the year Rs.	Cost of equip- ment etc. as on 31-3-1967 Rs.
1.	Laboratories, Workshop, Studio etc.	38,19,249-36	—	1,17,707-00	39,36,956-36

6. Publications by the members of the Staff

(1) Articles/Papers :

Name	Title	Name of the journal wherein published with month of pub- lication
Professor R. V. Joshi and Shri A. K. Menon	Luminescent decay of vari- ously pretreated Kcl.+1 phosphors	Indian Journal of Physics Vol. XLI, No. 2, February 1967, pp. 115-120
Shri R. C. Patel and A. S. Loiwal	Free Piston Gasifier	Annual Number ; Institute of Engineers (India), Ahmed- abad Centre, January 1967
Sarvashri R. C. Patel, A. S. Loiwal and D. M. Dhingra	Diesel Engine in Associa- tion with Gas Turbine	Journal of Institute of Engi- neers (India), Vol. XLVII, January 1967

(2) Books :

Name	Title	Name of Publisher with month of publications
r. K. S. Shah	Heat Engines (MKS), Vol. II	Good Companions, Baroda November 1966

<i>Name</i>	<i>Title</i>	<i>Name of Publisher with month of publications</i>
Professor L. B. Shah, Sarvashri R. C. Patel and D. M. Patel	Kinematics	Acharya Book Depot, Baroda
Sarvashri N. M. Patel and N. M. Asti	A first course in calculus	Bindoo Publishing House, Baroda, July 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.

7. Co-curricular Activities

(1) *Exhibition of Educational 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 organisations. Forty-three films were shown during the months July 1966 to March 1967.

(2) *Co-operative Stores:*

The working of the store was satisfactory. The total sale during the year amounted to Rs. 20,670/-.

8. Other Important Events

(1) The Faculty organised the following Winter and Summer Schools.

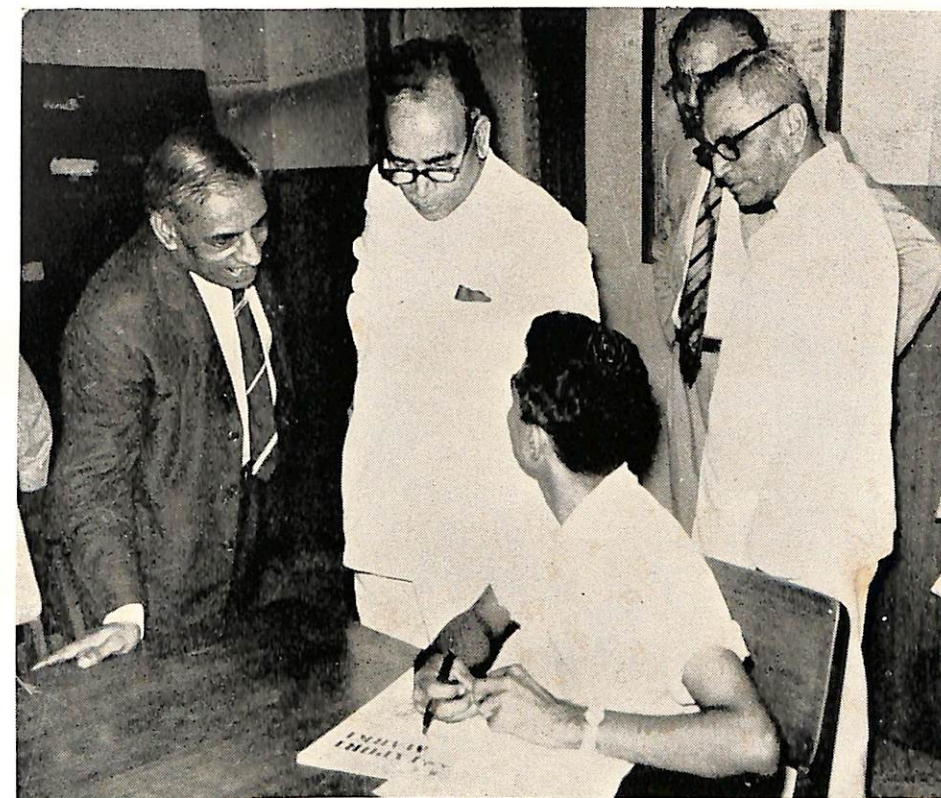
- (i) Winter School in Architecture.
- (ii) Summer School in Public Health Engineering.
- (iii) Summer School in Switchgear and Protection.

The participants for the above schools were selected from educational institutions and Industries throughout India. The finances for these schools were provided by the University Grants Commission.

(2) The Post-Diploma Diploma Course in Refrigeration and Air-Conditioning was instituted during the current academic session.

(3) Dr. K. Everard Expert in Structural Engineering has been assigned to the Faculty under the UNESCO. Technical Assistance Programme.

(4) Professor O. H. Patel, Professor of Civil Engineering was selected as UNESCO Expert for assignment at Syria.



Dr. D. S. Kothari visiting the Faculty of Technology and Engineering

(5) The University Grants Commission released the sanction of grants of Rs. 13,75,000 non-recurring for building, equipment, furniture and books and Rs. 8,60,000 per annum recurring for staff, maintenance and (140) scholarships of Rs. 250 p.m. each for the institution of eight Post-graduate degree courses in Civil, Mechanical and Electrical Engineering and one post-graduate diploma course in Refrigeration and Air-Conditioning in the Faculty. The recurring grants from the University Grants Commission on 100% basis will be available for a period of five years from 1st April, 1967. The State Government will take over the liability of the recurring expenditure on staff and maintenance of the courses after a period of five years of implementation *i.e.* from 1st April, 1972.



CHAPTER XIV—FACULTY OF FINE ARTS

1. Courses of Studies

The Faculty offers the following courses :

(i) M.A. (Fine)	Applied Arts, Art Criticism, Art Education, Painting and Sculpture
(ii) B.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, Pottery and Ceramics, Photography, Printing, Process and Block making and Wood Crafts.

2. Number of Students

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

Year/Class	Men	Women	Total
(1) Certificate :			
First Year	1	—	1
Second Year	2	1	3
Total :	3	1	4
(2) Diploma :			
First Year	35	8	43
Second Year	18	2	20
Third Year	23	—	23
Fourth Year	12	5	17
Total :	88	15	103
(3) Post-Diploma :			
Junior	8	1	9
Senior	4	1	5
Total :	12	2	14

(4) Degree :	Men	Women	Total
First Year	24	18	42
Second Year	9	9	18
Third Year	10	6	16
Fourth Year	4	—	4
Total :	47	33	80
(5) Post-graduate Diploma (Museology) :			
Junior	9	4	13
Senior	2	2	4
Total :	11	6	17
(6) Post-graduate Degree :			
Junior	5	—	5
Senior	3	—	3
Total :	8	—	8
(7) Ph.D.	1	—	1
Total :	1	—	1
Grand Total :	170	57	227

In addition to the above, there were 8 men and 5 women non-collegiate students and Government scholars studying in this Faculty.

3. Staff

The staff of the Faculty of Fine Arts including the Museology Department consisted of 3 Professors, 1 Part-time Professor, 5 Readers, 19 Lecturers, 3 Assistant Lecturers, 1 Demonstrator, 1 Part-time Instructor, 12 Class III and 18 Class IV Servants.

4. Library

(A) Books :

The Library received a grant of Rs. 3,000/- from the University as usual and it has been fully utilised. Noteworthy acquisitions during the year are (1) Gateway to the twentieth century by Jean Cassou and others, (2) Key monuments of the History of Art, ed., by H. W. Janson, (3) History of Art by H. W. Janson. The Library also received as gift of about 20 books from the French Embassy and 2 sets of colour slides numbering as well as from the Hungarian Embassy and West German Embassy. The British Council presented us with two/three sets of Film Strips.

	<i>Books (including back No. of journals)</i>	<i>Pamphlets</i>	<i>Total value in Rs.</i>
Number at the beginning of the year	4,308	94	71,629-43
Number added during the year	347	—	2,996-15
Number remaining at the end of year	4,655	94	74,625-58

(B) *Periodicals :*

The total number of periodicals and journals subscribed to now stands at 18. The total amount spent for the subscription of the periodicals is Rs. 1,132-74. An amount of Rs. 549 was spent for binding the old books and periodicals.

A small departmental library containing books obtained on Loan from the University Library is also maintained in the Museology Department for reference purposes.

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

<i>Sr. No.</i>	<i>Item</i>	<i>Cost of equipment as on 1-4-1966</i>	<i>Cost of equipment etc. written off during the year</i>	<i>Cost of equipment added during the year</i>	<i>Cost of equipment as on 31-3-1967</i>
		<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>
1	Studios, Workshops, Painting, Sculpture and Applied Arts	2,44,154-16	—	7,544-70	3,51,698-86
2	Museology	69,204-62	—	1,116-00	70,320-62
	Total :	3,13,358-78	—	8,660-70	3,22,019-48

6. **Publications**

The following works were published during the year :

<i>Author</i>	<i>Title</i>
(1) Shri S. M. Nair, Lecturer in Museology	(i) Studies in Museology-Volume II (ii) An Improved Method for studies in the Taxidermy of Fishes Museology—Vol. II
(2) Shri O. P. Agrawal, Chemist, National Museum, Delhi	Introduction to the Preservation of Paintings

7. **Literary, Cultural and Other Activities**

(1) Sarvashri V. K. Bhatt, R. M. Pandya and N. K. Sant gave extension lectures on Art in different local schools.

(2) Shri Jyoti Bhatt organised and conducted a training class for etchers and engravers during October-November, 1966 in the Faculty premises.

(3) Professor N. Chaudhary and Shri R. K. Parimoo contributed papers to the All India Art Teachers' Conference organised by the Jamia Milia at Delhi.

8. **Co-curricular Activities**

(1) The Faculty arranged tours to Tarnetar (Saurashtra) in September, 1966 and to Udaipur (Rajasthan) in December-January, 1967, for the students and the staff of the Faculty. Students of the Museology Department went to Okha-Dwarka to make a collection of marine animals in the first session of the academic year. The senior students of the Department visited museums and allied institutions in Calcutta, Darjeeling, Patna, Nalanda, Banaras, Sarnath, Allahabad, Lucknow and Delhi during their tour in the second term.

(2) Exhibition of Contemporary Hungarian Art was arranged during 25th January to 2nd February, 1967.

(3) The Students Association organised a special function on 11th March, 1967 to felicitate the prize and award winners and to bid farewell to outgoing students.

(4) Shri V. H. Bedekar was elected as Chairman of the newly formed National Committee for Museum Education in India, New Delhi.

(5) Shri S. M. Nair continued to work as the Convener, Science Section of the Museum Association of India, as member on the Editorial Board of the Journal of Indian Museums and also as Editor of 'Studies in Museology'.

(6) Shri R. T. Parikh worked as Ad-hoc Secretary of the Museum Association of Gujarat.

9. **Other Important Events**

(1) A Colourful Tree Planting Ceremony was organised on 15th August, 1966 under the Presidentship of the Vice-Chancellor.

(2) A Fine Arts Fun Fair was arranged on 18th and 19th December, 1966 in the premises of the Faculty. Out of the collection, Rs. 5,000 were sent to the Prime Minister's Drought Relief Fund for Bihar and Rs. 840 were contributed to the Poor Boy's Fund of the Faculty.

(3) The teachers of the Faculty participated in various group shows of Painting and Sculpture, held one-man shows and individual shows at various centres and also prepared poster campaigns during the Small Pox Eradication Week, etc.

(4) Shri K. G. Subramanyam, Professor of Painting was awarded Rockefeller Senior Scholarship for visiting the United States for one academic year.

(5) Seventeen students of the Faculty won prizes in the Gujarat State Art Exhibition held at Ahmedabad in March 1967.

(6) Shri Surya Murti, a Cultural Scholar from Andhra Pradesh was recipient of the Lalit Kala National Award in Painting.

(7) Professor T. Harvarth, Director of the Ference Hopp Museum of East Asian Art, Budapest (Hungary) and Dr. (Mrs.) J. Stepkora, Museum Expert from Czechoslovakia visited the Museology Department and delivered lectures on 'Exhibition and Display in Museums in Hungary' and 'Structure, Organisation and Research Activities in Czech Museums' respectively.

CHAPTER XV— FACULTY OF HOME SCIENCE

1. Courses of Study

There is provision for the following courses:

- | | | |
|--|---|---|
| (1) B.Sc. (Home), M.Sc. (Home) and Ph.D. | : | (i) Child Development |
| | | (ii) Foods and Nutrition |
| (2) B.Sc. (Home) and M.Sc. (Home) | : | (i) Clothing and Textiles |
| | | (ii) Economics of Household and Home Management |
| | | (iii) 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) B.Sc. (Home):			
(a) First Year	—	126	126
(b) Second Year	—	135	135
(c) Third Year	—	129	129
(d) Fourth Year	—	117	117
(i) Foods and Nutrition		37	
(ii) Child Development		8	
(iii) Home Management		19	
(iv) Clothing and Textiles		19	
(v) Education and Extension		11	
(vi) General Home Science		23	
Total:	—	507	507

Year/Class	Students		
	Men	Women	Total
(2) Post-graduate Diploma in Nursery Sahool Education	—	2	2
(3) Junior M.Sc. (Home)	1	38	39
(i) Foods and Nutrition		6	
(ii) Child Development		8	
(iii) Home Management		6	
(iv) Clothing and Textiles		1+12	
(v) Education and Extension		6	
(4) Senior M.Sc. (Home)	—	30	30
(i) Foods and Nutrition		10	
(ii) Child Development		6	
(iii) Home Management		7	
(iv) Clothing and Textiles		4	
(v) Education and Extension		3	
(5) Ph.D. :			
Foods and Nutrition	2	1	3
Grand Total :	3	578	581

3. Staff

The staff of the Faculty consists of 2 Professors, 1 Honorary Professor, 6 Readers, 23 Lecturers, 19 Assistant Lecturers, 3 Demonstrators and Tutors, 14 Class III and 26 Class IV Servants. The Faculty also continued to receive the help of the staff of other Faculties for teaching various courses.

Two Visiting Professors Dr. Eppright and Dr. Wells under Ford Foundation Scheme Project are teaching and conducting various research schemes at the post-graduate level.

4. Library

The Faculty had its own library but the library is now amalgamated with Shrimati Hansa Mehta Library from 1964-65. All the books are shifted to Shrimati Hansa Mehta Library. However, all the departments maintain a small reference book library for the use of staff, post-graduate and research scholars. The Faculty also subscribes for periodicals which are scientific and general in nature.

5. Museum, Laboratory, Studios, Workshop etc.

Sr. No. & Item	Cost of equipment as on 1-4-1966	Cost of equipment etc. written off during the year	Cost of equipment etc. added during the year	Cost of equipment as on 31-3-1967
	Rs.	Rs.	Rs.	Rs.
Museum, Laboratories, etc.	3,76,603-95	—	19,356-84	3,95,960-79

6. Publications by the members of the Staff

(A) Books :

Sr. No.	Author/s	Title	Where published
1	Dr. (Smt.) Pramila Phatak	(i) Children's Rearings	Published by the author in December, 1966.
		(ii) Research in Child Development, marriage and family relations done in Indian Institutes of Teaching and Research	M. S. University of Baroda, December 1966.

(B) Articles/Papers :

2	Dr. (Smt.) Pramila Phatak	Research in Child Development	Interdisciplinary Volume No. 13, July 1966.
3	Dr. (Smt.) R. Rajalakshmi and Professor C. V. Ramakrishnan	(i) Protein Nutrition & Brain Function	Proc. VII International Congress of Nutrition Hamburg, West Germany, Vol. I, Nutrition and Health, 1966.
		(ii) Some problems posed by pregnancy and lactation in poor Indian Women	Paediatric Digest, July 1966.

<i>Sr. No.</i>	<i>Author/s</i>	<i>Title</i>	<i>Where Published</i>
4	Dr. (Smt.) R. Rajalakshmi, J. Malathy and Professor C. V. Ramakrishnan	Effect of dietary protein content on regional distribution of ascorbic acid in albino rats	J. Neurochem., 1966
5	Dr. (Smt.) R. Rajalakshmi, S. Z. Ali and Professor C. V. Ramakrishnan	Effect of inamition during the neonatal period on discrimination learning on brain biochemistry in albino rats	J. Neurochem., 1967
6	Dr. (Smt.) R. Rajalakshmi, G. Subalakshmi and Tara Mehta	Vitamin C Synthesis in rats fed on diets deficient or normal in iron content	Brit. J. Nutr., 1967
7	Dr. (Smt.) R. Rajalakshmi & K. Vanaja	Chemical and bibliological evaluation of the effects of fermentation on the nutrition value of Idli and Khaman	Brit. J. Nutr., 1967
8	Dr. (Smt.) R. Rajalakshmi and N. Majmundar	Effect of legume supplementation to Kodri on its nutrition value to rats	J. Nutr. Dietet., 1966
9	Dr. (Smt.) R. Rajalakshmi and K. Ramchandran	Calcium in consporation in food stuffs	Proc. VII International Congress of Nutrition, Hamburg, West Germany, Volume I, Nutrition and Health, 1966
10	Dr. (Smt.) R. Rajalakshmi, G. Subalakshmi, Professor C. V. Ramakrishnan, S. K. Joshi & R. V. Bhatt	Biosynthesis of ascorbic acid in human placenta	Current Science, 1967

7. Literary, Cultural and Other Activities

(1) Dr. B. B. Chatterjee of Benaras who was invited under the University Grants Commission Scheme of Exchange of Teachers between Universities, delivered lectures, conducted seminars and gave guidance in the research projects of the Child Development Department from 23rd to 28th January, 1967.

(2) Under the University Grants Commission Scheme of Extension Work by University Teachers, 5 teachers of the Child Development Department and 2 of the Education and Extension Department delivered extension lectures.

