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M. S. University of Baroda

Nineteenth  
Annual Report

1967-68.

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**The Maharaja Sayajirao University  
of Baroda**



**NINETEENTH ANNUAL REPORT**

19  
**1967-68**



**BARODA**

NOT TO BE ISSUED

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

NINETEENTH ANNUAL REPORT, 1967-68

( 1st April, 1967 to 31st March, 1968 )

## 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 .. .. .	24
V	Other Boards and Committees .. .. .	30
VI	Research Work in the University .. .. .	37
VII	Lectures and Deputations .. .. .	44
VIII	Faculty of Arts .. .. .	56
IX	Faculty of Science .. .. .	63
X	Faculty of Education and Psychology .. .. .	75
	(A) University Experimental School .. .. .	82
XI	Faculty of Commerce .. .. .	85
XII	Faculty of Medicine .. .. .	88
	(A) Medical College .. .. .	88
	(B) Sheth Ujamshi Pitambardas Ayurvedic Research Unit .. .. .	91
XIII	Faculty of Technology and Engineering .. .. .	94
XIV	Faculty of Fine Arts .. .. .	100
XV	Faculty of Home Science .. .. .	106
XVI	Faculty of Social Work .. .. .	110
XVII	Faculty of Law .. .. .	115
XVIII	Oriental Institute .. .. .	117
XIX	College of Indian Music, Dance and Dramatics .. .. .	125
XX	Baroda Sanskrit Mahavidyalaya .. .. .	128
XXI	Preparatory Unit—Arts and Commerce .. .. .	131

CHAPTER NUMBER	SUBJECT	PAGES
XXII	Preparatory Unit—Science .. .. .	133
XXIII	The M. K. Amin Arts and Science College and College of Com- merce, Padra .. .. .	135
XXIV	Polytechnic .. .. .	139
XXV	Shrimati Hansa Mehta Library .. .. .	142
XXVI	The M. S. University of Baroda Press .. .. .	146
XXVII	The Maharaja Sayajirao University Union .. .. .	148
XXVIII	General Education Centre .. .. .	151
XXIX	Students' Welfare Activities .. .. .	154

### Appendices

I	Number of University Students .. .. .	163
II	Number of Non-University Students .. .. .	164
III	Statement showing Fourth Five Year Plan allocations .. .. .	165
IV	Number of Teachers .. .. .	170
V	List of Candidates qualifying for the Ph.D. degree in 1967-68 .. .. .	171
VI	Results of University Examinations held in March/April, 1967 .. .. .	173
VII	Results of University Examinations held in October/November, 1967 .. .. .	179
VIII	Capital Accounts .. .. .	184
IX	Revenue Accounts .. .. .	186
X	Grants for Development and Research Schemes 1967-68 .. .. .	191
XI	Number of students admitted in various Halls of Residence in 1967-68 .. .. .	192



His Highness the Maharaja Sir Sayajirao Gaekwad of Baroda

# THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA



NINETEENTH ANNUAL REPORT, 1967-68

## INTRODUCTION

The idea of establishing a University at Baroda had started engaging the attention of the former Government of Baroda State since the year 1909. Some schemes for the establishment of the University were framed but none of them materialised. The Baroda University Commission of 1927 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 among others 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 under 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 then 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 30th April, 1949 with the following institutions:

(a) Constituent Institutions under the Management of the University:

1. The Baroda Arts and Science College
2. The Pratapsinh College of Commerce and Economics
3. The Secondary Teachers' Training College
4. The Kalabhavan and the Engineering College
5. The Music College
6. The Oriental Institute

(b) Constituent College managed by the Government of Bombay:

7. The Baroda Medical College

(c) Constituent recognised Institutions managed by the Government of Bombay:

8. The Baroda Museum and Picture Gallery
9. The Baroda Sanskrit Mahavidyalaya.

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

**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 eighteen years, the total enrolment of students in the University has gone up from 2,962 to 14,235 registering an increase of 11,273 or almost a five-fold increase. The average yearly increase in the student enrolment since 1949 has been nearly 657.

In 1950, the total number of male students was 3,508. This number has increased to 10,906 in 1967-68 registering a rise of about three times. The rise in the enrolment of women students has been more remarkable. Between 1950 and 1967-68 the enrolment of women students in the University has increased from 484 to 3,329, a rise of almost seven times. On an average, the annual increase in the enrolment of women students in the University between 1950 and 1967 has been about 150.

The enrolment trends over the nineteen 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
1967-68	14235	1012	7.1



### University Teachers

*University Teachers and the Staff-Student Ratio:* The total number of teachers (including Assistant Lecturers and Part-time Lecturers) in the Faculties and the Institutions of the University during the year under report is 874 as against the total student enrolment of 14,235. This gives an over-all teacher-student ratio of 1:16.2. The corresponding strength of the university teachers and the staff-student ratio over the last 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
1967-68	874	14,235	1 : 16.2

### 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. At its start in 1949, the University had accommodation for only 400 men students and no accommodation for women students. At the end of the year under review there were 10 halls for men and 4 for women students. There were 2,059 men students and 757 women students in different halls. The percentage of students residing in the University hostels works out to be 19.8. The corresponding figures for the last 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
1967-68	2059	757	2816	19.8

*Health Service:* The health service facilities and medical treatment provided at the University Health Centre Clinic have continued to be extensively 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 cases treated and daily average attendance over a period of last five years:

Year	No. of Cases Treated				Total Cases	Daily Average Attendance
	Staff and their families	%	Students	%		
1962-63	4465	34.2	8587	65.8	13052	47.6
1963-64	5024	33.0	10184	67.0	15208	41.6
1964-65	5282	32.5	10986	67.5	16263	44.3
1965-66	5419	33.4	10795	66.6	16214	44.4
1966-67	7046	38.9	11055	61.1	18101	49.8
1967-68	7133	36.4	12413	63.6	19546	53.4

### Other Developments

In the last eighteen 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 continues 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 are being added; provision of adequate staff, improvement of old buildings, addition of new buildings, increased grants for equipments and teaching aids, provision for a closer contact between the 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—these have continued to receive the closest attention of the University authorities.

The University's record of achievements and innovations over the past eighteen years is impressive. 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 first 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 in the Faculty of Education and Psychology has been up-graded 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 by the Ministry of Education as a Teacher Training Centre for lecturers of Engineering subjects. It has also started 9 post-graduate courses in the different branches of Applied Mechanics and Civil, Mechanical and Electrical Engineering, for which grants are being 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 Eighteen Annual Reports that have been published so far. This Nineteenth Annual Report covers the period from the 1st April, 1967 to the 31st March, 1968 and is submitted to the Senate in accordance with Section 24(2) of the Maharaja Sayajirao University of Baroda Act as amended up-to-date.

## CHAPTER I—GENERAL

### 1. Institutions in the University

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

1. Faculty of Arts, 2. Faculty of Science, 3. Faculty of Education 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 14,235 (10,906 men students and 3,329 women students) and that of non-University students was 1,917 (1,312 men students and 605 women students). The details of the students are given in Appendices I and II.

### 3. Special Features of the year

#### (1) Convocation:

- (i) The Seventeenth Annual Convocation was held on 14th October, 1967. Dr. P. B. Gajendragadkar, Vice-Chancellor, University of Bombay, delivered the Convocation Address. The Chancellor presided.
- (ii) The Eighth Supplementary Convocation was held on 31st March, 1968. The Vice-Chancellor presided.

The following degrees and diplomas were conferred during the Convocations:

Sr. No.	Degree/Diploma	Annual Convocation October, 1967	Supplementary Convocation March, 1968	Total
1.	Ph.D. (Arts)	3	1	4
2.	Ph.D. (Science)	6	7	13
3.	Ph.D. (Education and Psychology)	2	2	4
4.	Ph.D. (Medicine)	—	1	1
5.	Ph.D. (Technology & Engineering)	—	1	1
6.	M.D.	6	10	16
7.	M.S.	7	7	14
8.	M.A.	85	—	85
9.	Acharya	2	—	2
10.	B.A.	302	44	346

Sr. No.	Degree/Diploma	Annual Convocation October, 1967	Supplementary Convocation March, 1968	Total
11.	Shastri	7	—	7
12.	B.Lib. Science	10	—	10
13.	M.Sc.	132	1	133
14.	B.Sc.	130	40	170
15.	M.Ed.	13	—	13
16.	B.Ed.	163	1	164
17.	D.G.C.	3	—	3
18.	M.Com.	17	—	17
19.	B.Com.	317	37	354
20.	Diploma in Banking	29	—	29
21.	Diploma in Co-operation	1	—	1
22.	M.Sc. ( In Medical Subjects )	2	3	5
23.	M.B. B.S.	17	48	65
24.	D.A.	3	2	5
25.	D.M.R.	—	2	2
26.	D.L. & O.	1	—	1
27.	D.Ped.	2	4	6
28.	D.V. & D.	2	—	2
29.	T.D.D.	2	—	2
30.	D.C.P.	1	7	8
31.	D.G.O.	5	6	11
32.	M.E.	13	27	40
33.	B.E.	352	20	372
34.	B.Text. ( Engg. )	14	—	14
35.	B.Text. ( Tech. )	16	—	16
36.	B.Arch.	36	8	44
37.	Dip. in Ref. & Air-Conditioning	1	6	7
38.	LL.M.	3	—	3
39.	LL.B.	84	46	130
40.	D.T.P.	25	—	25
41.	D.L.P.	26	—	26
42.	M.A. ( Fine )	2	—	2
43.	M.Mus.	2	—	2
44.	B.A. ( Fine )	3	—	3
45.	B.Mus.	9	—	9
46.	Diploma in Museology	3	—	3
47.	M.Sc. ( Home )	22	9	31
48.	B.Sc. ( Home )	86	26	112
49.	Dip. in Nursery School Education	2	—	2
50.	M.S.W.	21	6	27
Total ..		1990	372	2362

(2) *New Courses:*

The University started the following new courses during the year:

- ( i ) Bachelor of Law—LL.B. ( Special )
- ( ii ) Diploma in Russian Language

(3) *New Buildings:*

The following works were completed during the year:

- ( i ) Building for Shri M. K. Amin Arts and Science College and College of Commerce, Padra
- ( ii ) Extension to the M. S. University Press Building for the S.S.C. Examination Board, Gujarat
- ( iii ) Building for the University Campus, Branch of the Bank of Baroda Ltd. near the Union Pavilion.