(3) The Chetan Balwadi arranged 10 lectures as a part of the activities of the Parent-Teacher Association.

(4) An exhibition depicting different costumes of each State or Community with accessories and two exhibitions on foods, clothing, arts and crafts in villages and in Faculty of Home Science were organised by the Department of Clothing and Textiles and of Home Science Education and Extension respectively.

(5) A trip to Bombay was arranged for the students of the Clothing and Textiles Department to visit museum, handloom weavers' centre, etc. Students of the Home Management specialisation went to Rajasthan to see the Housing Handicrafts. The Child Development Department arranged a study tour to visit various institutions in Ahmedabad. Students of the Education and Extension Department went to Vadu and learnt the various activities going on in the rural areas.

(6) The Home Management Club organised competitions on the arrangement of napkins and flowers, demonstrated the arrangement and art of cooking, arranged an exhibition of articles made from scrap, etc. The Education and Extension Department arranged a 'Peons' Workshop' for one week.

8. Other Important Events

(1) The students and staff of the Faculty arranged a Fun Fair in February, 1967 and collected an amount of Rs. 5,085/- which was contributed towards the Prime Minister's Drought Relief Fund for Bihar.

(2) The Students Council collected clothes for the famine-stricken people of Panchmahal District.

(3) Dr. (Smt.). Pramila Phatak was appointed consultant for Researches in Child Development and Adolescent Psychology submitted to the National Council of Educational Research and Training, New Delhi.

(4) Smt. Amita Verma was elected as the Vice-President of the Indian Association for Pre-School Education and also member on the Standing Committee for Translation of Scientific and Technical Terminology, Ministry of Education.

(5) Dr. (Kum.) Justina A. Singh is elected as a member on the Indian Council of Agricultural Research for a period of three years. She also served as a member of the University Grants Commission Visiting Committee to assess the Fourth Five Year Plan Programme needs of two Universities.

(6) Dr. R. Rajalakshmi attended the IVth International Conference on 'Malnutrition, Learning and Behaviour' at the Massachusetts Institute of Technology, Cambridge, in February, 1967. She also visited the laboratories in Oxford, Cambridge, London and Carshalton in U. K., Washington and New York in U.S.A. and Montreal in Canada.

(7) The following were some of the distinguished visitors to the Faculty:

- (i) Miss G. Tinklin, Kansas State University, Consultant to Home Science Project at Hyderabad
- (ii) Mrs. Gorbenko, Graduate of the Moscow Institute of Foreign Language
- (iii) Dr. F. P. Kittrell
- (iv) Dr. Ruth Leverton, Agricultural Research Services, U.S.A.
- (v) Dr. Jivraj Mehta, Ex-Chief Minister of Gujarat State
- (vi) Dr. (Smt.) Hansa Mehta, Ex-Vice-Chancellor, M. S. University of Baroda

CHAPTER XVI—FACULTY OF SOCIAL WORK

1. Courses of Study

Post-graduate Degree in 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. But as of the coming academic year, the system of electives will be in course. This system will enable students to select field courses keeping in view the field of their specialization.

(2) *Field Work (Practical Training)*

In any professional training the theoretical knowledge should be supplemented by practical training in the field. Therefore, an increasing emphasis is being placed on the field work experience of the students. On an average the students put in 15 hours a week for their practical training. There are twenty agencies cooperating with the Faculty and participating very actively in providing good learning experience for the students.

In the initial years there were no suitable agencies for offering field experiences in the fields of Rural Social Work, Urban Community Welfare and Psychiatric Social Work. The Faculty took initiative and established the following three agencies with the primary purpose of training the students :

(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:*

This centre was established in the Fatehgunj area in the year 1951. It extends training facilities to the students and also serves as a service agency for the local community. The main functions of the Kendra are recreational and

Social Education programmes for different age groups, subsidiary diet for children under 12 years, community education on health problems, advice on family planning etc. During this academic year, 7 to 9 students were placed in the centre for their field work experiences. This year the centre had sponsored an interagency 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:*

The Clinic was established in July 1952 as an outpatient clinic in the S.S.G. Hospital on part-time basis. The Jean and Howard Norman Trust of Australia gave grants to the Clinic and it started working full-time from July 1954. As of October 1965, the clinic has been working as a Psychiatric Department of the hospital. However, we do use the clinic services for student's training programme and receive all the help and co-operation from the staff in providing excellent learning experiences for our students. One of the Faculty staff members is working in the clinic to supervise and co-ordinate the field work training programme of our students. In addition to this work he supervises the students placed in the S.S.G. Hospital for field instructions in Medical Social Work.

(3) *Research Experience:*

As part of the requirements 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:*

Camp programme was organised at Sagtala during the first academic term with a view to provide the Junior 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 programme of study tour to Nagpur 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 1966-67 was as under :

Class	Men	Women	Total
Senior M.S.W.	28	8	36
Junior M.S.W.	29	15	44
		3 Non-Collegiate	3
Total	57	26	83

3. *Staff*

The staff of the Faculty consisted of 1 Professor, 2 Readers, 6 Lecturers, 1 Assistant Lecturer, 1 Agency Supervisor, 1 Part-time Lecturer, 10 Class III and 7 Class IV servants.

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	5,988	1,520	50,058-40
Number added during the year	240	230	3,998-86
Total :	6,228	1,750	54,057-26
Number written off	20	—	253-71
Number remaining at the end of the year	6,208	1,750	53,803-55

(B) *Periodicals*

The total number of periodicals and scholarly journals subscribed to during the year stands at 61. About 83 volumes of bound periodicals were added to the stock during the year. Amount spent for subscription etc. is Rs. 1,297-11. Amount of Rs. 1,000/- allotted to film grant was reappropriated to Books Grant.

(2) *Circulation of Books*

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

(i)	Daily average number of readers visiting the Library	60
(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

<i>Name of the Teacher</i>	<i>Title of Paper/Article</i>	<i>Name of the Journal where in published with month of publication</i>
Shri S. K. Majmudar	Scope of Social Work as Profession	The Knot, Alumni Association, Faculty of Social Work, M. S. University of Baroda, April 1966
Dr. V. B. Shah	(i) School Social-Work	Social Welfare Issue, March 1966, Vol. XII, No. 7
	(ii) The smiles return-success of school Social Work	Social Welfare, October 1966, Vol. XIII, No. 7
	(iii) Prevention of Delinquency Role of the school and recreation	Social Welfare, April 1967, Vol. XIV, No. 1
Shri S. R. Ramdev	(i) Self-help and people's participation in Community Services	Social Welfare, January 1967
	(ii) Administration in Social Welfare field	Proceedings of the 4th Faculty Agency Seminar

6. Literary, Cultural and Other Activities

(1) To accomplish greater involvement of Field Work Agencies in the students' training programme, the Faculty organised a Seminar on Administration in welfare field on 11th March, 1967. Voluntary organisation, Government Agencies and Industrial Organizations participated in the Seminar.

(2) Under joint auspices of the Department of Prohibition, Government of Gujarat and the Faculty of Social Work, a Seminar on "Prohibition as a Social Policy" was held in April 1966. Members of the staff actively participated in the seminar and some of them presented papers on various topics related to the subjects of prohibition.

(3) One of the teachers—Shri I. P. Shelat was deputed to participate in and to organise Relief Work in Bihar.

7. Co-curricular Activities

(1) The Faculty maintains a film library of its own. 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) The Students' Association of the Faculty organized socials, sports, outings, debates and lectures by eminent speakers on topics of academic interest. The Association arranged a charity film show in aid of Bihar Relief Fund on 26th February, 1967. The amount of Rs. 2300/- was collected and handed over to the Vice-Chancellor on the Faculty Day Celebration.

(3) Rao Bahadur Ramlalbhai H. Desai Gold Medal was awarded on 22nd October, 1966 to Mr. George Chiracal S. who stood first in the order of merit at the M.S.W. examination. He was also awarded Shrimati Manorama Karanikar Shield on 11th March, 1967. The Alumni Association Shield was awarded to Miss Asha Dangarwala, alumni of the group 1964-1966 who stood second in the order of merit.

(4) 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. It acts as a central bureau of information for transmitting news of employment opportunities and related matters to its members. During the last 17 years of its establishment the Faculty has trained 350 graduates. Almost all of them are holding key positions in the field.

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

The Institute entered its 11th year, it celebrated the 10th anniversary through various programmes. Main among these was the Seminar on "Training Rural Workers as Change Agents". This report covers five major activities in the fields of Training Research and Extension.

(1) S.E.O. Training Centre :

The Centre completed the VII and VIII Long Term Courses and trained 52 Women as Mukhya Sevikas during the year. It also trained 26 Women in the VII Course organised for the Training of Associate Women Workers. The processing of data of Asodar Research and the Survey of 'Attitudes of the Village Women Leaders towards Change' were continued as supplementary activities of the Centre.

2. The Centre trained 106 Village Panchayat Officials in four Institutional Classes, 150 Village Panchayat Members in four peripetetic classes and 40 Village Panchayat Mantris-cum-Talatis in one course. It also collected and examined data on 'Emerging Pattern of Leadership in Panchayat Raj in Baroda District.'

It started the work of preparing a research design on 'Impact of General Elections.'

3. Family Planning Communication and Action Research Project :

The Institute conducted two Experimental Courses in Family Planning Extension Education for 29 Block Extension Educators. It also took up Staff Development Experimental Projects and Team Development Projects.

4. University Grants Commission Research Project

The data of the Scheme 'Condition and Care of the Aged in the rural Communities in certain parts of Gujarat' was collected and processed.

5. Ad hoc Programmes:

- (i) Social Science Orientation and Health Education course for students of School of Public Health Nursing, Ahmedabad from 19th to 27th August, 1966.
- (ii) District Supervisory staff (Family Planning) from Kaira Intensive Public Health Scheme, came for apprenticeship in Training and Supervision.
- (iii) Rs. 4,003/- were collected through 'Anand Bazar' and were donated to the Drought Relief Funds of the Bihar, Gujarat and Uttar Pradesh.

CHAPTER XVII—FACULTY OF LAW

1 Courses of Studies

The Faculty of Law imparts instruction 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 in the various classes in the Faculty was as follows :

Class	Men	Women	Total
First year LL.B.	257	28	285
Second year LL.B.	113	9	122
Total :	370	37	407
D.T.P.	50	—	50
D.L.P.	40	5	45
Total :	90	5	95
Jr. LL.M.	19	—	19
Sr. LL.M.	16	2	18
Total :	35	2	37
Ph. D.	1	—	1
Total :	1	—	1
Grand Total :	496	44	540

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

(1) The Faculty of Law has instituted a Trophy to be awarded annually to the best debating team from amongst the teams of all the Law Colleges of the State of Gujarat. The first Debating Contest for this Trophy was held at the

Faculty of Law on 4th February, 1967 on the subject "Legal Profession Consolidates National Integration". Dr. C. S. Patel, Vice-Chancellor, M. S. University of Baroda was in the Chair and Shri S. M. Nanavaty, District and Sessions Judge, Baroda was the Chief Guest.

The debating teams from the following Colleges participated :

- (i) Faculty of Law, Baroda
- (ii) Sir L. A. Shah Law College, Ahmedabad
- (iii) Sheth H. J. Law College, Bhavanagar
- (iv) New Law College, Ahmedabad
- (v) Anand Law College, Anand.

(2) The Annual day of the Faculty was celebrated at the General Education Auditorium on 5th February, 1967.

5 Lectures

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

<i>Speaker</i>	<i>Subject</i>
Professor S. K. Agrawala, Head, Department of Law, University of Poona	(i) Emergency and Fundamental Rights (ii) Parliamentary Privileges and Fundamental Rights
Dr. P. W. Rege, Principal, New Law College, Bombay	(i) Hindu Marriage Act, 1955—Some Difficulties (ii) The Formation of a Contract
Hon'ble Justice N. M. Miyabhoy, Chief Justice of Gujarat State	The Study of Law
Shri Girish C. Patel, Principal, New Law College, Ahmedabad.	(i) The present Status of the Rule in Saloman Vs. Saloman and Co. in India (ii) Doctrine of Frustration in English and Indian Law (iii) Mistake in the Law of Contracts (iv) Some Problems of the Hire-Purchase Agreements (v) Exception Clauses in Carriage of Goods, Bailment and Sale of Goods

6 Legis-Journal

The Faculty Association also brought out a Journal "Legis" containing learned articles by the teachers and students of Law.

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, 1967 the number of publications in the various series, from the Oriental Institute is 153 in the Gaekwad Oriental series and 587 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.

2. Post-graduate Teaching

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 and other recognised teachers of the staff of the Institute guided in all 7 Ph.D. students in Sanskrit, Gujarati and Ancient Indian Culture and 56 M.A. students in Sanskrit and Gujarati. The teaching of Prakrit as a subordinate subject at B.A. and M.A. level was introduced four years back by the University and Shri J. P. Thaker of this Institute taught 9 M.A. (5 Senior and 4 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. The staff of the Ramayana Department consisted of 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.

4. Library

(1) Manuscript Section :

This section has already a collection of 24,685 MSS in Sanskrit, Prakrit, Pali, Apabhramsha and other classical Indian languages and in several modern Indian languages including a few in Persian and Arabic. Of these 419 were added during the year, out of which 6 were purchased and 413 were received as gift. Over and above these, 103 MSS were received as gift from Shri Kanaiyalal Bhaishanker Dave, Patan but they are still under process.

During the year, 41 MSS were lent out to other Institutions, 32 to local scholars and 420 were issued for work on the premises of the Institute, while 1 MS was borrowed from outside.

The MSS collection of the Oriental Institute is becoming richer by the addition of new collections every year and includes several MSS of historic value for their subject matter and for the historical information that they offer through their colophons and post-colophon entries. There are MSS 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 28,750 books.

(i) *Books :*

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

There have been some note-worthy additions during the year viz., Bharatavarshiya Prachin Sachitra Kosh in Hindi by Siddheshvar Shastri Chitrav; The collected works of Buston; Dr. Mirashi Felicitation Volume; Storia do Mogor 3 volumes by Niccolao Manucci; Sanskrit Texts from the Imperial Palace at Peking, pt. 1-3; Back volumes of Indo-Iranian Journal Volume 4 to 9, 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	28,030	2,58,634-65
Number added during the year	720	13,077-94
Total :	28,750	2,71,712-59

Out of the total number of books added during the year, 334 books were purchased at the cost of Rs. 7,287-94 and 386 books were received as gift and/or on exchange basis.

(ii) *Periodicals :*

The total number of periodicals and scholarly journals subscribed to and received on an exchange basis now stands at 300.

(iii) *Circulation and Reference Services :*

The collection is maintained as a reference collection for 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 of the University. The Institute also allows a number of people, not connected with the University but interested in the scholarly pursuit of subject under purview of the Institute, to read on premises. Select contents of Journals of Oriental learnings is being compiled and published in the Journal of the Oriental Institute.

5. *Publications*

(1) *Gaekwad's Oriental Series :*

Editing and publication of the Series is one of the main activities of this Institute. Uptil now 153 volumes have been published under this series.

During the year the following two works were published :

Pāda-Index of Vālmīki Rāmāyaṇa, Vol. II by Late Prof. G. H. Bhatt. समराङ्गसूत्रधार by Dr. V. S. Agrawala (Revised edition printed)

(2) The Ministry of Education, Government of India has sanctioned a sum of Rs. 43,300/- for re-printing ten out of print Sanskrit books. Out of the ten works the following four works have been published during the year under report :

गणकारिका of Acarya Bhasarvajna (GOS no. 15)

भविष्यत्कहा (GOS. no. 20)

अपभ्रंशकाव्यत्रयी (GOS. no. 37)

जयाख्यसंहिता (GOS. no. 54)

The remaining six works are under print.

(3) *M. S. University of Baroda Research Series :*

लघु प्रबन्धसङ्ग्रह : edited by Shri J. P. Thaker (under print)

(4) *M. S. University Oriental Series :*

Bibliography of Studies in Indian Epigraphy (1926-50)—by Shri Sibadas Chaudhari

6. *Translation Branch*

The following books were published during the year under different Series:

(1) *Shri Sayaji Sahityamala :*

कुहरतनी रीते वधु आशिष्य — by Shri S. P. Purohit

भारतरत्न — by Shri U. J. Sandesara

(2) *Text-Books in Regional Languages :*

आर्थिक अर्थोपपत्ति — by Shri Ramu Pandit

The sale of all our publications is managed by the University Publications Sales Unit, Baroda, since December, 1959.