(4) *Fourth Plan—Humanities, Sciences and General Schemes:*

On the recommendation of the Visiting Committee, the University Grants Commission have approved the development schemes of higher education in Humanities including Social Sciences, Sciences including Home Science and General Schemes with their share of Rs. 81,02,000 during the Fourth Five Year Plan as shown below:

( i )	Spill-over of the Third Plan Schemes	<i>U.G.C.'s share</i>
( ii )	Schemes approved prior to the visit of the University Grants Commission Visiting Committee	Rs. 9,24,000
( iii )	Staff in Humanities and Sciences	Rs. 19,09,000
( iv )	Equipments	Rs. 6,44,000
( v )	Books and Journals	Rs. 8,56,000
( vi )	Instructional Buildings	Rs. 7,39,000
( vii )	Library Building	Rs. 17,54,000
( viii )	General Schemes	Rs. 2,00,000
		Rs. 10,76,000
		Rs. 81,02,000

The details of the sanction are given in the Statement enclosed as Appendix III.

(5) *Summer Institutes, Schools, Seminars, Conferences:*

The following Summer Institutes, Seminars and Conferences were held under the joint auspices of the University Grants Commission and the University:

- ( i ) Summer Institute in Physics for College Teachers under the Directorship of Professor N. S. Pandya

- (ii) Summer Institute in Mathematics for College Teachers under the Directorship of Professor U. N. Singh
- (iii) Summer Institute in English for College Teachers under the Directorship of Professor V. Y. Kantak
- (iv) Seminar on History Teaching under the Directorship of Professor S. C. Misra
- (v) Summer School in Refrigeration and Air-Conditioning under the Directorship of Professor L. B. Shah
- (vi) Sequential Summer School in Electrical Engineering under the Directorship of Professor S. M. Sen
- (vii) 12th Session of the Akhil Bharatiya Darshan Parishad
- (viii) 26th Annual Conference of the Association of Principals of Technical Institutions
- (ix) Symposium on University Administration in collaboration with Baroda Branch of the All India Institution in Public Administration, under the Directorship of Professor P. J. Madan, Pro-Vice-Chancellor.
- (6) *The following are some of the other distinguished visitors to the University:*
- (i) Professor T. A. Razaev, 19-10-1967  
Expert in Sociology, Khirgiz University
- (ii) Mr. Earle, 28-1-1968  
Chief Representative, British Council, New Delhi
- (iii) Mr. Hanson, 10-2-1968  
Director, United States Information Service, Bombay
- (iv) Mr. Daniel M. Braddock, 10-2-1968  
Consul General, United States Government, Bombay
- (v) Dr. G.R.G. Hambly, 14-2-1968  
British Council Expert for the Centres of Advanced Study in India, New Delhi
- (vi) Dr. T. B. Morgon, 19-2-1968  
Chief Nutrition Training, Food and Agriculture Organisation, New Delhi
- (vii) Professor Mayekar, 21-2-1968  
Education Minister, Government of Goa, Goa
- (viii) Shri Shriman Narayan, 29-2-1968  
Governor of Gujarat State

(7) *Other Events:*

- (i) The staff and students of the University collected an amount of Rs. 2,405-29 during the year for the Koyana Earthquake Relief Fund. Last year they collected Rs. 8,045-10 for the purpose. The total amount collected for the above purpose comes to Rs. 10,450-39.
- (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	102	71	69.6%
'C' Certificate	10	9	90%
'G' I Certificate	4	4	100%
'G' II Certificate	4	4	100%

4. **Teaching Staff**

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

Professors: Shri K. S. Desai (Political Science); Dr. A. N. Jani (Sanskrit); Dr. C. H. Pathak (Botany); Dr. D. M. Desai (Educational Administration); Dr. R. T. Shah (Mechanical Engineering); Shri R. C. Patel (Mechanical Engineering).

Readers: Shri D. R. Gadaker (Petroleum Geology); Dr. J. R. Pandya (Physics); Dr. A. P. Verma (Mathematics); Dr. N. H. Shah (Chemistry); Shri N. C. Shah (Civil Engineering); Shri M. M. Pathan (Electrical Engineering); Shri Y. K. Kardile (Instrumentation Engineering); Smt. Jayprabha B. Patel (Foods and Nutrition); Dr. (Kumari) Savitri Kotecheri (Foods and Nutrition); Smt. Jyoti D. Dangoria (Home Management); Smt. Anjali S. Merh (Dancing); Shri H. C. Mehta (Sanskrit); Shri C. K. Shah (Civil Engineering).

Lecturers: Dr. R. Geib (German); Shri C. M. Patel (Economics); Shri A. K. Agrawal (Electrical Engineering); Shri N. Laxminarayan (Chemical Engineering); Shri K. C. Patel (Applied Mechanics); Shri K. K. Thakkar (Electrical Engineering); Dr. J. M. Trivedi (Chemistry); Shri M. R. Thakkar (Civil Engineering); Shri V. S. Patel (Civil Engineering); Shri D. M. Shah (Civil Engineering); Shri K. V. Gautam (Civil Engineering); Shri R. R. Purohit (Applied Mechanics); Shri J. K. Vyas (Applied Mechanics); Shri A. V. Shroff (Applied Mechanics); Shri R. H. Shah (Applied Mechanics); Shri K. M. Shah (Textile Engineering); Kum. K. G. Patel (Pottery and Ceramics); Shri V. C. Shah (Painting); Shri G. T. Shaikh (Art History); Kum. Vidya Dave (Child Development); Smt. Tarulata Sutaria (Child Development); Kum. T. S. Saraswathi (Child Development); Smt. Leela Gulati (Home Management);

Dr. (Kum.) Mariamma Mathew (Home Management); Dr. (Kum.) Vijaya Taneja (Home Management); Dr. B. N. Chaulkar (Clothing and Textiles); Shri S. V. Bhattbhatt (Sanskrit); Shri L. J. Jha (Sanskrit); Shri S. Y. Misra (Sanskrit); Shri J. R. Pathak (Sanskrit); Shri R. R. Joshi (Mathematics); Shri P. M. Shah (Physics); Dr. T. I. Patel (Chemistry); Shri Y. M. Naik (Biology); Kum. S. L. Sinha (Psychology); Shri R. D. Pathak (Hindi); Shri M. C. Patel (Economics); Shri R. R. Parikh (Applied Mechanics); Shri R. D. Bhatt (Applied Mechanics);

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

*Teachers Retired:*

Readers: Shri V. B. Cholkar (Mathematics)

Lecturers: Shri B. G. Dave (Mechanical Engineering); Shri S. I. Patel (Mechanical Engineering)

*Teachers Resigned:*

Professor Dr. C. P. Shukla (Library Science)

Readers: Dr. M. G. Krishnamurthi (English); Shri J. G. Advani (Electrical Engineering); Dr. B. S. Patel (Chemical Engineering)]

Lecturers: Smt. M. G. Majmudar (Economics); Shri H. C. Mehta (Library Science); Dr. N. V. Vallyathan (Zoology); Shri K. K. Vithani (Chemical Engineering); Shri S. R. Shah (Mechanical Engineering); Shri Ajit Chakravarti (Sculpture); Kum. Siddiq Hussain (Social Work)

*Teachers Expired:*

Professor: Professor A. R. Chavan (Botany)

Reader: Dr. V. B. Trivedi (Hindi)

Lecturer: Shri B. L. Sinha (Hindi)

(3) The total number of teaching staff (excluding those (94) in Medical College) consisted of 44 Professors, 102 Readers, 276 Lecturers, 144 Instructors, 139 Assistant Lecturers, 26 Honorary, Part-time and others, the total being 731 (Appendix IV)

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

(1) The following teachers, who were granted facilities for further studies abroad, returned to the University:

Sr. No.	Name of the Teacher	Qualifications and Experience acquired
1	Dr. J. D. Birjepatil, Lecturer in English	M.A., Ph.D. (Manchester)
2	Dr. (Smt.) D. V. Shah, Lecturer in Bio-chemistry	Specialisation in Plant Bio-chemistry

Sr. No.	Name of the teacher	Qualifications and Experience acquired
3	Dr. H. R. Chokshi, Lecturer in Bio-Chemistry	Specialised training in the field of Organ Culture
4	Dr. N. M. Vashi, Lecturer in Geology	Completed Post-Doctorate Research assignment
5	Dr. V. K. Shah, Lecturer in Microbiology	Completed Post-Doctorate Research assignment
6	Dr. P. V. Parikh, Reader in Applied Mechanics	Ph.D.
7	Dr. A. S. Phadke, Reader in Mechanical Engineering	Ph.D.
8	Dr. B. N. Chaulkar, Lecturer in Textile Chemistry	Ph.D. in Clothing and Textiles
9	Professor K. G. Subbramanyan, Professor of Painting	Study of Arts in U.S.A.
10	Kum. Vidya Dave, Lecturer in Child Development	Special Advanced courses in Child Development and Family relation
11	Dr. (Kum.) M. Mathew, Lecturer in Home Management	Ph.D. in Home Management and Equipments
12	Dr. (Kum.) Vijaya Taneja	Ph.D. in Home Management and Housing
13	Smt. Leela Gulati	M.S. (Family Economics)
14	Shri J. K. Motwani, Lecturer in Social Work	M.S.W., School of Social Work, Smith College, Northampton, U.S.A.

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

Sr. No.	Name and Designation	Purpose
1	Shri M. M. Dadi, Lecturer in Economics	Further studies in Economics in U.S.A.
2	Shri C. K. Seshadri, Lecturer in English	The Teaching of English Language, Devner, U.S.A.
3	Shri M. H. Vasavada, Lecturer in Mathematics	Doctorate Fellowship of Wisconsin University at Madison, U.S.A.
4	Dr. B. K. Shah, Lecturer in Zoology	Research Associateship in North West University in U.S.A.
5	Dr. A. J. Patel, Lecturer in Bio-Chemistry	Specialisation in the field of Brain Bio-Chemistry in U.K.
6	Dr. D. K. Mainnigi, Lecturer in Bio-Chemistry	Post-doctoral training in U.S.A.
7	Shri O. P. Goyal, Lecturer in Mathematics	Post-graduate course in Functional Analysis organised by the Aarhus University of Denmark