7. Publications by the members of the staff

(1) Articles/Papers:

Name	Title	Where published or read
Prof. B. J. Sandesara	1 इतिहास अने साहित्य—संशोधननी दृष्टि	Centenary Lecture delivered under the auspices of the Forbes Gujarati Sabha, Bombay
	2 भोजराजानुं सरस्वतीसदन	बुद्धिप्रकाश, जून १९६६
	3 कौटिल्यनुं अर्थशास्त्र—एक दृष्टि	परब, सप्टेम्बर १९६६
	4 वेदोमां समाज अने राज्यनी रक्षा	नवचेतन, नवेम्बर १९६६
	5 भाषाविज्ञान अने अन्य विद्याओ	बुद्धिप्रकाश, डिसेम्बर १९६६
	6 गुर्जर इतिहास अने संस्कृति	Svadhyaya, November 1966 and Journal of the Gujarat Research Society, January 1967
	7 श्वेतमिक्षु	स्वाध्याय, फेब्रुआरी १९६७
	8 शब्दचर्चा	बुद्धिप्रकाश, फेब्रुआरी १९६७
	9 Some Important Vocables from Sanskrit Commentaries of Jain Canonical Works	Journal of the Oriental Institute, Vol. XV, nos. 3-4, March-June 1966
	10 A Note on the word 'श्वेतमिक्षु'	Journal of the Oriental Institute, Vol. XVI, no. 2, December 1966
Dr. U. P. Shah	1 गुजरातमां नाथसिद्धोनी प्राचीन मूर्तिओ	स्वाध्याय, फेब्रुआरी, पु. ४, अंक २
	2 साची सलामती—व्यक्ति अने समाजनी	हिन्दु मिलन मंदिर, दीपोत्सवी अंक, सं. २०२२
	3 Jaina Bronzes in Haridas Swali's Collection	Bulletin of the Prince of Wales Museum, Bombay, No. 9, pp. 47-49 with plates
	4 बुद्धिविजयकृत उपदेशमाला—बालावबोध	स्वाध्याय, पु. ४, अंक २

Name	Title	Where published or read
	5 वलभीनी एक सुन्दर स्त्री मूर्ति	स्वाध्याय, पु. ३, अंक ४
	6 Two Jain Bronzes from Ahmedabad	Journal of the Oriental Institute, Baroda, Vol. XV, nos. 3-4
Shri J. S. Pade	1 Prof. G. H. Bhatt—In Memorium	Journal of the Oriental Institute, Vol. XV, nos. 3-4
	2 Obituary note on Prof. D. D. Kosambi	Journal of the Oriental Institute, Vol. XVI, no. 1
Shri J. P. Thaker	1 Some Important Vocables from Sanskrit Commentaries on Jaina Canonical Texts (In Collaboration with Dr. B. J. Sandesara)	Journal of the Oriental Institute, Vol. XV, nos. 3-4
	2 भारविनिरूपित महिलावेषः	Prepared for the 8th session of Sanskrit Vishva Parishad at Bangalore, May 1966
Dr. S. D. Parekh	1 बडोदराना मध्यकालीन कविओ	Gujarat-Dipotsavi Issue, November 1966
	2 प्राचीन नगरी दर्भावती	Hindu Milan Mandir, Dipotsavi Issue, November 1966
(2) Books :		
Prof. B. J. Sandesara	इतिहास अने साहित्य A collection of Research papers	Gurjara Grantha Ratna Karyalaya, Ahmedabad

8. Ramayana Department

During the year under report the Critical Edition of the Sundarakanda was published and 96 pages of the Yuddhakanda (sargas 1-16, st. 13) were printed. From St. 14 of 16th Sarga upto Sarga 22 are in proof stage while finally checked press copy upto Sargas 35 are sent to the Press. The press-copy upto sarga 43 was prepared and rough work upto sarga 113 is over. The rough work of Sargas 114-116 (last Sargas of the Yuddhakanda) is under preparation.

Work of editing the Uttarakanda has been already started. Text 1-3 Sargas is constituted by Dr. U. P. Shah, the General Editor.

During the year Dr. U. P. Shah and Shri M. R. Nambiyar were deputed to the Kerala University MSS Library, Trivandrum to examine some rare Ramayana Manuscripts in Malayalam script. After scrutiny they selected some Malayalam MSS. of M4 tradition which agrees with the Northern recension of the Ramayana and obtained 2 MSS. on loan as per the Library rules. These two MSS. are numbered as M5 and M6.

The collation of S2 is practically over. V1.3 are collated upto Sargas 34 and 27 respectively of the Uttarakanda. M5 is collated for the whole Yuddhakanda and M6 which contains only Uttarakanda has been collated upto Sarga 37 of the Uttarakanda.

9. Journal of the Oriental Institute

During the year Vol. XV nos. 3 and 4 and Vol. XVI nos. 1 and 2 were published. 98 subscribers were registered during the year and 242 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 Quarterly Journal 'Svadhya'ya'

The Institute has recently started a new Gujarati Quarterly 'Svadhya'ya'. Nos. 3 and 4 Vol. III and nos. 1 and 2 of Vol. IV were published.

11 Visiting Professors in the Institute

For further development of the Oriental Institute a scheme of inviting Professors was started and the following four lectures on different subjects were arranged in the Oriental Institute during the year :—

Name of the Lecturer	Subject	Date
Dr. Parmeshwarilal Gupta, Curator, Patna Museum, Patna	Early Coinage of Gujarat and its bearing on History of Gujarat	23-1-1967
Prof. Prahlad Pradhan, Prof. and Head of the Post-Graduate Dept. of Sanskrit Utkal University, Bhubaneswar (Orissa)	(1) Asanga and Maha- yanasutralankara (2) Abhidharmasamuccaya and Sthimmatis Com- mentary on it (3) On Abhidharma-Kosa Bhasya.	27-1-1967 28-1-1967 30-1-1967

Besides, Professor Hajime Nakamura, Professor of Sanskrit and Buddhist Philosophy, University of Tokyo, Japan delivered a lecture on 'Indological and Buddhist Studies in Japan' on 11th October, 1966 under the auspices of this Institute.

12. Other Activities and Notable Events

- (1) Dr. B. J. Sandesara presided over the History and Culture Section of the 5th Session of the Gujarat Research Workers Conference held at Vallabh Vidyanagar from 23rd to 28th October, 1966.
- (2) Dr. U. P. Shah is elected as President of the Fine Arts and Technical Science Section for the next session of the All India Conference to meet at Banaras in 1968. He is also the editor of the Journal of Indian Society of Oriental Art, New Series, Volume I and continues to be the Editor for the next volume also.
- (3) Dr. P. M. Modi continued his research work on Brahmasutra during the year under the University Grants Commission Scheme of Utilisation of the services of Retired Teachers.
- (4) The following were some of the distinguished Visitors to the Institute.

Name	Date of Visit
(1) Shri Hiroshi Fakazawa, Lecturer in Economics Hitotsubashi University Tokyo—Japan	16-9-1966
(2) Prof. Dr. G. D. Sontheimer, Heidelberg University, West Germany	28-9-1966
(3) Prof. Hajime Nakamura, Prof. of Sanskrit and Buddhist Philosophy, University of Tokyo, Japan	11-10-1966
(4) His Excellency Shri Bishwanath Das, Governor, Uttar Pradesh	20-10-1966
(5) Shri Narindar K. Agrawal, Asstt. Prof. and South Asian Bibliographer, University of Illinois Library, Urbana, Illinois Library, Illinois	12-12-1966
(6) Dr. H. Von Stietencron, Heidelberg University, Heidelberg (West Germany)	19-12-1966
(7) Mr. Noeyal Peiris, Secretary General, International Centre of Asoka Culture, Colombo-3	19-1-1967
(8) Smt. Hansaben Mehta, Ex-Vice-Chancellor, M. S. University of Baroda, Baroda	30-3-1967

CHAPTER XIX—COLLEGE OF INDIAN MUSIC, DANCE AND DRAMATICS

1. Courses of Studies

The college offers the following courses:

M. Mus.:	Music, Dance, Dramatics
B. Mus.:	Music (Vocal and Instrumental—Sarangi, Sitar, Violin, Dilruba, Tabla), Dance (Bharat Natyam, Kathak), Dramatics
Post-Diploma:	Dancing (Kathak and 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 1966-67 was as under:

(1) Diploma:

Year/Class	Men Students	Women Students	Total number of Students
1st Year	120	105	225
2nd Year	49	59	108
3rd Year	29	42	71
4th Year	20	24	44
5th Year	13	11	24
Total	231	241	472

(2) Degree :

1st Year B. Mus.	4	7	11
2nd Year B. Mus.	2	9	11
3rd Year Jr. B. Mus.	6	3	9
4th Year Sr. B. Mus.	3	6	9
Total	15	25	40

(3) Post-graduate Degree:

Jr. M. Mus.	2	1	3
Sr. M. Mus.	—	2	2
Total	2	3	5
Grand Total	248	269	517

In addition to the above there were 2 non-collegiate students—one at the Post-graduate level and the other at the diploma level.

3. Staff

During the year, the staff consisted of one Professor, 1 Hon. Visiting Lecturer, 3 Readers, 11 Lecturers, 9 Assistant Lecturers, 17 Ustads (Teachers in Music and Dance including part-time teachers), 5 Tabla Accompanists, 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.

The following statement would give 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	5,315	565	36,966
(ii) Number of books added during the year	153	47	2,127
(iii) Number of books withdrawn from the record	—	—	—
Total	5,468	612	41,093

(B) Periodicals:

The total number of periodicals subscribed to is 42; 47 volumes of bound periodicals were added to the stock during the year.

5. Museum, Laboratory, Studio, Workshops etc.

Item	Cost of equipment as on 1-4-1966 Rs.	Cost of equipment etc. written off during the year Rs.	Cost of equipment etc. added during the year Rs.	Cost of equipment as on 31-3-1967 Rs.
Physics Laboratory	1,23,685-15	—	2,644-57	1,26,329-72

6. Literary, Cultural and other activities

The following persons gave lectures under the Scheme of Board of Extra Mural Activities.

(1) Shri Jaysukhlal T. Shah of Bombay delivered a lecture on 'Anga-Bheda and Raga-Bheda' on 26th November, 1966 in the Theory Hall of this College.

(2) Dr. Dhirubhai P. Thaker of Ahmedabad gave a series of two lectures on "Gujarati Nava Natako ane Tenhi Takhta Layaki" on 22nd and 23rd January, 1967.

(3) Dr. A. S. Nagar, Head, Hindi Department, Gujarat University delivered a lecture on "Nayak Nayika Bhed in Chijas of Hindustani Classical Music in Dhrupad Dhamar, Khyal and Thumri etc." on 9th February, 1967, in the Lecture Hall of the College.

7. Co-curricular Activities

(1) Professor Maula Baux Jayanti was celebrated in the College on 30th July, 1966.

(2) The German Language Society arranged a programme of Musical Evening on 17th September, 1966 in the premises of the College. Mr. J. Janson explained the techniques of the use of tapes and records.

(3) The Staff and Students of the College paid an humble tribute on 26th September, 1966 to the deceased Dr. D. G. Vyas who dedicated his valuable life for upliftment and betterment of various fine arts including music, dance and dramatics in general and contributed to the development of the Music College in particular.

(4) Dr. D. S. Kothari, Chairman and Shri K. L. Joshi, Secretary, University Grants Commission visited the Music College on 29th September, 1966. A programme consisting of Shiv-Stuti, Kathak Natya, Jatiswaram, Sitar Vadan, Instruments of Rhythm (Tal Vadya) etc. was arranged for the entertainment of the guests.

(5) The Nat-Ghar of the Dramatics Department presented six shows of each of the plays viz. "Kyare Vahanu Vashe" and "Down Train" in Gujarati during the months October, 1966 to January, 1967.

(6) The 15th Annual Convention of Bharatiya Natya Sangh was organised by the Gujarat Rajya Natya Sangh at this College on 6th, 7th and 8th January, 1967.

(7) Professor Tosar Errecart of Uruguay visited the College on 20th and 21st January, 1967.

(8) The Dramatics Department celebrated the Birth Centenary of Late Shri Dahyabhai Dholshaji on 4th February, 1967. Shri Jayanti Dalal, the well known playwright of Gujarat gave a talk on the life and work of late Shri Dahyabhai. A symposium on 'The Craft of Play-writing' was also organised on the occasion.

(9) The Annual Day of the College was celebrated on 23rd February, 1967 under the Chairmanship of the Vice-Chancellor. He gave away prizes, Diploma Certificates to the successful students. The Ardeshar Dalal Silver Medal was awarded to Kumari Vijaya P. Bajaj who stood first in M.Mus. examination of March/April, 1966.

(10) A Cultural Programme was arranged on 25th February, 1967 to collect funds for the Music College Poor Boys Fund Account.

(11) The Department presented a comedy in three acts—Dhinglo Dhingali on 4th and 5th March, 1967.

(12) The 10th Anniversary of the UNESCO was celebrated by arranging a small exhibition of books, brochures, pamphlets, photos etc. giving a glimpse of the educational, cultural, recreational and developmental aspects of a few countries of the world. The exhibition was kept open from 13th to 15th March, 1967.

CHAPTER XX—BARODA SANSKRIT MAHAVIDYALAYA

1. Courses of Studies

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) Shuddhadwaita Vedanta, (vi) Sankhya Yoga and Vedanta Darshana, (vii) Nyaya and Vaisheshik Darshana, (viii) Purana Mimansa Shastra. Only the first six (i to vi) branches worked during the year under report.

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

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

2. Number of Students

Number of students enrolled in various classes during the year 1966-67 was as under :

	Men	Women	Total
(1) Pratham Kaksha (Certificate)	30	8	38
(2) Madhyam Kaksha Visharad (Diploma)	18	5	23
(3) Uttam Kaksha Shastri	14	2	16
(4) Uttam Kaksha : Acharya	6	—	6
(5) Vachaspati	5	—	5
Total	73	15	88

3. Staff

During the year, the staff of the institution consisted of the Principal, 12 Adhyapakas, 2 Honorary 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 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 1-4-1966)	4,499	15,550-75
2.	Books written off during the year	—	—
3.	Books added during the year	95	477-38
4.	Books as on 31-3-1967	4,594	16,028-13
5.	Journals subscribed during the year	10	94-95
6.	Amount spent on binding during the year	—	—

5. Publications

The annual issue of 'Surbharati' was published in the year 1966-67. Eight teachers of the Sanskrit Mahavidyalaya contributed learned research articles in the issue.

6. Literary, Cultural and Other Activities

(1) Four teachers of the Institute gave extension lectures on—(i) व्याकरणस्य दर्शनत्वम् and (ii) आद्य under the auspices of Shardopasak Mandal.

(2) Four eminent scholars were invited under the Extra Mural Grant of the University and they delivered lectures on—

(i) श्रौतयागस्य महत्त्वम् । (ii) पंचांगनिर्माणे ग्रहलाघवीयगणिते संस्कारापेक्षा । (iii) सीमांसा-शास्त्रोपयोगः । (iv) पाणिनीय स्वरविचारः ।

(3) The Principal gave 5 popular lectures on Upanayana Sanskar, Ancient Culture, Study of Sanskrit, etc. to different learned groups in Baroda.

(4) On invitation from the Institute, Vaidik Samrat Shri Sakham Padhya of Kolhapur District gave a lecture on Vaidik Patrani Prachin Pranalika on 5th August, 1966 to the staff and the students of the Institute.

(5) The Institute also celebrated the Jayantis of Shankaracharya, Vyas, Kalidasa, Geeta and Valmiki on 8th May, 12th July, 23rd October, 23rd December, 1966 and 21st April, 1967.

(6) Sharadotsava was celebrated in the month of October 1966.

7. Co-curricular Activities

(1) An elocution competition in Sanskrit was arranged on 8th February, 1967 for the award of Shri Abhinav Sacchidanand Tirthaji Maharaja of Dwarka Shardapeeth Medal.

(2) A Sanskrit Kavi Sammelan was organised in the Institute on 11th March, 1967 under the Presidentship of Shri B. K. Shastri, Hon. Adhyapaka

in Shuddhadwaita Vedanta Darshana. A number of leading Sanskrit poets of Baroda participated in the Sammelan.

8. Other Important Events

(1) The Annual Day was celebrated on 10th February, 1967 under the presidentship of the Vice-Chancellor Dr. C. S. Patel. Prizes, Medals and Certificates were distributed to the successful students of the Institute. Smt. Bhanumati Chimanlal Parikh Gold Medal was awarded to Shri U. H. Shukla who stood first in the Acharya Examination.

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

(i) Rs. 5,000 from Shri Sheth Himatlal Ranchhodji Thakkar of Bajuwa for the teaching of Sankhya Yoga and Shankar Vedanta at the Shastri and Acharya levels. He was given Ashirvachana on the Annual Day Function for this august donation.

(ii) Rs. 5,000/- from the Nathdwara Temple Board for the Teaching of Shuddhadwaita Vedanta Darshana at the Shastri and Acharya levels.

(iii) Rs. 500/- from Sheth Shri Hansraj Pragji Thackersey Educational Trust, Bombay for giving additional stipends to the successful students in the Terminal examination.

(iv) Sheth Shri Amritlal Ravjibhai Parikh who was the Chief Guest at the Annual Day Celebration declared a donation of Rs. 1,001/- for raising the fund of Prize Distribution Ceremony. The expenditure on Annual Day Celebration would be met every year from the interest of the fund.

(3) Shuddhadwaita Vedanta Course was started in the first year of Acharya Class; Sankhya Yoga Shanker Vedanta was introduced in the Second year of Shastri Class.

(4) Mr. Hajime Nakamura of the University of Tokyo (Japan) and Dr. H. P. Schmidt of the University of Tubingen (Germany) visited the Institute during the year under report.

CHAPTER XXI—PREPARATORY UNIT: ARTS & COMMERCE

1. Courses of Studies

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

2. Number of Students

The Number of students enrolled in different classes at the commencement of the year 1966-67 was as under :

	Men	Women	Total
Preparatory Arts	324	387	711
Preparatory Commerce	531	91	622
Total :	855	478	1,333

3. Staff

There are on the staff of the Unit a Head, 5 Class III and 6 Class IV servants. The teaching work is shared by the teachers of the Faculties of Arts, Commerce, Science and the Department of General Education. About 50 teachers from the various departments participated in Preparatory work running from 2 to 4 periods per week.

4. Library

The library of this Unit has been amalgamated with the main University Library. New books are being added every year to the extent of Rs. 1,000/-. Books are selected particularly suited to the capacity of the Preparatory student, in English, Indian Languages, Social Studies and Science. Reading-room and facilities of the Library Room are also made available in the General Education Centre.

5. Co-curricular Activities

(1) Sports :

The Unit Association arranged the annual competitions in Table Tennis and Cricket. The Winners of these competitions were awarded prizes. A few students also participated in the indoor and outdoor sports at Inter-Faculty Competitions and University Week festival items. The Hockey Team of the Preparatory Unit made a remarkable performance at the Inter-Faculty Tournaments and won the "Hockey Cup". Some of the girls of this Unit contributed a great deal at the Inter-College Tournaments played at Indore and secured Second rank.