Sr. No.	Name and Designation	Purpose
8	Shri S. N. Shah, Lecturer in Mathematics	Doctorate Research work at the Syracuse University, U.S.A.
9	Shri G. V. Shah, Lecturer in Mathematics	Doctorate Research work at the Syracuse University, U.S.A.
10	Shri D. J. Mehta, Reader in Business Administration	Advanced Training in Business Administration at the University of Harvard, U.S.A.
11	Shri R. N. Chokshi, Lecturer in Civil Engineering	Higher studies in Civil Engineering in U.S.A.
12	Shri N. R. Parikh, Lecturer in Applied Mechanics	Higher studies in Civil Engineering in U.S.A.
13	Shri R. L. Gandhi, Reader in Civil Engineering	Higher studies leading to M.S./Ph.D. in Sanitary Engineering in U.S.A.
14	Shri G. V. Shah, Lecturer in Mathematics	Higher studies leading to Ph.D. in Mathematics in U.S.A.
15	Shri V. S. Shah, Reader in Applied Mechanics	Higher Studies leading to Ph.D. in Structural Engineering in U.S.A.
16	Shri A. S. Loiwal, Lecturer in Mechanical Engineering	Higher studies in Instrumentation at USSR.
17	Shri C. D. Desai, Reader in Civil Engineering	Higher studies in U.S.A.
18	Shri S. N. Pandya, Lecturer in Applied Mechanics	Higher studies leading to M.S. in Structures in U.S.A.
19	Shri H. V. Bhavnani, Lecturer in Civil Engineering	To avail of UNESCO Fellowship for post-graduate course in Hydrology
20	Shri M. A. Mehta, Lecturer in Civil Engineering	Higher studies leading to M.S. in Civil Engineering in U.S.A.
21	Kum. T. S. Saraswathi, Lecturer in Child Development	Ph.D. in Home Economics Education (Ford Foundation Fellowship)
22	Smt. Anjali D. Mehta, Lecturer in Child Development	Advanced courses in Child Development and Pre-School Education
23	Kum. Nalini Ogale, Lecturer in Home Management	Ph.D. in Home Management
24	Dr. (Smt.) Pramila Phatak, Reader in Child Development	To visit Centres of Research in Child Development in U.S.A.

#### 6. University Examination Results

23 candidates were declared qualified for the award of the Ph.D. degree of this University in the year 1967-68. The names of the candidates, subject and the title of thesis are given in Appendix V.

Statements showing the results of (i) March-April-May-June, 1967 and (ii) October-November, 1967 examinations are given in the Appendices VI and VII.

#### 7. Finances of the University

(1) *Endowments received during the year.*

The Syndicate accepted the following donations:

##### (a) Shri Chhotabhai B. Patel Memorial Prize Fund:

Donation of Rs. 5,000/- from Smt. Shantaben C. Patel, for awarding a prize in cash to a student securing the highest number of marks at the Final Year B.A. Examination of the M. S. University of Baroda held in March/April at the first attempt taking 'Ancient Indian History and Culture' as Major subject.

##### (b) Shri H. Y. Saleskar Pathology Prize Fund:

Donation of Rs. 1500/- from Dr. H. Y. Saleskar, for awarding a prize in cash at the Annual Social of the Medical College to a lady student of the regular batch, who passes the IInd M.B.B.S. Examination at the first attempt, obtaining the highest number of marks in Pathology.

##### (c) Professor A. R. Chavan Memorial Prize Fund:

Donation of Rs. 2,500/- in the form of 30 Second Preference Shares of Tata Iron and Steel Co. Ltd., from the President, Medical Inspection Board, for awarding a prize in cash to a student who passes the B.Sc. (Final) examination of March/April of the M. S. University of Baroda at the first attempt obtaining the highest number of marks in Botany (Principal).

##### (d) Professor T.K.N. Menon Prize Fund:

Donation of Rs. 3,000/- in form of 30 Second Preference Shares of Tata Iron and Steel Co. Ltd., from the Old Students Association of the Faculty of Education and Psychology, for awarding four cash prizes of Rs. 60, 50, 50 and 40 to the students securing the highest number of marks/grade in the aggregate at the first attempt amongst all the successful candidates of the (1) Master of Arts—Psychology, (2) Bachelor of Arts—Psychology, (3) Diploma in Education and (4) Diploma in Early Childhood Education Examinations respectively conducted by the M. S. University of Baroda in March/April.

##### (2) *Capital Accounts:*

Statements showing the income and expenditure of the (i) University General Fund, (ii) Ayurvedic Research Fund, and (iii) Post-graduate Instruction and Research Fund during the period from the 1st April, 1967 to 31st March, 1968 are given in Appendix VIII.

##### (3) *Revenue Accounts:*

The receipts and disbursements during the financial year 1967-68 are Rs. 1,09,14,600-78 and Rs. 1,25,27,693-23 respectively leaving a deficit of Rs. 16,13,092-45. Details of the accounts are given in Appendix IX.

(4) *Grants:*

The University received the grants of Rs. 34,60,067-32 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 (Am PL 480) and other bodies. The details are given in Appendix X.

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

The Division supervised the construction works of various buildings, extensions, additions, alterations and an amount of Rs. 5,92,239-72 was spent during the year on capital works. Also the building works viz. Boys Hostel, Girls Hostel and Office building of Sir Sayajirao Diamond Jubilee and Memorial Trust were supervised and the amount of Rs. 7,98,035-32 was spent during the year from the advances received from the Trust from time to time.

(2) *Ordinary and Special Repairs:*

The total expenditure on repair works during the year was Rs. 1,20,297-09 and Rs. 1,72,175-86 on ordinary and special repairs respectively. Also an expenditure amounting to Rs. 7,037-67 was incurred on immediate-petty repairs to building.

## CHAPTER II—OFFICERS OF THE UNIVERSITY

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

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

(2) *The Vice-Chancellor:*

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

He attended the meetings of the Vice-Chancellors of the Gujarat State Universities, Council of Management for Educational Activities of the Nehru Foundation for Development, All India Vice-Chancellor's Conference, Gujarat State Industrial Research Committee, State Education Advisory Conference and Annual as well as Special meetings of the General Council of the National Institute of Community Development, etc. He visited the American Studies Research Centre at Hyderabad in April, 1967. He also visited various Universities and Educational Institutions in Beirut, Frankfurt, U.K., U.S.A. and Japan under the Ford Foundation grant during the period between 23rd January and 7th March, 1968.

(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, Board of Governors of the Indian Institute of Technology, A.I.C.T.E., Western Regional Committee, A.P.T.I. Executive Council, Inter-University Board of India and Ceylon, Vice-Chancellors of the Statutory Universities in the State of Gujarat and Maharashtra, etc.

(4) *Deans:*

The following Officers worked as Deans of the various Faculties:

<i>Faculty</i>	<i>Dean</i>
( i ) Arts	Professor V. Y. Kantak
( ii ) Science	Professor A. R. Chavan (expired on 5-5-1967) Professor N. S. Pandya (from 5-5-1967)
( iii ) Education & Psychology	Professor M. S. Patel
( iv ) Commerce	Dr. K. N. Naik

- ( v ) Medicine ( Faculty )  
( College ) Dr. T. V. Patel  
Dr. A. D. Joseph ( upto 11-11-1967 )  
Dr. S. M. Sen ( from 13-11-1967 )
- ( vi ) Technology and  
Engineering Professor L. B. Shah
- ( vii ) Law Professor H. C. Dholakia
- ( viii ) Fine Arts Professor N. Chaudhuri
- ( ix ) Home Science Professor ( Kum. ) Justina A. Singh
- ( x ) Social Work Professor G. G. Dadlani

## ( 5 ) Registrar:

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

## ( 6 ) Librarian:

- Dr. C. P. Shukla Librarian ( upto 14-9-1967 resigned )
- Shri H. C. Mehta Offg. Librarian ( upto 23-6-1967 )
- Shri A. V. Thakore Offg. Librarian ( upto 29-9-1967 )
- Shri M. F. Lokhandwala Officer-in-charge ( from 30-9-1967 )

## ( 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 ( upto 30-4-1968 )    |
| ( iii ) Shri H. C. Mehta        | Principal, Sanskrit Mahavidyalaya   |
| ( iv ) Shri K. D. Shah          | Principal, Polytechnic  |
| ( v ) Shri I. A. Dave           | Principal, M. K. Amin Arts and Science College and College of Commerce, Padra |
| ( vi ) Shri K. S. Yajnik        | Head, Preparatory Unit—Arts and Commerce ( on leave from 25-8-1967 )          |
| Dr. B. G. Desai                 | Offg. Head, Preparatory Unit—Arts and Commerce ( from 25-8-1967 )             |
| ( vii ) Shri C. J. Shah         | Head, Preparatory Unit, Science   |
| ( viii ) Shri M. M. Chokshi     | Offg. Principal, University Experimental School                               |

## CHAPTER III—THE SYNDICATE AND THE SENATE

## 1. The Syndicate

The Syndicate consisted of 15 members. During the year the Syndicate held 10 meetings in which they considered and passed resolutions on 851 items. The following statement shows the attendance of the members at ordinary and Special meetings of the Syndicate during the year:

Name	No. of meetings held	Class of meetings O-Ordinary S-Special	Present	Absent
			4	5
Dr. C. S. Patel, Vice-Chancellor	10	O.3 S.7	O.3 S.6	— S.1
Professor P. J. Madan, Pro-Vice-Chancellor	10	O.3 S.7	O.3 S.6	— S.1
Director of Education or his nominee	10	O.3 S.7	O.2 S.6	O.1 S.1
Shri J. S. Parikh	10	O.3 S.7	O.3 S.7	— —
Shri N. D. Chokshi	10	O.3 S.7	O.3 S.6	— S.1
Shri C. C. Mehta	10	O.3 S.7	O.3 S.6	— S.1
Shri P. C. Hathi	10	O.3 S.7	O.3 S.7	— —
Shri N. B. Amin	10	O.3 S.7	O.3 S.5	— S.2
Shrimati A. B. Patel	10	O.3 S.7	O.3 S.5	— S.2
Dr. C. B. Patel	10	O.3 S.7	O.3 S.6	— S.1
Dr. T. V. Patel	10	O.3 S.7	O.3 S.6	— S.1
Professor V. Y. Kantak	10	O.3 S.7	O.3 S.7	— —
Professor S. M. Sethna	10	O.3 S.7	O.3 S.5	— S.2
Professor L. B. Shah	10	O.3 S.7	O.3 S.7	— —
Professor H. C. Dholakia	10	O.3 S.7	O.3 S.7	— —

## 2. The Senate

The Senate consisted of 93 members. The changes in the membership during the year were as under:

- ( i ) The following persons ceased to be members of the Senate:  
Hon'ble Justice Shri N. M. Miabhoy, Dr. A. D. Joseph, Dr. C. P. Shukla, Shri J. P. Naegamwala and Shri A. S. Latif.
- ( ii ) The following persons became members of the Senate:  
Dr. S. M. Sen, Shri C. C. Patel and Shri Rajendra Dev.

The Senate met thrice during the Year.