(2) *Debates and Literary activities.*

(i) A competitive debate was held in the month of September, 1966 with the students of F. Y. Home Science. Five students participated in the debate. Kum. Janki Desai made a good performance.

(ii) Swami Chinmayanandaji gave an address to students on "Science and Religion".

(iii) At the end of the term, Professor Alvin Loving showed a film on the life of Negroes in the U. S. A.

6. *Other Events*

The academic year began with the Orientation Programme for the fresh students admitted to the Preparatory courses. The Programme was arranged in groups on different important topics in which staff members from the various University departments were invited to address the students. Lectures on the importance of the Medical check up and personal hygiene were arranged for the students of Preparatory Unit when Dr. T. V. Patel, Convener, Medical Examination Board, Dr. M. H. Tailor, Medical Officer, Professor G. G. Dadlani, Dean, Faculty of Social Work, Shri B. K. Naik, Director, Physical Education Department addressed the students. This was followed by the detailed Medical Examination of all Preparatory students.

Musical evening and garba competitions were organised during the first and second term. The students also collected funds for the Famine Relief Fund of Bihar and Panchmahals.

CHAPTER XXII—PREPARATORY UNIT—SCIENCE

1. *Courses of Study*

The Preparatory Unit for Science provides instructions in Preparatory Science course of a year's duration.

2. *Number of Students*

During the year there were 876 men students and 156 women students. The total number of students was 1,032.

3. *Staff*

No separate staff is appointed for this Unit but teachers from different departments in the Faculties of Arts and Science and the General Education Department engage classes in 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 session, an orientation programme was arranged in the auditorium of the General Education Centre. Professor A. R. Chavan, Professor N. S. Pandya, Professor U. N. Singh, Dr. H. J. X. Fernandez and Dr. B. G. Desai participated in the programme from 22nd to 25th June, 1966.

(2) Members of the Medical Examination Board of the M. S. University of Baroda gave lectures on the importance of Medical checkup and personal Hygiene to the students of Preparatory Unit—Science as per the programme mentioned below in the Auditorium of the General Education Building.

(3) A Lecture on "space research" with demonstrations was arranged on 17th August, 1966 in the Auditorium of the General Education Building.

(4) Sjt. Swami Atmanandji of Vivekanand Asharam, Raipur (MP) addressed the students on 29th September 1966 in the Auditorium of the General Education Building.

(5) A special film show of educative value was arranged on 15th February, 1967. The following films (in Technicolour) were shown :—

(i) Gas Pressure and molecular collisions, (ii) Gases and how they combine, (iii) Nitric acid and (iv) Atom as viewed by Quantum Mechanics.

6. Co-curricular Activities

(1) Students of the Unit participated in the Inter-Faculty events arranged by the M. S. University Students Union and won some prizes.

(2) Two boys and one girl from this Unit were selected to represent the University Teams in Inter-University Hockey Tournaments for Men and Hockey Tournament for Women held at Gwalior and Mysore respectively. One boy was also selected in the Baroda City Basket Ball Team to participate in the Basket Ball competition arranged at Baroda by the Gujarat State Basket Ball Association.

(3) The students organised a Cultural Evening Programme on 4th September, 1966.

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

1. Courses of Studies

There was provision for the following courses during the year :

- (i) Preparatory Course—Arts and Commerce
- (ii) First Year Degree Course—Arts and Commerce.

2. Number of Students

The number of students enrolled in the different classes at the commencement of the year 1966-67 was as under:

Class	Men	Women	Total
(1) Preparatory Arts	53	11	64
(2) Preparatory Commerce	79	2	81
(3) F.Y.B.A.	17	13	30
(4) F.Y.B.Com.	20	—	20
Total:	169	26	195

3. Staff

During the year the staff of the College consisted of one Head, one Lecturer, four Assistant Lecturers, four Class III and four Class IV employees and one part-time puggy. Over and above the teaching staff attached to this institution, teachers of the Faculty of Arts, Faculty of Education and Psychology and the Department of General Education were deputed to engage classes at this College.

4. Library

The College has a separate library. It received a grant of Rs. 4,000/- for books and Rs. 1,000/- for periodicals from the University.

The following statement gives the details of acquisitions by the College Library:

	Books	Periodicals
Number at the beginning of the year	251	27
Number added during the current year	431 (Purchased) 104 (Loan from University Library)	18
Total at the end of the year	786	45

5. Co-curricular Activities

(1) N.C.C. :

As the N.C.C. training has been made compulsory for the male students admitted to this College, a special arrangement was made by the N.C.C. authorities to train 191 Cadets at Padra College. An N.C.C. parade was arranged on 15th August, 1966 and the Head of the Institution took the Salute. Major M.A. Pandya was the Chief Officer-in-charge. A joint N.C.C. parade of the College and High School cadets of Padra was arranged on the Republic Day 26th January, 1967 when Professor V. Y. Kantak, Dean, Faculty of Arts, was the Chief Guest.

(2) Sports :

Arrangements for different games like Badminton, Table Tennis, Volley Ball, Foot Ball, Carom, Cricket, Ring etc. were made for the students by the "Students Association" during the year. An interesting cricket match was arranged on 12th October, 1966 between the students and the staff.

(3) Debate :

A debate competition was held on 23rd September, 1966 on the subject 'Democracy in India'. Shri M. T. Shah of Preparatory Arts was declared the best speaker.

6. Cultural Programme

The annual day of this college was celebrated on 23rd February, 1967. Professor L. B. Shah, Dean, Faculty of Technology and Engineering, Baroda was the Chief Guest.

7. Other Events

The following extension lectures were arranged during the year :

<i>Name of the Lecturer</i>	<i>Date</i>	<i>Subject</i>
Shri K. C. Mehta, Reader in Accounts, Faculty of Commerce	29-6-1966	Current Economic Problems
Dr. R. N. Mehta, Head, Department of Archaeology	1-7-1966	General Talk on Archaeology in Gujarat
Dr. R. M. Patel (Anami), Reader in Gujarati	18-8-1966	Mangal Pravachan
Professor B. J. Sandesara, Head, Department of Gujarati	26-9-1966	Life and Literature
Shri R. P. Bhatt, Lecturer in Dramatics	23-2-1967 24-2-1967	Drama in Education, Drama as Group activities. Fundamentals of the Art of Action Direction & Production

CHAPTER XXIV—POLYTECHNIC

1. Courses of Study

The Polytechnic offers the following Diploma Courses in Engineering :

<i>Name of Courses</i>	<i>Duration</i>	<i>Sanctioned Number of admission</i>
Diploma in Civil Engineering	3 years	120
Diploma in Mechanical Engineering	3 years	150
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 :

	<i>Men</i>	<i>Women</i>	<i>Total</i>
<i>First Year Diploma</i>			
Civil Engineering	113	4	117
Mechanical Engineering	220	2	222
Electrical Engineering	124	2	126
Total:	457	8	465
<i>Second Year Diploma</i>			
Civil Engineering	84	2	86
Mechanical Engineering	190	1	191
Electrical Engineering	107	1	108
Total:	381	4	385
<i>Final Year Diploma</i>			
Civil Engineering	66	1	67
Mechanical Engineering	254	1	255
Electrical Engineering	158	—	158
Total:	478	2	480
Grand Total:	1,316	14	1,330

3. Staff

During the year under the report the staff of the Polytechnic consisted of 1 Principal, 3 Readers, 24 Lecturers, 29 Senior Instructors, 20 Junior Instructors, 7 Assistant Lecturers, 56 Class III and 54 Class IV servants.

4. Library

Acquisition Notes :

(1) Books :

Books and Periodicals were purchased from the recurring grant of

Rs. 12,000/- and Rs. 5,820/-. The following statement gives the details of acquisition of the Polytechnic Library during the year :

	<i>Books and Bound Periodicals</i>	<i>Total value in Rs.</i>
Number at the beginning of the year	7,840	1,28,986-03
Number added during the year	1,752	14,817-41
Number withdrawn from the record	—	—
Number remaining at the end of the year	9,592	1,43,803-44

(2) *Periodicals :*

The total number of periodicals subscribed to now stands at 82. The total amount spent for the subscription of periodicals is Rs. 2,997-18 out of the total grant of Rs. 3,000/- for periodicals. The total amount spent for binding is Rs. 1,269-20 out of the total grant of Rs. 1,300/- for binding.

The figures on the use of the Library were as under :

Daily average number of readers making use of the Library 240

Daily average number of Books issued to the readers for home reading 135

5. **Laboratories and Workshop etc.**

Out of the amount of Rs. 10,82,000 sanctioned by the University Grants Commission for equipment, furniture and books, Rs. 653-45 P were spent during the year under report and the total amount spent from this grant upto the end of the year is Rs. 10,77,775-53 P.

6. **Publication by the members of the staff**

(1) *Books :*

<i>Name of the Author</i>	<i>Title of the book</i>	<i>Name of the Publishers</i>
Sarvashri S. C. Sheth & S. G. Desai	Principles of Electricity	Acharya Book Depot, Baroda
Shri T. D. Bhagia	Elements of Materials and Structures	Bindoo Book Stall, Baroda, July 1966
Shri A. M. Shah	Elementary Electronics	Bindoo Book Stall, Baroda, August 1966

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 Diploma Classes took part in the seminars. Students prepared and read papers on a selected theme relating to the subject of

their studies and actively participated in the discussions. The teachers of the Polytechnic also took keen interest in the various activities of the students.

The Polytechnic Day was celebrated on 19th December, 1966. Shri K. N. Sundaram, Deputy Educational Adviser (Tech.) to the Government of India, Ministry of Education, Western Regional Office, Bombay, was the Chief Guest at the occasion.

8. **Co-curricular Activities**

(1) *Exhibition of Educational Films :*

The Polytechnic has one 16 mm Bell and Howell Sound Projector and one Epidiascope for screening films, film-strips and slides as well. Seven film shows were arranged to supplement class room teaching and also to promote the general knowledge of students.

(2) *Co-operative Store :*

The working of the 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. **Other Important Events :**

(1) As per the scheme of the Government of India, the Extended Diploma Courses in Civil, Mechanical and Electrical Engineering, each of four years' duration, were started in the Polytechnic from 10th December, 1963. The sanctioned intake of admission is 100 students *i.e.* 20 in Civil, 40 in Mechanical and 40 in Electrical Engineering. This year the courses have been fulfilled.

CHAPTER XXV—SHRIMATI HANSA MEHTA LIBRARY

1 Acquisition Notes

(1) Books

The University Grants Commission sanctioned a basic grant of Rs. 2 lakhs for purchase of books and journals for the Fourth Five Year Plan period out of which Rs. 1,40,000 are allocated for Science Departments and Rs. 60,000 for Humanities and Social Science Departments. These grants are 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., The Atlas of Britain and Northern Ireland ; Das Pflanzenreich Rogni Vegetabilis Conspectus ed. by A. Engler and L. Diels, Vols. 1-107, 1957-1965; Dictionary of Organic Compounds, 4th rev. and enl. ed. 1965, 5 Vols.; The Churchill Years, 1874-1965; Nimrud and its remains by M.E.L. Mallowan, 2 Vols.; India. Ministry of Education : Report of the Education Commission, 1964-66; Gujarat (State) Department of Archaeology; The Embroidery and Bead work of Kutch and Saurashtra ; The McGraw-Hill Dictionary of Modern Economics; The Gazetteer of India, Vol. 1, Country and People.

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

<i>Institution</i>	<i>Number of Books</i>
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)	3,750
Department of General Education and Preparatory Unit.	326
Faculty of Technology and Engineering	2,555
Faculty of Fine Arts	347
Chetan Balwadi	91
Faculty of Social Work	240
College of Indian Music, Dance and Dramatics	153
Oriental Institute (Printed Section)	720
Polytechnic	1,752
Sanskrit Mahavidyalaya	95
Centre of Advanced Study in Education	376

<i>Institution</i>	<i>Number of Books</i>
Baroda Michigan Project	43
M. K. Amin Arts and Science College and College of Commerce, Padra	436
Total:	10,884

Out of these books 1,503 were received as gift.

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

	<i>Books</i>	<i>Bound vols. of periodicals</i>	<i>Pamph-lets</i>	<i>Manu-script</i>	<i>Maps, Charts, etc.</i>	<i>Total Value in Rs.</i>
Number at the beginning of the year	2,12,586	22,908	11,505	248	720	32,20,501-10
Number added during the year	10,824	635	1,470	—	3	1,00,258-49
Number with-drawn from the records	104	—	325	—	—	911-95
Number remain-ing at the end of the year	2,23,306	23,543	12,650	248	723	33,19,847-64

(2) Periodicals:

In view of the increase in the subscription cost of the periodicals due to devaluation, the number of periodicals subscribed to has been reduced to 890 as against 1,429 during the last year.

2. Cataloguing

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

(A) Books classified and catalogued during the year.	
(1) New accessions to University Library	3,378
(2) New accessions to the Faculties	7,503
(3) Gifts	1,000
(4) Baroda Collection	10,000
(5) S.E.O. Training Centre, Samiala	2,500
Library	
Total	24,381

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

	For University Library	For others	Total
(1) Cards typed	8,445	49,515	57,960
(2) Cards filed in the catalogue	8,445	49,515	57,960

3. Circulation of Books, etc.

As usual the working hours of the library for the whole academic year i.e. from April 1966 to March 1967 (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 1966 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 are also displayed in the reading-room. It remained open throughout the academic year including Sunday and holidays.

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

(1) Post-graduate students	1,231
(2) Undergraduate students	6,399
(3) Research students, Scholars and Research Assistants	112
(4) University teachers	717
(5) Others	542
	<hr/> 9,001

The figures of the use of the library are given below :

(1) Daily average number of readers visiting the Library	2,100
(2) Daily average number of readers visiting the Reading-room of the Central Hall of the Baroda College Building	450
(3) Total number of books issued per day for reading :	1,281
(i) Average number of books issued per day for home-reading from general collection.	332
(ii) Average number of books issued per day from Curricular Section.	321

(iii) Average number of books issued per day from Central Hall.

(iv) Average number of books issued per day for reference.

(4) Average number of books issued per reader in the year

269

359

42

4. Reference Section

(1) Exhibitions :

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

(i) An exhibition of U.N. and UNESCO publications was arranged in the Library from 19th to 21st December, 1966.

The UNESCO Information Centre was started this year in the University Library under Reference Section.

(ii) The prize-winning books of the Gujarat State were exhibited for the information of the readers.

(iii) Coloured photographs along with the books on history of Japan were exhibited.

(iv) "Background to a Democracy"—a set of pictures issued by the Central Office of Information, London, received a very good attention of the readers during the National election days.

(v) Coloured photographs of the "London West end market" were exhibited in the library.

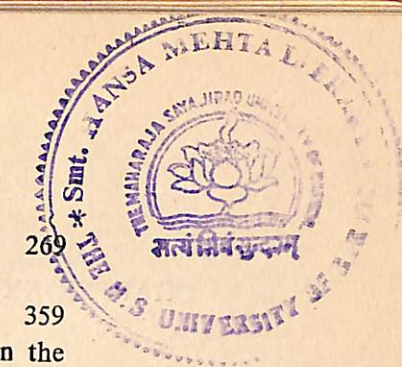
Besides these, selected new books were displayed every week in the University Library.

(2) Bibliographical Activity :

The following bibliographies were compiled during the year: (i) A list of books, reports etc. on women education in India, available in the University Library, (ii) A list of books on "Ports, Shipping and Transport," available in Smt. Hansa Mehta Library, (iii) A bibliography of the periodical literature on Oscar Wilde indexed in the volumes of the "International Index to Periodicals" as well as a list of books written by and on Oscar Wilde, available in the University Library, were prepared. A supplement to Catalogue of Periodicals, 1962-66 was prepared this year.

5. Other Activities

Shri H. C. Mehta, Officiating University Librarian, attended the First National Seminar of University Librarians held at Rajasthan University from 16th to 19th November, 1966 and submitted three papers. He also attended the Seminar on *Workflow in Libraries* held at INSDOC, New Delhi, from 21st to 24th November, 1966 and submitted a paper on "Book Selection Procedure in a University Library".



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 35 permanent workers in the Press.

2. Machinery

The Press has machinery worth about Rs. 1,96,014 including machines worth Rs. 1,19,350 purchased from the grant of the University Grants Commission and the State Government.

3. Printing Activities

During the year, 992 plus 173 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. It has been decided that the University Press will work exclusively for the University publications, magazines, stationery, printed forms etc. as a Service Department and will not undertake printing of any outside new works from 1st April, 1967.

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

Name of the Book	Publisher
1 Shrimad Bhagawat Geeta, Part I	Oriental Institute
2 Gujarat Sthalnam Samsada Vya-khyana Mala	Oriental Institute
3 Adhunik Gujarat na Santo	Oriental Institute
4 Prachin Fagoo Sangraha	Oriental Institute
5 Gankarika (G.O.S. 15)	Oriental Institute
6 Pad Index of Ramayana, Vol. II	Oriental Institute
7 Ramayana Critical Edition, Vol. V, Sundarkand (Vol. VI, Yuddha-Kand is in progress).	Ramayana Department
8 Samarangana Sutradhara (Vastoo-shastra)	Oriental Institute

Name of the Book	Publisher
9 Arathik Ayojana	Oriental Institute
10 Excavation at Shamalaji	Faculty of Arts
11 Geography Research No. 3	Faculty of Science
12 Statistical Summary of Medical Examination Reports of the Students (1962-63)	Faculty of Science
13 Investigation into the Academic Causes of Backwardness in Social Studies at the Elementary Stage Classes I-VII	Centre of Advanced Study in Education
14 Education of the Backward and the Gifted Children	Centre of Advanced Study in Education
15 Investigation into the Academic Causes of Backwardness in Mathematics at the Elementary Stage Classes I-VII	Centre of Advanced Study in Education
16 Introducing Children to Reading in Gujarati	Centre of Advanced Study in Education
17 Investigation into the Causes of General Backwardness at the Elementary Stage Classes I-VII	Centre of Advanced Study in Education
18 An Investigation into the Causes of Backwardness in Learning Gujarati in the Primary School	Centre of Advanced Study in Education
19 English words assimilated into the Gujarati Language	Centre of Advanced Study in Education
20 Research Monograph-Construction and Validation of an Adequate Inventory for the Study of Maladjustment	Centre of Advanced Study in Education
21 Research Monograph-Construction of a University Entrance Test for Prognostic Purposes	Centre of Advanced Study in Education
22 Problems of Indian Democracy	General Education Centre
23 B.O.D. Moderator	Summer School in Public Health Engineering

<i>Name of the Book</i>	<i>Publisher</i>
24 Introduction on the Preservation of Paintings	Department of Museology
25 Researches in Child Development Marriage and Family Relations done in Indian Institutions of Teaching and Research	Faculty of Home Science
26 Problems of Adolescent Girls in Gujarat State	Faculty of Home Science
27 Some Problems of Education in Gujarat State	Faculty of Education and Psychology
28 Economic Development and Social Changes in a South Gujarat Village	The M. S. University of Baroda
29 Handbook Part III (Medicine)	The M. S. University of Baroda
30 Handbook Part III (Science)	The M. S. University of Baroda
31 Seventeenth Annual Report	The M. S. University of Baroda

(2) The following seven 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

During the year, stationery worth Rs. 1,38,898 was purchased and stationery worth Rs. 1,47,235 was distributed.

5. University Publications Sales Unit

The total sale of books during the year was Rs. 56,689.

CHAPTER XXVII—THE MAHARAJA SAYAJIRAO UNIVERSITY UNION

During the Academic year 1966-67, Dr. B. G. Desai and Shri R. D. Pandya continued to be the President and the Treasurer respectively of the Union.

The elections were held on 15th July, 1966 in all the Faculties and Institutions. In all there were 28 representatives of the Faculties and Institutions. The posts of the Vice-President and the General Secretary were filled up by direct elections. Shri Ashok K. Patel was elected as Vice-President and Shri Ashwin C. Shah as General Secretary.

The following Executive Committee was formed for the year 1966-67:

1. Dr. B. G. Desai,	President
2. Shri R. D. Pandya,	Treasurer
3. Shri Ashok K. Patel,	Vice-President
4. Shri Ashwin C. Shah,	General Secretary
5. Shri Bhailalbbai C. Contractor	} Members appointed by the Syndicate
6. Smt. Bhanuben Patel	
7. Kum. Kumudben Patel	
8. Shri Mahendra Patel	
9. } to } 37. }	Faculty Representatives

The following members were nominated on the different Committees of the University by the Executive Committee:

1. University Board of Sports	1. Shri Gnanesh A. Desai
	2. Shri Mangaldas C. Patel
2. University Poor Students Aid Fund	1. Shri Ashwin C. Shah
	2. Shri Prakash A. Shah
	3. Shri Manoj R. Patel
3. University Students' Welfare Board	1. Shri Ashok K. Patel
	2. Shri Ashwin C. Shah
	3. Kum. Saleha S. Rizvi

2. Activities of the Sub-Committees

The M. S. University Union Executive Committee formed Sub-Committees for various activities keeping in view the aims and objectives laid down in the constitution of the Union. Sectional Secretaries were also elected for the work of the Sub-Committees. The activities carried out by each of the Sub-Committees are as under :

(1) *Discussion Group*

The Group organised discussions on the following subjects of interest to the students as well as the staff members of the University.

- (i) Higher education should be open for men only
- (ii) Ideals of Gandhism are neither practicable nor desirable
- (iii) Cow slaughter should be banned
- (iv) Students of today are the liability of the Nation

(2) *Poor Boys Library*

The Union purchased books worth about Rs. 6,500 for the Library. This year more than 450 students took advantage of the Library.

(3) *Reading Room and Library*

The Union subscribes to the daily newspapers, weekly and monthly magazines, etc. for use by the students in the Union. During the month from February to May, reading facilities are provided to the students. The response from the students residing in different halls of residence was encouraging.

(4) *Debating Society*

The Society organised a number of debates on the interesting subjects during the year. A class was started to train up the promising talents in the art of debating.

(5) *Emester*

Five Issues of the Emester were brought out during the year.

(6) *Social Service Camp*

About 10 to 12 students of the Faculty of Technology and Engineering went to Umarva and constructed a road. Some students of this University visited the famine affected areas in Bihar and rendered service to the people there. Medicine, clothes, food etc. were distributed among the people there.

(7) *Badminton Committee*

The Badminton activities went on vigorously and a good number of the students availed of the facilities. University Badminton player, Shri Rajani Patel, won consecutively for the sixth time the Gujarat State Badminton Tournament and retained the Championship. Shri Ashok Diwan became the Runner-up of the Gujarat State Open Badminton Tournament. The University team was sent to participate in the Inter University Badminton Tournament and it came up to the semi-final position. The University Open Badminton Tournaments were held in the month of December 1966. Shri Ashok Diwan won the Championship and Shri Rajani Patel was the Runner-up.

(8) *Indoor Games : (Table-Tennis)*

Open University Table Tennis Tournaments were held in the month of December. Shri Uday Chande and Kumari Sunanda Panse carried away the Championship.

(9) *Hiking Club*

The Hiking Club organised a Cycle Trip to Pavagadh and Nalsarovar in the month of September and December respectively. The Mountaineering Training Camp was organised by the Gujarat State at Mount Abu. 31 students participated in this camp. Kumari Surma Amin and Kumari Yashshree Shambekar participated in the Mountaineering Camp at Darjeeling and Kumari Purnima Patel at Manali.

(10) *University Week*

The Union organised Inter-Faculty Youth Festival between 18th to 22nd December, 1966. The faculties participated in competitive cultural programme with enthusiasm. The programme passed through peacefully without any incident of disturbance.

3. *Other Events*

(1) Dr. D. S. Kothari, Chairman, University Grants Commission visited the Union in September, 1966 and the discussions with the individual members of the Executive regarding the activities of the Union. He carried good impressions of the Union's activities and the sense of discipline and responsibility displayed by the students of the University.

(2) Shri Balraj Sahani visited the Union in November, 1966 and addressed the students on the subject "Youth and Culture".

(3) A delegation of students under the programme of International Living came to the Union Pavilion and exchanged their views on students' problems in India and other countries with the Union Executive Committee members.

(4) Dr. B. G. Desai worked as Secretary of the UNESCO 20th Anniversary Committee. He attended USEFI Conference at New Delhi.

(5) Shri R. D. Pandya and Shri Ashwin Shah were deputed to attend the National Executive Committee of WUS at New Delhi as representatives of the Union.

CHAPTER XXVIII—GENERAL EDUCATION CENTRE

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 naturally 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 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 advised 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 met in the General Education Centre. The General Education Centre constructed and equipped with the Ford Foundation Grant of \$ 4,36,000 has come 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 during the year under report 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 :

<i>Sr. No.</i>	<i>Faculty and Class</i>	<i>Total Number of Students</i>
(1)	<i>Faculty of Arts :</i>	
	F.Y.B.A.	599
	S.Y.B.A.	460
(2)	<i>Faculty of Science :</i>	
	Pre-Medical	124
	F.Y.B.Sc.	314
	S.Y.B.Sc.	219
(3)	<i>Faculty of Commerce :</i>	
	F.Y. B.Com.	481
	S.Y. B.Com.	377
(4)	<i>Faculty of Technology and Engineering :</i>	
	F.Y. Engineering	440
(5)	<i>Faculty of Fine Arts (including College of Indian Music, Dance and Dramatics) :</i>	
	Second Year	20
	Third Year	22
(6)	<i>Faculty of Home Science :</i>	
	Second Year	140
	Third Year	150
	Total :	3346

This does not include about 2500 students of the Pre-University year who take compulsory core courses in English language, Indian literature, Social Studies and Science.

5. General Education Courses

The following are the General Education Courses for the year :

1. Humanities (which included literature and art appreciation).
2. Story of Human Civilization.
3. On Values of Life.
4. Social, political and economic problems of India.
5. Science on its impact of life.

These Courses were distributed over two years in the various faculty classes. Every student at the Under-graduate level had to offer the above five General Education Courses out of which three were for University Examination. In the case of two there was no examination but attendance was compulsory.

6. Teaching Staff

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

7. Library

The Library has a stock of about 2,000 books on General Education at a cost of Rs. 8,500 approximately.

8. Interest in General Education

During the year under report, there was an improvement both in attendance and performance even in those courses where there was no examination at all. A large number of students participated in the Art Studio Programme and Clay-Work, or Painting.

9. Other Events

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

(2) The General Education Centre supplied information on the General Education Programme and its implementation to various Universities and Institutions.

CHAPTER XXIX—STUDENT'S 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 for another 200 men students in University owned buildings. There was no hostel accommodation for women students. At the end of the year 1966-67, there were ten Halls for Men and four Halls for women students. 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 too less, attempts were made to accommodate as many students as possible. Even then the demand for Hostel accommodation is so great that the construction of new Hostels for boys is an urgent necessity.

At the end of the year under report, 2,020 men students and 769 women students were in residence in the different Halls as against 1,912 men students and 717 women students at the end of the previous year. The break up of these students by Halls and Institutions is given in Appendix X.

Administration of the Halls was carried on with the advice of the Advisory Committee of the Halls of Residence and of the Warden's 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 to inspect sanitation and the messes.

As usual, Cultural and Social activities were organised by the following Committees of each Hall :

(1) Food Committee, (2) Sports Committee, (3) Entertainment and Debate Committee, (4) Reading-room and Library Committee, (5) Health and Sanitation Committee.

Meetings and talks were arranged and musical and social evenings were organised. Games, tournaments and debates were held in different Halls and Inter Hall games and tournaments were also held during the year.

National days like Independence Day, Republic Day, Health Day etc. were also celebrated.

2. University Health Centre

During the year, the 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 the students in alternate year by the Medical Inspection Board in S.S.G. Hospital. During the year, out of total 7,133 students scheduled for examination, 4,410 (61.82%) reported for medical check up. Out of these 4,410 students, 2,238 (50.29%) students were recommended follow-up advice and treatment for various disorders. Miniature chest X-ray examination of these students showed 15 cases of Pulmonary tuberculosis out of which 3 cases were of healed lesions; 2 cases of heart disease (1 Mitral disease, 1 Atrial septal defect); and 1 case of Transposition of the Viscera. All these cases are followed up at the Health Centre.

Out of 150 mess servants examined, 55 servants showed evidence of various parasitic infections and they were treated. Fluoroscopic chest examination did not reveal any abnormality.

During the year, 18,101 cases were attended to at the Health Centre. Out of these, 7,046 (38.9%) were from the members of the staff and their families and 11,055 (61.1%) were from the students. The daily average attendance was 49.05. The total number of laboratory investigations such as stool, urine and blood examination were 879 and total number of fluoroscopic examination was 300 and X-ray examination of chest, bones etc. was 59.

Publication

Name of the Authors	Title	Name of the Journal and month of Publication
Dr. M. H. Tailor, M.D.	Pulmonary Function studies in University students	Journal of the Medicine and Surgery, Vol. VII, No. 1, January 1967, pp 27-37
Dr. B. T. Dave, M.D., M.R.C.P. (E)		
Dr. M. G. Amin, M.Sc., M.B.B.S.		
Dr. N. M. Bhatt, M.Sc., Ph.D.		
Dr. T. V. Patel, M.D.		

3. Physical Education Department

(1) Staff:

The Director of Physical Education, four Physical Instructors, two Lady Physical Instructors, three Swimming Trainers and one Boating Trainer.

(2) Auxiliary Cadet Corps:

A.C.C. Training was imparted to 783 Women Students and 234 Men Students by the Physical Instructors and the Lady Physical Instructors.

(3) Major Games:

Cricket, Tennis, Hockey, Football, Volleyball, Basketball, Kho-Kho, Throwball and Netball were organised and conducted by the Instructors and the Officers in charge of Games.

(4) Swimming and Boating:

In Swimming 677 members and in Boating 111 members were imparted training by the Swimming Trainers and the Boating Trainer respectively. 1,636 paid guests also took advantage of the Swimming Pool. Annual Swimming and Boating Competitions were also held.

(5) Tournaments and Competitions:

Cricket, Hockey and Basketball Teams participated in the League Tournaments held in Baroda. The Badminton team participated in the Gujarat State Badminton Championship. Shri R. R. Patel (Captain of the team) won the Championship.

(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, and by Coaches appointed to give special training to Cricket and Kho-Kho (Men and Women) teams.

(7) Inter-University Tournaments:

University Cricket, Hockey (men and women), Basketball (men), Badminton (men), Tennis (men), Kho-Kho (men and women) and Shooting Teams were sent to participate in the Inter-University Tournaments.

Badminton team (men) defeated Udaipur and Poona Universities but lost to Bombay in the West Zone finals. Hockey team (men) defeated Indore University but lost to Jabalpur. Kho-Kho team (women) defeated Vikram, Poona and Nagpur Universities but lost to Indore in the finals.

Under the auspices of this University the All India Inter-University Kho-Kho Tournament (men) was organised and conducted on the Union Pavilion ground at Baroda from 5th to 9th January, 1967. 16 Universities participated

in this Tournament. In the finals the M. S. University of Baroda Team defeated the University of Poona team by only 1 point and won the Championship.

(8) *Inter-Faculty/Institution Tournaments :*

<i>Tournaments</i>	<i>Winners</i>	<i>Runners-up</i>
(i) Cricket	Faculty of Commerce	Polytechnic
(ii) Hockey	Preparatory Unit	Faculty of Law
(iii) Basketball	Faculty of Science	Faculty of Technology and Engineering
(iv) Tennis	Faculty of Technology and Engineering	Faculty of Commerce
(v) Table Tennis	Faculty of Technology and Engineering	Preparatory Unit, Science and Engineering

(9) *Individual Championships :*

<i>Activity</i>	<i>Winner</i>	<i>Faculty/Institution</i>
(i) Badminton	A. V. Diwan	Science
(ii) Tennis	A. S. Sharma	Technology and Engineering
(iii) Table Tennis	P. N. Bendre	Technology and Engineering
(iv) Athletics	U. J. Patel	Preparatory Unit, Arts and Commerce
(v) Swimming	V. B. Solanki	Commerce
(vi) Boating	B. Bhavsar	Polytechnic

(10) *University Annual Sports :*

As a part of the 16th University Youth Festival Annual Sports were held on the Union Pavilion Ground from 21st to 23rd December, 1966. Students from various Faculties and Institutions participated in Track and Field Competitions.

(11) *Participation in National Championships :*

- (i) Seven Members of the University Cricket team played for the Baroda Cricket Association in the Ranjit Trophy Cricket Tournament.
- (ii) Shri S. P. Gaekwad and Shri A. L. Fernandes played for the Combined Universities Team against the West Indies Team. Shri S. P. Gaekwad was the Captain of the Combined Universities Cricket Team.

- (iii) Shri A. L. Fernandes played for the West Zone in the Universities Inter-Zonal Vizy Trophy Cricket Tournament.

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.
- (11) 2nd Gujarat Naval Unit N.C.C.

The total number of cadets in the various Units was 6,529 (6,158 men and 371 women).

A report of the activities carried out is given below :

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

The strength of the Unit is 8 N.C.C. officers and 1,385 cadets of different Faculties and Institutions of the University.

Annual Training Camp for the Senior Division cadets was held at Bajuva from 1st to 11th November, 1966 in which 5 Officers and 745 cadets participated. Annual Training Camp for Junior Division cadets was also held at Bajuva from 23rd to 31st October, 1966. It was attended by 4 Officers and 142 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	30	25	83.33%
2. 'C' Certificate	3	3	100%

Three cadets were attached to Regular Army Unit at Meerut Cantt. with the Dogra Regiment Centre for one month. One cadet was deputed to Kodai-kanal for Advanced Leadership Course. Three cadets attended the All India Summer Training Camp at Kotagiri. Two cadets attended the Republic Day Parade at Delhi. Annual day function was held on 7th February, 1967. Large number of cadets including the old ones attended the function.

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

The strength of the Unit is 5 N.C.C. Officers and 371 Girl cadets. The training to the cadets has been carried out satisfactorily within the available means. Efforts have been made to develop personality, self reliance and to build up physique and character of the girl cadets. Attendance at the Parade was satisfactory. Annual Training Camp was combined with 6th Gujarat Girls Battalion N.C.C.

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

The actual strength of the Unit is 2 Regular Officers, 3 Part-time Officers and 540 cadets against the authorized strength of 2 Regular Officers, 3 Part-time Officers and 400 cadets.

Annual Training Camp was held at Makarpura from 24th December, 1966 to 2nd January, 1967. 450 cadets attended the Camp. One cadet attended the Advanced Leadership Course at Kodaikanal from 23rd May to the 5th June, 1966. All India Summer Training Camp was attended by two cadets from 23rd May to 5th June, 1966. One cadet was attached to Regular Army Unit for about a month.

The following examinations were held during the year :

Examination	Number appeared	Number passed	Percentage
1 'B' Certificate	14	10	71.42%
2 'C' Certificate	1	1	100%

Annual Day function was celebrated on 15th March, 1967 and Prizes were awarded to (1) Best Cadet, (2) Best Attendance and (3) Best Shot. A demonstration of Aerial Cable Way was presented at the time of Republic Day Parade.