A Special meeting was held on 20th August, 1967 and 77 members attended the meeting. The Second and the third meetings were held on 15th October, 1967 and 31st March, 1968. 57 members attended the meeting held on 15th October, 1967 and 59 on 31st March, 1968.

- ( a ) First meeting ( Special ) ( 20th August, 1967 ).

The following resolution was passed:—

“ That in view of the actions already taken by the University administration, the Vice-Chancellor is hereby authorised to take such further steps as he may consider necessary in order to determine whether the Maharaja Sayajirao University of Baroda Act requires to be amended in the light of the recently published Report of the Committee on Model Act for Universities ( Ministry of Education, Government of India—1964 ) and the Report of the Kothari Commission; and in case any amendment is considered necessary, he may take suitable action in the matter ”.

- ( b ) Second meeting ( 15th October, 1967 )

The following business was transacted:

The elections of the Pro-Vice-Chancellor and of a teacher on the Council of Post-graduate Studies and Research were held. Three fellows were assigned to the Faculties. Lapsed grants amounting to Rs. 51,500/- in the Capital Budget and Supplementary grants amounting to Rs. 3,03,814/- in the Revised Budget were sanctioned. Proposals for amendment of Statutes 91, 125, 136, and 209A were considered and passed. The Eighteenth Annual Report and the Eighteenth Annual Accounts for the year 1966-67 were passed and the excess of expenditure over the revised estimates for the year 1966-67 was also approved. The report of the Board of Accounts for the years 1965-66 and 1966-67 was considered and passed. The proposal to institute 2 posts was considered and passed.

- ( c ) Third meeting ( 31st March, 1968 )

Two fellows were assigned to the Faculties. Replies to questions were given. The Annual Financial Statement comprising of the re-

vised estimates for the year 1967-68 and the estimates for the year 1968-69 was considered and passed. The proposal for amendment of Statute 193 was referred back to the Syndicate. Proposals for amendment of Statutes 199 and 200 were considered and passed. Ordinances relating to the Examinations, Syllabi, Standard of passing etc. for the Faculties of ( i ) Arts, ( ii ) Technology and Engineering and ( iii ) Home Science and the List of text-books prescribed were considered and passed. The proposal to institute 29 posts was considered and passed.

## 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 12th August and 14th December, 1967 and considered in all 57 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 1968-69. The titles of the schemes are given in Chapter VI—Research Work in the University.

(2) Recorded the 32nd and 33rd half-yearly progress reports of the Critical Editions of Old Gujarati Texts (Prachin Gurjar Granthamala).

(3) Recommended that (i) The Central Institute of English, Hyderabad, (ii) The Institute of Tropical Meteorology, Poona, (iii) The Institute of Mathematical Sciences, Madras and (iv) The Engineering Research Institute, Gujarat State, Baroda be recognised as Institutes 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 the recognition of 20 more teachers as post-graduate teachers in different subjects.

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

Sr. No.	Name of the Faculty	Date of the meeting
( i )	Arts	30-9-1967
( ii )	Science	30-9-1967
( iii )	Commerce	30-9-1967
( iv )	Education and Psychology	15-9-1967
( v )	Medicine	30-9-1967
( vi )	Technology and Engineering	20-1-1968
( vii )	Fine Arts	16-1-1968
( viii )	Home Science	9-10-1967 and 10-2-1968
( ix )	Social Work	31-8-1967
( x )	Law	9-4-1967 9-9-1967 and 10-2-1968

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

#### (1) Faculty of Arts:

- ( i ) A course in the German Language at the First Year Arts be started from June, 1968.
- ( ii ) Students holding an M.S.W. degree be considered eligible for admission to M.A. ( Sociology ) class from 1967-68 as on par with those fulfilling the requisite minimum of 2 subsidiary papers in Sociology at B.A.
- ( iii ) The subject ' Ancient Indian Culture ' at B.A. and ' Archaeology and Ancient Indian History ' at M.A. be named as ' Indian History Culture and Archaeology ' at all levels but for S.Y.B.A. subsidiary and F.Y.B.A. it be called as ' Indian Culture ' so as to give a complete idea about the fundamentals of Indian Culture and the syllabi thereof.
- ( iv ) Students holding B.Com. degree or B.Sc. ( Statistics Economics ) degree of this University be considered eligible for admission to M.A. ( Economics ) course.
- ( v ) Students who have passed the Shastri examination with English of this University only be considered for admission to the M.A. degree course with Sanskrit as the principal subject.

#### (2) Faculty of Science:

- ( i ) Post-graduate course in Petroleum Geology and Diploma course in Laboratory Techniques be instituted;
- ( ii ) The syllabus for the new course in Soil Microflora as a special subject at the M.Sc. ( Final ) examination in Botany be approved;
- ( iii ) The subject of Plant Bio-Chemistry be introduced as one of the options for the special paper in M.Sc. Bio-Chemistry;
- ( iv ) Students be allowed to offer Statistics and Economics as subsidiary subjects to Geography in B.Sc. course besides all existing groups.

#### (3) Faculty of Commerce:

- ( i ) The title ' Statistical Methods ' of one paper at the M.Com. examination be changed to ' Managerial Statistics '.
- ( ii ) The syllabi in various subjects of the revised M.Com. examination be approved and given effect to from the academic year 1968-69.
- ( iii ) The Gujarat Co-operative Societies Act, 1961 and the Rules framed thereunder be introduced at the Under-graduate and Post-graduate courses in Co-operation, in the place of the Bombay Co-operative Societies Act, 1925 and the Rules framed thereunder.