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

The actual strength of the Unit is 1 N.C.C. Officer and 225 cadets against the authorized strength of 2 Officers and 252 cadets. The training started in the second week of June 1966 and was continued till the second week of February, 1967. From the current year, this Unit has been allotted the Pre-Medical Class of the Faculty of Science in addition to the Medical College.

Two cadets attended the All India Summer Training Camp at Kotagiri from 23rd May to 5th June, 1966. One cadet attended the Advanced Leadership Course at Kodaikanal from 23rd May to the 12th June, 1966. One cadet was attached to the Regular Army Unit for about a month. The cadets of the Unit also attended the Ceremonial Parades held on the Independence and the Republic days.

(5) 1st Gujarat Air Squadron N.C.C.:

The actual strength of the Unit is 2 N.C.C. Officers and 188 cadets against the authorized strength of 2 Officers and 200 cadets. From this year, two additional Junior Division Troops have been attached to this Unit bringing the total to six. The actual strength is 2 Officers and 600 cadets against the authorized strength of 6 Officers and 600 cadets. The cadets were given training in P.T., Drill and Parade, Organisation and Administration, Citizenship, Hygiene and Sanitation, First Aid, Group discussions and debates, Route March, Weapon Training, Principles of Flight, Airmanship, Navigation, Meteorology, Aircraft Racee, Aero-Engines, Aeromodelling and Flying. Five cadets have done Solo this year as against two in the previous year.

Aeromodelling displays were conducted on the Independence Day, Senior and Junior Division combined Annual Training Camp, Republic Day and Air Force Day. The cadets also participated in the Ceremonial parades. Two cadets attended the All India Summer Training Camp at Lonawala and two at Bhawali. One cadet attended the Advanced Leadership Course for Senior Division at Kodaikanal. One cadet of Junior Division attended the mountaineering training course held at Darjeeling.

31 cadets appeared and 28 passed at the 'B' Certificate Examination and 6 appeared and 4 passed at the 'C' Certificate Examination.

(6) 3rd Gujarat Technical Air Squadron N.C.C.:

The strength of the Unit is 2 N.C.C. Officers and 156 cadets. Training of the Unit started in June 1966. Combined Annual Training Camp for Technical Units was held at Makarpura from 24th December, 1966 to 4th January, 1967. 48 parades were held during the year, the percentage of attendance being 68% 'B' and 'C' Certificate Examinations were not held during the year. They are to be held in May 1967.

(7) 19th Gujarat Battalion N.C.C.:

The actual strength of the Unit is 6 N.C.C. Officers and 1,428 cadets including two Companies of Arts and Science College, Dabhoi. Besides this, eight Junior Division Troops consisting of 7 N.C.C. Officers and 800 cadets are also attached to this Unit.

Training started with effect from 29th June, 1966. Annual Training Camp was held at Rajpipla from 22nd to 31st October, 1966 which was attended by 7 Officers and 983 cadets. The Unit also organized one Combined Annual Training Camp for Junior division boys of various Schools from the Gujarat State at Rajpipla from 2nd to 11th November, 1966 in which 28 N.C.C. Officers and 1,224 cadets participated. One cadet joined the Advanced Leadership Course at Kodaikanal, two cadets attended the All India Summer Training Camp at

Kotagiri and three cadets were attached to Regular Army Unit in May-June 1966. One cadet took part in the Republic Day Parade held at New Delhi.

The following examinations were held during the year :

Examination	Number appeared	Number passed	Percentage
1. 'B' Certificate	37	30	81.08%
2. 'C' Certificate	7	5	71.43%
3. Certificate 'A' Part I	152	117	76.97%
4. Certificate 'A' Part II	6	6	100%

(8) 1st Gujarat Signal Regiment N.C.C.:

The actual strength of the Unit is 2 N. C. C. Officers and 401 cadets against the authorized strength of 3 Officers and 400 cadets. Training started on 14th July, 1966 and lasted till February 1967.

Annual Training Camp of 'A' and 'B' companies was held at Makarpura from 24th December, 1966 to 2nd January, 1967.

The following examinations were held during the year :

Examination	Number appeared	Number passed	Percentage
1. 'B' Certificate	16	9	56.25%
2. 'C' Certificate	1	1	100%

(9) 12th Gujarat Battalion N.C.C.:

The actual strength of the Unit is 6 N. C. C. Officers and 1343 cadets. 6 N. C. C. Officers and 937 cadets participated in the Annual Training Camp for Senior Division boys held at Devgad Baria from 1st to 10th November, 1966. Two cadets attended the Advanced Leadership Course at Kodaikanal and three cadets attended the All India Summer Training Camp at Kotagiri in May-June 1966. Four Cadets were attached to Regular Army Unit. Eight Junior Division Troops are also attached to this Unit. The strength is 8 Officers and 726 cadets. Annual Day of the Unit was celebrated on 16th February, 1967.

The following examinations were held during the year :

Examination	Number appeared	Number passed	Percentage
1 'B' Certificate	22	18	81.82%
2 'C' Certificate	7	5	71.43%
3 Part I Examination	35	33	94%

(10) 9th Gujarat EME Unit N.C.C. :

The strength of the Unit is 1 N.C.C. Officer and 314 cadets. Combined Annual Training Camp of Technical Units was held at Makarpura from 24th December, 1966 to 2nd January, 1967. One Officer and 256 cadets participated. Annual Day function was held on 7th February, 1967.

The following examinations were held during the year :

Examination	Number appeared	Number passed	Percentage
1 'B' Certificate	2	1	50%
2 'C' Certificate	5	3	60%

(11) 2nd Gujarat Naval Unit N.C.C. :

The strength of the Unit is 2 N.C.C. Officers and 178 cadets. Annual Training Camp was held at Jamnagar from 23rd October to 3rd November, 1966. 165 cadets attended the Camp. Besides this, three Junior division Troops are attached to this Unit. Three cadets attended the Republic Day Parade at New Delhi. No examinations were held as this was the first year of the Unit. Annual day function was celebrated on 13th February, 1967. In order that the cadets may have some sea experience, a Summer Cruise for selected cadets was arranged on board I.N.S. "VIKRANT" under the Directorship of the Flag Officer, Commanding Indian Fleet.

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-Residents' 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. Faculties have been provided for indoor games such as Carom, 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 provides instructions to the University students in (1) Carpentry, (2) Assembling electronic and electric appli-

ances, (3) Music, (4) Clay-modelling, and (5) Photography, with a view to canalising the extra time of the students for some creative work. Students from several faculties and institutions are availing the facilities provided at the Hobby Workshop with interest and zeal. The total number of students enrolled during the year 1966-67 is 238. They are distributed over the various hobbies as under:

Hobby	Number of students
(i) Carpentry	21
(ii) Assembling electrical and electronic appliances	62
(iii) Music	65
(iv) Clay-Modelling	16
(v) Photography	74
Total	238

Appendix I
Statement showing the number of students at the commencement of academic year 1966-67

Sr. No.	Institutions	*Post-graduate Courses		Degree Courses		Diploma Courses		Total		Grand Total 1966-67		Grand Total 1965-66		Grand Total 1964-65	
		Men	Women	Men	Women	Men	Women	Men	Women						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Faculty of Arts	156	89	693	722	27	2	876	813	1689	1407	1352	1352	1352	1352
2	Faculty of Science	290	65	613	207	18	—	903	272	1175	995	967	967	967	967
3	Faculty of Education & Psychology	57	30	84	169	18	29	159	228	387	323	285	285	285	285
4	Faculty of Commerce	71	6	1105	108	†3	—	1179	114	1293	1251	1192	1192	1192	1192
5	Faculty of Medicine	154	38	470	113	—	—	624	151	775	644	648	648	648	648
6	Faculty of Technology & Engineering	§117	—	2005	47	323	—	2445	47	2492	2232	2085	2085	2085	2085
7	Faculty of Fine Arts	20	6	47	33	£100	£17	167	56	†223	184	158	158	158	158
8	Faculty of Home Science	3	71	—	507	—	—	3	578	581	586	576	576	576	576
9	Faculty of Social Work	57	26	—	—	—	—	57	26	83	87	76	76	76	76
10	Faculty of Law	126	7	370	37	—	—	496	44	540	526	530	530	530	530
11	Preparatory Unit, Arts & Commerce	—	—	855	478	—	—	855	478	1333	1024	1814	1814	1814	1814
12	Preparatory Unit, Science	—	—	876	156	—	—	876	156	1032	864	864	864	864	864
13	Shri M. K. Amin Arts & Science College & College of Commerce, Padra	—	—	169	26	—	—	169	26	195	121	—	—	—	—
14	College of Indian Music, Dance and Dramatics	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15	Baroda Sanskrit Mahavidyalaya	2	3	15	25	—	—	17	28	45	42	37	37	37	37
16	Polytechnic	11	—	14	2	18	5	43	7	50	49	52	52	52	52
	Total:	1064	341	7316	2630	1805	67	10185	3038	13223	11629	10954	10954	10954	10954

* Includes Ph.D. and Master's Degree and Post-graduate Diploma students.
† Excludes 4 men students of S.Y.B.Com. joining the undergraduate Diploma Course in Co-operation, simultaneously.
‡ Includes 12 Post-Diploma men students and 2 women students.
§ Does not include 8 men and 5 women students who are non-collegiate and Government Scholars and Foreign Scholars.
§ Includes 21 Government of India Technical Teachers Trainees.

**Statement showing Non-University Students at the commencement
of the year 1966-67**

<i>Institutions</i>	<i>Men</i>	<i>Women</i>	<i>Total 1966-67</i>	<i>Total 1965-66</i>	<i>Total 1964-65</i>
(A) Diploma Courses :					
(1) College of Indian Music, Dance and Dramatics	231	241	472	477	349
(2) Extended Diploma Courses in Civil, Mechanical and Electrical Engineering	131	—	131	144	128
(B) Certificate Courses :					
(1) Faculty of Arts	335	26	361	196	151
(2) Faculty of Fine Arts	3	1	4	5	7
(3) Baroda Sanskrit Mahavidyalaya	30	8	38	35	39
(C) S.S.C. Course :					
(1) University Experimental School	245	197	442	431	433
(D) Nursery Courses :					
(1) Chetan Balwadi	46	37	83	89	60
(2) Kindergarten	14	7	21	15	25
Total :	1,035	517	1,552	1,392	1,192

**A Statement showing the number of teaching staff of various faculties
and institutions as on the 31st March, 1967**

<i>Faculty/Institution</i>	<i>Pro- fessors</i>	<i>Readers</i>	<i>Lectur- ers</i>	<i>Asstt. Lec- turers, Tu- tors, De- monstrators, Instructors</i>	<i>Hono- rary Part-time & others</i>	<i>Total</i>
Arts	7	17	49	16	4	93
Science	10	22	59	68	—	159
Education & Psychology	2	6	15	4	—	27
Commerce	—	9	13	—	4	26
Technology & Engineering	13	25	55	79	—	172
Fine Arts	3	5	19	4	2	33
Home Science	2	6	23	22	1	54
Social Work	1	2	7	1	1	12
Law	1	1	2	—	11	15
Oriental Institute	1	1	4	—	—	6
College of Indian Music, Dance and Dramatics	1	3	11	8	1	24
Baroda Sanskrit Mahavidyalaya	—	—	1	12	2	15
Polytechnic	—	4	24	56	—	84
Shri M. K. Amin Arts & Science College and College of Commerce, Padra	—	—	2	4	—	6
Total :	41	101	284	274	26	726

List of candidates qualifying for the Ph.D. degree in the year 1966-67

Sr. No.	Name of the candidate	Subject	Title of the Thesis
1.	Shri A. Y. Tripathi	Gujarati	Sagar as Poet, Philosopher and Prose Writer
2.	Shri P. N. Jha	Hindi	Maithili Natak Ka Udbhava aur Vikas
3.	Shri B. M. Joshi	Hindi	Surdas and Narsinh Mehta—Eka Tulnatmak Adhyayan
4.	Shri V. B. Joshi	Hindi	Maha Kavi Nirala—Darshan aur Kala
5.	Shri S. K. Desai	History	Lives and Times of Mahmud Shah I and Muzaffar Shah II of Gujarat
6.	Shri S. R. Bhatt	Philosophy	A Study of Ramanuja's System in comparison with Pancaratra School and Alvays
7.	Shri S. M. Patel	Philosophy	Philosophy of Shrimad Rajchandra
8.	Shri J. J. Shukla	Philosophy	The Relation of Epistemology with Ontology in Contemporary Philosophy
9.	Shri H. M. Joshi	Philosophy	The Nature of Mind—A Philosophico-Psychological Study
10.	Smt. M. D. Thakkar	Sanskrit	Bhakti Cult of the Bhagwata Purana.
11.	Shri A. J. Patel	Bio-Chemistry	Studies on avian and mammalian heart tissues
12.	Shri H. R. Chokshi	Bio-Chemistry	Biochemical Studies in Embryonic chick tibiatic cultivated in vitro
13.	Shri S. S. Kanhere	Chemistry	Some studies on Alkaloids with Ion exchange materials
14.	Shri R. S. Shah	Chemistry	Some studies with Ion exchange materials
15.	Shri D. J. Patel	Chemistry	Some Exchange and Sorption studies with Ion exchange Compounds

Sr. No.	Name of the candidate	Subject	Title of the Thesis
16.	Shri P. R. Patel	Chemistry	Influence of molecular structure on Liquid Crystalline properties and phase transitions in these structures
17.	Shri A. S. Thattey	Physics	Study of metal crystals Cadmium and ed-zn entectic Alloy
18.	Shri S. P. Patel	Physics	Investigations on the spectra of Diatomic Molecules (Halides of Cadmium)
19.	Shri B. K. Shah	Statistics	On the method of fitting non-linear curve $\alpha + \delta \times \beta \rho^x$ and similar types
20.	Kum. R. V. Nene	Zoology	A Histophysiological study of Certain striated muscles with special reference to those of the anain wing
21.	Shri D. B. Desai	Education	Evaluation of Secondary Schools of Gujarat, Saurashtra and Kutch
22.	Shri Brij Lal Kaul	Education	Construction and standardisation of verbal Group of Test of intelligence in Kashmir State (Age Group 12 to 16)
23.	Shri C. S. Subbarao	Education	A Critical Investigation into the practice of Basic Education in the State of Andhra Pradesh
24.	Shri N. S. Pathak	Psychology	An Investigation to study vocational choices in relation to self-concept
25.	Shri S. M. Desai	Psychology	A Critical study of the Psychomatic Theories in early Indian Medicine (with special reference to Charaka and Sushruta)
26.	Kum. M. M. Shah	Psychology	An Investigation to study the problems of discipline in relation to pupil attitudes in Secondary Schools of Gujarat.

Results of the University Examinations March-April-June, 1966

Sr. No.	Examination	No. Appeared		Number Passed																	Grand Total	Percentage of pass
		No. Regd.	No. Absent	Men								Women										
				Total	I Class Dist.	I Class	II Class	Pass Class	Total	I Class Dist.	I Class	II Class	Pass Class	Total								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19				
1	Preparatory Arts	850	13	415	422	837	—	2	32	204	238	—	15	99	201	315	553	65.03%				
2	F.Y.B.A.	515	14	224	277	501	—	7	36	101	144	—	18	89	117	224	368	73.45%				
3	*S.Y.B.A.	444	4	218	222	440	—	—	—	159	159	—	—	—	191	191	350	79.54%				
4	B.A.	412	9	193	211	404	—	10	42	76	128	—	10	85	93	188	316	75.2%				
5	M.A.	130	6	77	47	124	—	4	32	23	59	—	4	22	20	46	105	86.78%				
6	Dip. in Library Science (P.G.)	16	—	11	5	16	—	1	6	2	9	—	1	4	—	5	14	87.5%				
7	Dip. in German Language (U.G.)	15	1	13	1	14	—	7	4	2	13	—	1	—	—	1	14	100%				
8	Visharad	2	—	1	1	2	—	—	—	—	1	—	—	—	1	1	2	100%				
9	Shastri	5	—	5	—	5	—	2	1	2	5	—	—	—	—	—	5	100%				
10	Acharya	5	—	5	—	5	—	1	2	1	5	—	—	—	—	—	5	100%				
11	Preparatory Science	991	11	848	132	980	—	174	318	129	621	—	37	51	20	108	729	74.38%				
12	Pre-medical	119	1	96	22	118	—	19	60	13	92	—	9	8	4	21	113	95.76%				
13	F.Y.B.Sc.	233	3	177	53	230	—	9	34	31	74	—	16	17	12	45	119	51.74%				
14	*S.Y.B.Sc.	266	14	202	50	252	—	—	—	104	104	—	—	—	43	43	147	58.33%				
15	B.Sc.	207	3	154	50	204	—	2	12	41	36	91	1	5	21	10	37	128	65.30%			
16	*M.Sc. (Previous)	150	3	121	26	147	—	—	—	103	103	—	—	—	26	26	129	87.75%				
17	M.Sc. (Final)—N.C.	110	1	88	21	109	—	3	15	49	20	87	1	6	10	4	21	108	99.10%			
18	M.Sc. (O.C.)	29	4	24	1	25	—	3	3	10	16	—	—	—	—	1	17	70.83%				

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
19	M.Sc. (Applied Geology)	1	—	1	—	1	—	1	—	—	—	1	—	—	—	—	—	1	100%	
20	B.Ed.	118	—	63	55	118	—	12	32	18	62	—	12	30	12	54	116	98.3%		
21	*T.D.	39	—	24	15	39	—	—	—	24	24	—	—	—	15	15	39	100%		
22	*Dip. in Early Childhood Education (Under-graduate)	7	—	1	6	7	—	—	—	—	1	—	—	—	6	6	7	100%		
23	M.Ed.	19	—	12	7	19	—	1	4	7	12	—	2	2	3	7	19	100%		
24	*Dip. in Guidance and Counseling (Post-graduate)	4	1	1	2	3	—	—	—	—	1	—	—	—	2	2	3	100%		
25	Preparatory Commerce	701	10	639	52	691	—	25	112	257	394	—	—	5	17	14	36	430	62.22%	
26	F.Y.B.Com.	452	10	417	25	442	—	11	68	141	220	—	—	3	10	9	22	242	54.75%	
27	*S.Y.B.Com.	427	26	371	30	401	—	—	—	—	260	260	—	—	25	25	285	70.89%		
28	B.Com.	452	17	424	11	435	—	2	8	97	182	289	—	—	2	3	4	298	67.72%	
29	*B.Com. (under O.Com. 25)	7	3	3	1	4	—	—	—	—	3	3	—	—	—	4	4	16	75.00%	
30	*B.Com. (under O.Com. 27)	30	1	24	5	29	—	—	—	—	12	12	—	—	—	4	1	100%		
31	*Dip. in Co-operation (P.G.)	1	—	1	—	—	—	1	—	—	1	—	—	—	—	—	—	4	100%	
32	*Dip. in Co-operation (U.G.)	5	1	4	—	—	—	4	—	—	4	4	—	—	—	—	—	21	79.16%	
33	M.Com.	27	3	24	—	—	—	24	—	2	11	8	21	—	—	—	—	17	89.47%	
34	*Dip. in Banking	20	1	19	—	—	—	19	—	—	—	12	12	—	—	4	4	16	94.11%	
35	*I.M.B.B.S.	17	—	13	4	17	—	—	—	—	—	57	57	—	—	18	18	75	72.81%	
36	*II.M.B.B.S.	103	—	91	22	103	—	—	—	—	15	15	—	—	—	2	2	17	60.71%	
37	*III.M.B.B.S.	28	—	17	—	—	—	—	—	—	—	3	3	—	—	—	—	3	17.64%	
38	*M.D. (Br. I)—Medicine	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0	00.00%	
39	*M.D. (Br. II)—Pathology	1	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	2	25%	
40	*M.D. (Br. V)—Obst. & Gyn.	8	—	7	1	8	—	—	—	—	—	2	2	—	—	—	—	3	21.42%	
41	*M.S. (Br. I)—Surgery	15	1	14	—	—	—	14	—	—	—	3	3	—	—	—	—	0	00.00%	
42	*M.S. (Br. IV)—Orthopaedics	1	—	1	—	—	—	1	—	—	—	—	—	—	—	—	—	2	100%	
43	*Diploma in Ophthalmology	3	1	2	—	—	—	2	—	—	—	2	2	—	—	1	1	3	100%	
44	*Diploma in Anaesthesiology	3	—	2	1	3	—	3	—	—	—	—	—	—	—	—	—	2	50.00%	
45	*Diploma in Laryngology & Otology	4	—	4	—	—	—	4	—	—	—	—	—	—	—	—	—	4	66.66%	
46	*Diploma in Pediatrics	6	—	4	2	6	—	6	—	—	—	—	—	—	—	—	—	—	—	

* No Class is awarded.

* No Class is awarded.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
47	*Diploma in Tuberculosis	2	1	1	—	1	—	—	—	—	—	—	—	—	—	—	—	0 00.00%
48	*Diploma in Clinical Pathology	5	1	4	—	4	—	—	—	4	4	—	—	—	—	—	4	100%
49	*Diploma in Gynaecology and Obstetrics	20	—	9	11	20	—	—	—	1	1	—	—	—	4	4	5	25.00%
50	Master of Science (Medical Subj.)	6	—	4	2	6	—	—	—	—	1	—	—	1	1	2	3	50.00%
51	F.Y.D. (CME)	482	1	477	4	481	—	24	103	151	278	—	—	—	2	2	280	58.21%
52	S.Y.D. (CME)	441	4	436	1	437	—	31	97	132	260	—	—	1	—	1	261	59.72%
53	*I Semester of S.Y. Dip. (CME) —Extd. course	104	—	103	1	104	—	—	—	38	38	—	—	—	—	—	38	36.53%
54	*II Semester of S.Y. Dip. (CME) —Extd. course	14	—	13	1	14	—	—	—	6	6	—	—	—	—	—	6	42.87%
55	Dip. in Civil Engineering	92	4	88	—	88	—	6	37	36	79	—	—	—	—	—	79	89.77%
56	Dip. in Mech. Engineering	182	4	176	2	178	—	34	70	36	140	—	—	1	—	1	141	79.21%
57	*Dip. in Mech. Engg. (under O.T.E. 155)	52	—	52	—	52	—	—	—	43	43	—	—	—	—	—	43	82.70%
58	Dip. in Elect. Engineering	100	1	98	1	99	—	5	26	43	74	—	—	—	1	1	75	75.75%
59	*Dip. in Elect. Engg. (under O.T.E. 162)	47	—	47	—	47	—	—	—	39	39	—	—	—	—	—	39	83.00%
60	Dip. in Textile Chemistry	40	1	39	—	39	—	—	7	12	19	—	—	—	—	—	19	48.71%
61	Dip. in Textile Chemistry (under O.T.E. 184)	54	1	53	—	53	—	4	20	21	45	—	—	—	—	—	45	84.90%
62	Dip. in Textile Technology	34	1	33	—	33	—	3	17	9	29	—	—	—	—	—	29	87.88%
63	F.E. (CME)—for ATKT students only	5	—	5	—	5	—	—	—	3	3	—	—	—	—	—	3	60.00%
64	F.Text. (Engg. & Tech.)	75	—	75	—	75	—	1	21	21	43	—	—	—	—	—	43	57.33%
65	S.E. (CME)—for ATKT students only	32	—	32	—	32	—	—	—	14	14	—	—	—	—	—	14	43.75%
66	S.Text. (Engg. & Tech.)	66	—	66	—	66	—	3	29	4	36	—	—	—	—	—	36	54.54%
67	*S.E. (CME)—for ATKT students only (under O.T.E. 7)	58	—	58	—	58	—	—	—	51	51	—	—	—	—	—	51	88.00%
68	*S.Text. (Tech.)—under O.T.E. 7	8	2	6	—	6	—	—	—	4	4	—	—	—	—	—	4	66.66%

69	*I Semester of B.E. II (CME., Chem.)	89	4	85	—	85	—	—	—	—	—	—	—	—	—	—	—	30	53.29%	
70	II Semester of B.E. II (CME., Chem.)	325	—	324	1	325	8	51	146	40	245	—	—	—	1	—	—	1	246	75.69%
71	B.E. III (CME)—Special	38	—	38	—	38	—	4	17	9	30	—	—	—	—	—	—	30	79.00%	
72	T.E. (CME)	398	5	393	—	393	8	21	144	120	293	—	—	—	—	—	—	293	74.55%	
73	T.Text. (Engg.)	16	—	16	—	16	—	—	9	3	12	—	—	—	—	—	—	12	75.00%	
74	T.Text. (Tech.)	17	—	17	—	17	1	2	8	3	14	—	—	—	—	—	—	14	82.35%	
75	B.E. (Civil)	129	8	120	1	121	1	19	77	5	102	—	—	—	—	1	1	103	85.12%	
76	B.E. (Mech.)	131	5	126	—	126	18	44	53	—	115	—	—	—	—	—	—	115	94.26%	
77	B.E. (Mech.)—under O.T.E. 39	18	1	17	—	17	1	5	7	1	14	—	—	—	—	—	—	14	82.35%	
78	B.E. (Elect.)	71	1	70	—	70	5	6	40	8	59	—	—	—	—	—	—	59	84.28%	
79	B.E. (Elect.)—under O.T.E. 46	9	—	9	—	9	1	2	5	—	8	—	—	—	—	—	—	8	88.88%	
80	B.Text. (Engg.)	16	—	16	—	16	—	—	11	5	16	—	—	—	—	—	—	16	100%	
81	B.Text. (Tech.)	11	—	11	—	11	—	2	7	2	11	—	—	—	—	—	—	11	100%	
82	*M.E. (Civil)—Part I—N.C.	18	—	18	—	18	—	—	—	14	14	—	—	—	—	—	—	14	77.77%	
83	*M.E. (Mech.)—Part I—N.C.	17	—	17	—	17	—	—	—	13	13	—	—	—	—	—	—	13	76.47%	
84	*M.E. (Elect.)—Part I—N.C.	10	—	10	—	10	—	—	—	10	10	—	—	—	—	—	—	10	100%	
85	*M.E. (Civil)—Part II—N.C.	1	—	1	—	1	—	—	—	—	1	—	—	—	—	—	—	1	100%	
86	*M.E. (Mech.)—Part II—N.C.	9	—	9	—	9	—	—	—	7	7	—	—	—	—	—	—	7	77.77%	
87	*M.E. (Civil)—Part II—O.C.	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	—	2	100%	
88	*M.E. (Civil)—Part III—N.C.	14	—	14	—	14	—	—	—	14	14	—	—	—	—	—	—	14	100%	
89	*M.E. (Mech.)—Part III—N.C.	13	—	13	—	13	—	—	—	13	13	—	—	—	—	—	—	13	100%	
90	*M.E. (Elect.)—Part III—N.C.	10	—	10	—	10	—	—	—	10	10	—	—	—	—	—	—	10	100%	
91	M.E. (Civil)—Part III—O.C.	3	—	3	—	3	—	1	1	—	2	—	—	—	—	—	—	2	66.66%	
92	M.E. (Mech.)—Part III—O.C.	2	—	2	—	2	—	—	1	1	—	—	—	—	—	—	—	2	100%	
93	M.E. (Elect.)—Part III—O.C.	1	—	1	—	1	—	—	1	—	1	—	—	—	—	—	—	1	100%	
94	*M.Text. (Engg.)—Part I	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	0	00.00%	
95	*Dip. in Refrigeration and Air-Conditioning—Part I (P.G.)	5	—	5	—	5	—	—	—	—	5	—	—	—	—	—	—	5	100%	
96	III Yr.B.Arch.	66	1	56	9	65	—	2	15	3	20	—	—	—	5	—	—	5	25	38.46%
97	B.Arch.	51	—	49	2	51	1	2	20	10	33	—	—	—	1	1	2	35	68.62%	
98	First LL.B.	261	63	185	13	198	—	2	72	13	87	—	—	—	5	1	6	93	46.97%	
99	Second LL.B.	130	21	101	8	109	—	2	35	11	48	—	—	—	4	—	4	52	47.71%	

* No Class is awarded.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
100	L.L.M.	10	6	3	1	4	—	—	1	—	1	—	—	—	—	—	1	25.00%
101	*D.T.P.	48	6	42	—	42	—	—	—	19	19	—	—	—	—	—	19	45.24%
102	*D.L.P.	50	10	38	2	40	†1	—	—	29	30	—	—	—	2	2	32	80.00%
103	M.A. (Fine)—Painting	1	—	1	—	1	—	1	—	—	1	—	—	—	—	—	1	100%
104	M.A. (Fine)—Applied Arts	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	1	100%
105	B.A. (Fine)—Painting	5	—	5	—	5	—	2	3	—	5	—	—	—	—	—	5	100%
106	B.A. (Fine)—Sculpture	3	—	2	1	3	—	1	1	—	2	—	1	—	—	1	3	100%
107	B.A. (Fine)—Applied Arts	2	—	2	—	2	—	1	1	—	2	—	—	—	—	—	2	100%
108	Post-Diploma in Fine Arts-Painting	1	—	1	—	1	—	—	—	—	1	—	—	—	—	—	1	100%
109	Post-Diploma in Fine Arts-Sculpture	2	—	2	—	2	—	1	—	—	1	—	—	—	—	—	1	50.00%
110	Diploma in Fine Arts-Painting	3	—	3	—	3	—	1	—	—	3	—	—	—	—	—	3	100%
111	Diploma in Fine Arts-Appl. Arts	10	—	9	1	10	1	6	2	—	9	—	—	1	—	1	10	100%
112	Diploma in Textile Design	3	—	3	—	3	—	2	1	—	3	—	—	—	—	—	3	100%
113	M.Mus.	6	1	3	2	5	1	—	2	—	3	—	1	—	—	2	5	100%
114	B.Mus.	6	—	3	3	6	—	2	1	—	3	—	—	—	1	2	5	83.33%
115	Diploma in Music	29	1	17	11	28	—	3	3	6	12	—	2	5	3	10	12	78.5%
116	Diploma in Dance	6	—	6	—	6	—	—	—	—	—	—	—	—	—	3	3	50.00%
117	Diploma in Dramatics	8	—	7	1	8	—	1	2	—	3	1	—	2	—	2	4	50.00%
118	Post-Diploma in Dance	3	—	3	—	3	—	—	—	—	—	—	—	—	—	2	2	66.66%
119	*Diploma in Museology (P.G.)	5	—	3	2	5	—	—	—	3	3	—	—	—	2	2	5	100%
120	M.Sc. (Home)	14	1	1	12	13	—	—	—	—	1	—	+4	@8	—	12	13	100%
121	B.Sc. (Home)	87	—	—	87	87	—	—	—	—	—	—	+3	@46	£29	78	78	89.65%
122	P.G. Dip. in Nursery School Edu.	†4	—	—	4	4	—	—	—	—	—	—	+3	@3	—	3	3	75.00%
123	M.S.W.	31	—	23	8	31	—	+1	@10	£12	23	—	+1	@4	£3	8	31	100%
124	*Ph.D. (Arts)	5	—	5	—	5	—	—	—	5	5	—	—	—	—	—	5	100%
125	*Ph.D. (Science)	12	—	10	2	12	—	—	—	10	10	—	—	—	2	2	12	100%
126	*Ph.D. (Edu. and Psy.)	3	—	3	—	3	—	—	—	3	3	—	—	—	—	—	3	100%
127	*M.Ed. (by Thesis)	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	2	100%

† Passed with Distinction.

£ Passed with C Grade.

+ Passed with A Grade.

† Result of one candidate is not yet declared.

@ Passed with B Grade.

Appendix VI

Result of the University Examinations—August-October-November, 1966

Sr. No.	Examination	No. Appeared		No. Passed										Percentage of Pass				
		No. Regd.	No. Absent	Men					Women					Total	Grand total	I Class	II Class	Pass Class
				Total	I Class	II Class	Pass Class	Total	I Class	II Class	Pass Class	Total	I Class					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	F.Y. B.A.	154	10	80	64	144	—	—	3	47	50	—	—	1	40	41	91	63.19%
2	*S.Y. B.A.	148	4	101	43	144	—	—	—	—	49	49	—	—	30	30	79	54.86%
3	B.A. (Final year)	82	12	50	20	70	—	—	5	26	31	—	—	7	10	17	48	68.57%
4	F.Y. B.Sc.	100	3	88	9	97	—	—	6	42	48	—	—	—	8	8	56	57.73%
5	*S.Y. B.Sc.	117	13	92	12	104	—	—	—	38	38	—	—	—	10	10	48	46.15%
6	B.Sc. (Final year)	64	8	48	8	56	—	—	4	19	24	—	—	2	6	8	32	57.14%
7	F.Y. B.Com.	214	15	194	5	199	—	—	—	115	115	—	—	—	4	4	119	59.79%
8	*S.Y. B.Com.	182	26	150	6	156	—	—	—	85	85	—	—	—	3	3	88	56.41%
9	B.Com. (Final year)	123	16	106	1	107	—	—	1	51	52	—	—	—	1	1	53	49.53%
10	*B.Com. (under O.Com. 27)	7	—	6	1	7	—	—	—	3	3	—	—	—	—	—	3	42.85%
11	*B.Com. (under O.Com. 25)	11	4	7	—	7	—	—	—	6	6	—	—	—	—	—	6	85.71%
12	*I.M.B.B.S.	121	—	102	19	121	—	—	—	77	77	—	—	—	17	17	94	77.68%
13	*II M.B.B.S.	59	1	45	13	58	—	—	—	29	29	—	—	—	4	4	33	56.89%
14	*III M.B.B.S.	69	1	57	11	68	—	—	—	42	42	—	—	—	8	8	50	73.52%
15	*M.D. (Br. I—Medicine)	20	1	18	1	19	—	—	—	5	5	—	—	—	—	—	5	26.31%
16	M.D. (Br. II—Pathology)	2	—	1	1	2	—	—	—	—	—	—	—	—	1	1	1	50.00%
17	*M.D. (Br. V—O. & G.)	10	1	6	3	9	—	—	—	4	4	—	—	—	—	—	4	44.44%
18	*M.S. (Br. I—Surgery)	17	4	13	—	13	—	—	—	4	4	—	—	—	—	—	4	30.76%

* No Class is awarded.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
19	*M.S. (Br. III—Orthopaedics)	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00.00%
20	*M.S. (Br. IV—Oto-Rhino-Laryngology)	2	—	2	—	2	—	—	—	—	—	—	—	—	—	—	—	100%
21	*Dip. in Anaesthesiology	3	—	1	2	3	—	—	—	—	1	1	—	—	1	1	2	66.66%
22	*Dip. in Laryngology and Otology	7	—	6	1	7	—	—	—	—	5	5	—	—	—	—	5	77.14%
23	*Dip. in Pediatrics	9	—	6	3	9	—	—	—	—	4	4	—	—	2	2	6	66.66%
24	*Dip. in Tuberculous Diseases	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00.00%
25	*Dip. in Clinical Pathology	2	1	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00.00%
26	*Dip. in Gynaecology & Obstetrics	16	2	6	8	14	—	—	—	—	1	1	—	—	4	4	5	35.71%
27	M.Sc. (in Medical subjects)	10	—	8	2	10	—	1	—	—	5	6	—	2	—	2	8	80.00%
28	F.Y. Dip. (CME)	184	5	177	2	179	—	—	—	108	108	—	—	—	1	1	109	60.89%
29	S.Y. Dip. (CME)	169	6	163	—	163	—	1	3	118	122	—	—	—	—	—	122	74.84%
30	*I Semester of S.Y. Dip. (CME) Extd. course	63	1	61	1	62	—	—	—	26	26	—	—	—	—	—	26	41.93%
31	II Semester of S.Y. Dip. (CME) Extd. course	94	—	93	1	94	—	—	7	45	52	—	—	—	—	—	52	55.32%
32	Dip. in Civil Engg.	11	—	11	—	11	—	—	3	6	9	—	—	—	—	—	9	81.81%
33	Dip. in Mech. Engg.	38	1	36	1	37	—	—	8	18	26	—	—	—	1	1	27	72.97%
34	*Dip. in Mech. Engg. (under O.T.E. 155)	8	1	7	—	7	—	—	—	3	3	—	—	—	—	—	3	42.85%
35	Dip. in Elect. Engg.	22	2	20	—	20	—	—	3	8	11	—	—	—	—	—	11	55.00%
36	*Dip. in Elect. Engg. (under O.T.E. 162)	7	1	6	—	6	—	—	—	4	4	—	—	—	—	—	4	66.66%
37	Dip. in Textile Chemistry	17	1	16	—	16	—	—	1	6	7	—	—	—	—	—	7	43.75%
38	Dip. in Textile Chemistry (under O.T.E. 184)	5	2	3	—	3	—	—	—	3	3	—	—	—	—	—	3	100.00%
39	Dip. in Textile Tech.	3	—	3	—	3	—	—	—	2	2	—	—	—	—	—	2	66.66%
40	F.E. (CME)—O. C.	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100%
41	F. Text. (Engg. & Tech.)	36	1	35	—	35	—	—	—	26	26	—	—	—	—	—	26	74.28%

* No Class is awarded.

42	*I Semester of B.E. II (CME., Chem.)	421	3	415	3	418	—	—	—	339	339	—	—	—	—	2	2	341	81.57%
43	II Semester of B.E. II (CME., Chem.)	57	1	56	—	56	—	—	—	35	35	—	—	—	—	—	—	35	62.50%
44	*I Semester of B.E. II (Electronics)	5	—	5	—	5	—	—	—	4	4	—	—	—	—	—	—	4	80.00%
45	B.E. III (CME)—Special	7	—	7	—	7	—	—	—	4	4	—	—	—	—	—	—	4	57.14%
46	I Semester of B.E. IV	72	—	72	—	72	—	—	—	51	51	—	—	—	—	—	—	51	70.83%
47	S.E. (CME) FeIt)	53	—	53	—	53	—	—	—	36	36	—	—	—	—	—	—	36	67.92%
48	T.E. (CME)	103	5	98	—	98	—	—	3	74	77	—	—	—	—	—	—	77	78.75%
49	T. Text. (Engg.)	4	—	4	—	4	—	—	—	2	2	—	—	—	—	—	—	2	50.00%
50	T. Text. (Tech.)	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	—	2	100%
51	B.E. (Civil)	27	1	25	1	26	1	2	15	6	24	—	—	—	—	1	1	25	96.15%
52	B.E. (Mech.)	16	1	15	—	15	1	2	8	2	13	—	—	—	—	—	—	13	86.66%
53	B.E. (Mech.)—under O.T.E. 39	4	3	1	—	1	—	—	1	—	—	—	—	—	—	—	—	1	100%
54	B.E. (Elect.)	11	1	10	—	10	—	—	—	3	2	5	—	—	—	—	—	5	50.00%
55	*M.E. (Civil)—Part I	3	1	2	—	2	—	—	—	1	1	—	—	—	—	—	—	1	50.00%
56	*M.E. (Mech.)—Part I	3	—	3	—	3	—	—	—	—	—	—	—	—	—	—	—	—	00.00
57	*M.E. (Elect.)—Part I	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	—	1	100%
58	*M.E. (Civil)—Part II—N.C.	15	—	15	—	15	—	—	—	11	11	—	—	—	—	—	—	11	73.33%
59	*M.E. (Mech.)—Part II—N.C.	17	1	16	—	16	—	—	—	16	16	—	—	—	—	—	—	16	100%
60	*M.E. (Elect.)—Part II—N.C.	11	2	9	—	9	—	—	—	6	6	—	—	—	—	—	—	6	66.66%
61	*M.E. (Civil)—Part III—N.C.	3	—	3	—	3	—	—	—	2	2	—	—	—	—	—	—	2	66.66%
62	*M.E. (Mech.)—Part III—N.C.	4	—	4	—	4	—	—	—	4	4	—	—	—	—	—	—	4	100%
63	M.E. (Civil)—Part III—O.C.	2	—	2	—	2	—	—	—	2	—	—	—	—	—	—	—	2	100%
64	M.E. (Mech.)—Part III—O.C.	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
65	M.E. (Elect.)—Part III—O.C.	1	—	1	—	1	—	—	—	1	—	—	—	—	—	—	—	1	100%
66	+M.E. (Civil)—Part IV—N.C.	11	4	7	—	7	—	—	5	2	—	—	—	—	—	—	—	7	100%
67	+M.E. (Mech.)—Part IV—N.C.	2	1	1	—	1	—	—	1	—	—	—	—	—	—	—	—	1	100%
68	+M.E. (Elect.)—Part IV—N.C.	5	1	4	—	4	—	—	3	1	—	—	—	—	—	—	—	4	100%
69	@M.E. (Civil)—Part IV—N.C.	4	—	4	—	4	—	—	2	2	—	—	—	—	—	—	—	4	100%
70	@M.E. (Mech.)—Part IV—N.C.	3	—	3	—	3	—	—	3	1	1	—	—	—	—	—	—	3	100%
71	@M.E. (Elect.)—Part IV—N.C.	3	—	3	—	3	—	—	3	—	—	—	—	—	—	—	—	3	100%

* No Class is awarded.

+ Examinations held in November 1966

@ Examinations held in August 1966

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
72	M. Text. (Engg.)—Part I	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00.00%
73	Dip. in Refrigeration and Air-Conditioning—Part II	5	—	5	—	5	—	4	—	—	4	—	—	—	—	—	4	80%
74	III Year B.Arch.	44	—	40	4	44	—	—	—	23	23	—	—	—	4	4	27	61.36%
75	B.Arch.	17	1	16	—	16	—	—	1	9	10	—	—	—	—	—	10	62.50%
76	I LL.B.	101	28	67	6	73	—	—	3	26	29	—	—	—	2	2	31	42.46%
77	II LL.B.	65	7	53	5	58	—	—	11	22	33	—	—	1	1	2	35	60.34%
78	M.Sc. (Home)	8	—	1	7	8	—	—	4	—	1	—	—	—	—	6	7	87.50%
79	B.Sc. (Home)	11	—	—	11	11	—	—	—	—	—	—	—	—	—	9	9	81.81%
80	M.S.W.	2	—	1	1	2	—	—	—	—	—	—	—	—	—	—	1	50%
81	*Ph.D. (Arts)	6	—	5	1	6	—	—	—	5	5	—	—	—	1	1	6	100%
82	*Ph.D. (Science)	6	—	5	1	6	—	—	—	5	5	—	—	—	1	1	6	100%
83	*Ph.D. (Edu. and Psy.)	4	—	3	1	4	—	—	—	3	3	—	—	—	1	1	4	100%

* No Class is awarded.

† Passed with A Grade

£ Passed with B Grade

† Passed with C Grade.

Appendix VII

CAPITAL ACCOUNTS
I—University General Fund
 (Subject to Audit)
 1966-67

	Rs.	P.	Rs.	P.
Receipts	Payments			
Opening Balance as on 1-4-1966	3,34,321-68		Building Works	2,87,900-24
Interest	41,697-00		Advance to the Press for Building	6,418-82
Grant from the State Government for the Building of the University Office	565-00		Closing Balance	5,27,264-62
Loan for Construction of the Hostel for Chemical Engineering	1,45,000-00			
Grant from Sir Sayajirao Diamond Jubilee and Memorial Trust	3,00,000-00			
Total :	8,21,583-68		Total :	8,21,583-68

II—Ayurvedic Research Fund
(Subject to Audit)
1966-67

<i>Receipts</i>	<i>Rs.</i>	<i>P.</i>	<i>Payments</i>	<i>Rs.</i>	<i>P.</i>
Opening Balance as on 1-4-1966	11,47,227-07		Amount to be transferred for the excess recurring expenditure of the Sheth U. P. Ayurvedic Research Unit over and above State Government Grant		39,289-36
Interest	38,999-49		Closing Balance		11,46,937-20
				Total :	11,86,226-56

III—Post-graduate Instruction and Research Fund
(Subject to Audit)
1966-67

<i>Receipts</i>	<i>Rs.</i>	<i>P.</i>	<i>Payments</i>	<i>Rs.</i>	<i>P.</i>
Opening Balance as on 1-4-1966	44,72,154-25		Expenditure on Research :		1,06,638-72
Interest	1,43,634-50		Staff	29,432-26	
			Contingency	73,345-17	
			Scholarships etc.	3,851-29	
			Closing Balance		45,08,550-03
	Total :	46,15,188-75		Total :	46,15,188-75

186

REVENUE ACCOUNTS
(Subject to Audit)
1966-67

Appendix VIII

<i>Sr. No.</i>	<i>Particulars</i>	<i>Receipts Rs. P.</i>	<i>Sr. No.</i>	<i>Particulars</i>	<i>Disbursements Rs. P.</i>
1	2	3	1	2	3
I	Tuition Fee and other Income from Faculties & Institutions	31,44,809-17	I	University General Administration	4,02,344-33
(A) Faculties :			II	Examination Charges	5,39,962-81
(a) Faculty of Arts		4,81,431-13	III	Deadstock and Repairs	6,752-03
(b) Faculty of Science		7,10,002-19	IV	Publications	29,424-41
(c) Faculty of Education and Psychology		1,40,355-90	V	Information and Publicity	8,663-04
(d) Faculty of Commerce		3,92,312-45	VI	Remuneration to Lecturers	—
(e) (i) Faculty of Technology and Engineering		7,67,922-14	VII	Travelling Allowance	41,395-61
(ii) Expansion Scheme of Diploma Courses (Polytechnic)			VIII	Printing and Stationery	49,069-74
(f) Faculty of Law		1,85,070-75	IX	Maintenance of Building and Roads and Temporary Establishment for Capital Works (including Residential Quarters of N.C.C. Building)	91,091-47
(g) Faculty of Fine Arts		1,16,654-00	X	Maintenance of Gardens	34,195-38
(h) Faculty of Home Science		39,487-08	XI	Municipal Taxes and Law Charges	25,287-12
(i) Faculty of Social Work		2,12,621-51	XII	(a) University Contribution to Provident Fund	17,851-37
		25,065-52	(b)	Contribution to Gratuity Fund	10,792-00
			XIII	Miscellaneous	2,80,502-17

187

1	2	3	1	2	3
	(B) Institutions :		XIV Health Centre		40,445-36
	(1) College of Indian Music Dance and Dramatics		XV University Guest House		11,984-51
	(2) Preparatory Unit—Arts and Commerce	31,265-50	XVI 50% Expenditure of the University Grants Commission Unit		7,848-31
	(3) Preparatory Unit—Science	39-50	XVII University Library		2,71,859-95
	(4) Sanskrit Mahavidyalaya	1,672-00	XVIII Physical Education Department		1,36,333-89
	(5) Shri Manibhai Kashibhai Amin Arts and Science College and College of Commerce, Padra	3-50	XIX Faculties and Institutions		66,31,275-26
			(A) Faculties :		
		40,906-00	(a) Faculty of Arts		6,06,065-23
	II Examination Fees	7,04,155-83	(b) Faculty of Science		15,16,925-19
	III Other Fees	2,00,183-00	(c) Faculty of Education and Psychology		4,64,227-16
	IV Income from Publications	42,949-46	(d) Faculty of Commerce		2,17,160-51
	V-A Grant from the State Government (Block Grant)	35,00,372-00	(e) (i) Faculty of Technology and Engineering		14,19,417-14
	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)		(ii) Expansion Scheme of Diploma Courses (Polytechnic)		5,94,050-74
	(a) Grant from the University	—	(f) Faculty of Law		88,766-94
	(b) Grant from the State Government	—	(g) Faculty of Fine Arts		2,95,394-48
			(h) Faculty of Home Science		5,51,123-35
			(i) Faculty of Social Work		1,82,313-01

188

V-C 100% Grant from the University Grants Commission for Revision of Salary Scales of University Teachers in Technology and Engineering subjects as per A. I. C. T. E. Scales	2,50,000-00		(B) Institutions :		
VI Interest on Cash Balances	11,211-71		(1) Oriental Institute		2,02,692-15
VII Income from Halls of Residence for Students	4,65,516-25		(2) College of Indian Music, Dance and Dramatics		2,74,055-09
VIII Income from use and occupations of University Quarters and Bungalows including Furniture Rent	2,00,580-42		(3) Preparatory Unit—Arts and Commerce		41,125-80
IX Income from University Guest House	3,699-00		(4) Preparatory Unit—Science		31,588-37
X Miscellaneous Income	1,99,946-00		(5) Sanskrit Mahavidyalaya		76,020-64
XI Income from M. S. University of Baroda Press	3,17,478-89		(6) Shri M. K. Amin Arts and Science College and College of Commerce, Padra		70,349-46
XII Income from M. S. University Stationery Unit	1,47,234-59		XX M. S. University of Baroda Press		3,66,585-57
XIII Income from University Health Centre	4,596-46		XXI M. S. University of Stationery Unit		1,45,086-90
XIV Sheth U. P. Ayurvedic Research Unit	67,959-66		XXII M. S. University Publications Sales Unit		10,868-68
			XXIII Halls of Residence for Students		5,45,010-73
			XXIV Sheth U. P. Ayurvedic Research Unit		67,959-66
			XXV Development Schemes which have completed 5 years (from 1-4-1964 and onwards)		3,15,164-82

189

1	2	3	1	2	3
Excess of Disbursement over Receipt i.e. Deficit during the year 1966-67					
(a) Deficit on the normal Re- curring amount		5,11,913-86			
(b) Deficit on the Schemes which have completed Five Years period and for which 100% Grant is due from the State Government		3,15,164-82			
Total : 1,00,87,771-12			Total : 1,00,87,771-12		

Grants on Development and Research Scheme 1966-67

Sr. No.	Name of the Agency	Amount of Grant	
		Rs.	P.
1	University Grants Commission	19,19,334	38
2	Government of Gujarat (Matching Grant)	2,40,778	86
3	Ministry of Community Development and Co-opera- tion, Government of India	80,525	84
4	Ministry of Education, Government of India	2,93,846	54
5	Ministry of Health, Government of India	48,975	50
6	Ministry of Defence, Research and Development Organisation, Government of India	29,720	00
7	Planning Commission, Government of India	50,700	00
8	Council of Scientific and Industrial Research, New Delhi	44,103	69
9	Indian Council of Agricultural Research	2,700	00
10	Department of Science Education, National Council of Educational Research and Training	20,000	00
11	Government of Gujarat (Research and other schemes)	83,188	41
12	Directorate of Cottage Industries, Government of India	80,000	00
13	Ford Foundation—Home Science Project	2,71,978	53
14	UNICEF—Nutrition Programme	19,004	64
15	United State Department of Agriculture and Health, New Delhi (Am PL-480 Programme)	3,14,711	00
16	University of Michigan, U.S.A.	20,000	00
17	Indian Institute of Management	3,000	00
Total :		35,22,567	39

THE MAHARAJA SAYAJIRAO
HALLS OF
A Statement of students

Faculty	Shri K. M. Munshi Hall	Shri Manubhai Mehta Hall	Shri Sardar Patel Hall	Shri Maharshi Aurobindo Hall	Professor T. K. Gajjar Hall
Preparatory Science	74	11	7	—	42
Prep. Arts and Commerce	1	7	2	—	15
Faculty of Arts	3	6	6	7	3
Faculty of Commerce	6	15	14	13	35
Faculty of Science	24	23	46	20	30
Faculty of Education and Psychology	—	1	4	—	2
Faculty of Technology and Engineering	47	92	88	134	66
Polytechnic	2	10	2	10	6
Faculty of Medicine	18	16	13	12	34
Faculty of Social Work	—	1	2	1	2
Faculty of Fine Arts	2	10	5	1	1
College of Indian Music, Dance & Dramatics	—	—	1	—	—
Faculty of Law	—	—	2	1	—
Faculty of Home Science	—	—	—	—	—
Total :	177	192	192	199	236

UNIVERSITY
RESIDENCE, BARODA
admitted in 1966-67

Dr. Jivraj Mehta Hall	Shri Rabindra- nath Tagore Hall	Shri M. Vish- vesariya Hall	Siddharaj Jaisinh Nall	Shri Dadabhai Naoroji Hall	Total Men Students	Smt. Sarojini Devi Hall	Smt. Hansa Mehta Hall	Pandita Gargi Hall	Kasturba Gandhi Hall	Total Women Students	Grand Total
9	19	41	28	7	238	1	3	1	24	29	267
9	17	1	5	4	61	6	—	1	44	51	112
5	8	10	11	6	65	48	48	29	9	134	199
20	16	26	33	5	183	12	5	6	—	23	206
36	12	24	24	20	259	35	17	22	—	76	335
—	—	2	—	—	9	21	9	20	—	50	59
63	77	115	58	20	760	4	7	4	—	15	775
6	48	43	38	1	166	—	1	—	—	1	167
45	27	21	17	7	210	19	16	15	—	50	260
2	1	3	7	4	23	4	2	3	—	9	32
8	—	6	2	2	37	15	11	8	—	34	71
—	—	—	—	—	1	—	—	8	1	9	10
—	—	1	1	1	6	—	2	—	—	2	8
1	—	1	—	—	2	88	76	99	23	286	288
204	225	294	224	77	2,020	253	197	216	103	769	2,789