## (4) Faculty of Education and Psychology:

- (i) Ordinance B.Ed. 1 be amended so as to give the benefit of eligibility for admission to the B.Ed. course in this University to students who have passed the Bachelor Degree examination as external students and who have served as teachers for at least two years in recognised schools.
- (ii) S.Y. B.A. students of the Faculty of Arts be allowed to take Psychology as a minor subject along with Ancient Indian Culture.
- (iii) The recommendations made by the Special Committee regarding the revision of syllabi and Ordinances relating to the M.Ed., B.Ed., Dip. Ed., D.G.C. and Diploma in Early Childhood Education consequent upon the change of the Marks System to the Grade System be accepted.

## (5) Faculty of Medicine:

- (i) The duration of Post-graduate Diploma courses be of two years after full registration with effect from June, 1967 as recommended by the Medical Council of India and approved by the Central Government. The syllabi, the scheme of examinations, etc. will remain the same as at present.
- (ii) General principles prescribed for the pattern of dissertations for the M.D. and M.S. examinations be accepted for adoption from April, 1968.
- (iii) The following Military Hospitals be recognised for purposes of Post-graduate training for the degree and diploma courses:
  - (a) I.N.H.S. Ashvaini Hospital, Bombay, (b) Air Force Hospital, Secunderabad, (c) Military Hospital, Bangalore, (d) Military Hospital, Calcutta and (e) Military Hospital, Namkum (Ranchi).
- (iv) The M.B. B.S. examinations be held on dates as shown below:
  - (a) Regular First M.B.B.S.—Last Monday in September every year.
  - (b) Supplementary First M.B.B.S.—First Monday in December every year.
  - (c) Regular Second M.B.B.S.—15th April, every year.
  - (d) Supplementary Second M.B.B.S.—15th July, every year.
- (v) The following ratio be approved in appointing examiners in the subjects of Medicine and Surgery:

Candidates	Examiners
30	2
31 to 60	4
61 and more	6

## (6) Faculty of Technology and Engineering:

- (i) Engineering 'Geology' be introduced as an elective subject in the Final Year B.E. (Civil) course.
- (ii) Paper no. 9 of M.E. (I.C.E.) Part III Examination be split up into two parts viz.: (a) Gas Dynamics and (b) Gas Turbines and Jet Propulsion.
- (iii) The Post-Diploma and Diploma examinations in Refrigeration and Air-Conditioning be conducted semester-wise.
- (iv) The subject of General Education be deleted from the schemes of teaching and examination for the first Semester of B.E. (Electronics).
- (v) The title of M.E. (Electrical) in Servo-Mechanism and Automatic Control Devices be changed to 'ME. (Electrical) in Automatic Control Engineering' from August, 1968.
- (vi) The present requirement of admission to F.Y. B.Arch. course be raised from 45% to 50% marks in the aggregate at the qualifying examination. The admission to the course be regulated through the competitive selection test to be conducted by the University.
- (vii) Candidates passing B.E. (Electronics) degree examination of this University or any other examination recognised as equivalent thereto, with at least 55% marks in the aggregate be considered eligible for registration for M.E. (Electrical) in Automatic Control Engineering.

## (7) Faculty of Fine Arts:

- (i) The courses in History of Art at B.A. (Fine) and the courses in Graphic Arts at M.A. (Fine) and Post-Diploma levels be instituted.
- (ii) The subject 'Figure Drawing and Illustration' be considered as an independent subject.
- (iii) Dissertation be made obligatory for the M.Mus. degree examinations in Music, Dance & Dramatics.
- (iv) Students offering second study in a subject be given exemption in the theory part of the second study provided the theory part is covered in the subject of specialisation in B.Mus.
- (v) Degree students who have failed in the subject of Specialisation at the Second Year degree course leading to the examination of B.Mus. be permitted to change the subject of specialisation to the subject of second study, provided they have passed in the subject of second study.

## (8) Faculty of Home Science:

- (i) The syllabi, the scheme of examination, the standard of passing and admission requirements, etc., for the new Post-graduate Diploma course in Dietetics as recommended by the Board of Studies in Foods and Nutrition be approved.

- (ii) The change in the present mode of evaluation in the Final Grade from a 10-point scale to the original 3-point scale be approved with effect from June 1968.

(9) Faculty of Social Work:

- (i) Curriculum and reading lists for the academic years 1968-70 be approved.

(10) Faculty of Law:

- (i) The following nomenclatures for the degrees in Law be accepted:
- (a) LL.B. (General) for the two year (Non-Professional) degree course.
- (b) LL.B. (Special) for the three year (Professional) degree course.
- (ii) The details of the courses for First LL.B. (General) and LL.B. (Special) examinations be approved in the light of the recommendations of the Bar Council of India.
- (iii) The provision for granting A.T.K.T. to the students failing at the First and Second examinations for the degree of LL.B. (General) and LL.B. (Special) be accepted.
- (iv) The following standard of passing at the LL.M. examination from the academic year 1968-69 be approved:
- (a) 50% .. .. Second Class
- (b) 66 $\frac{2}{3}$ % .. .. First Class
- (c) 75% .. .. First Class with Distinction.

3. Board of Studies

Sr. No.	Name of the Board	Date of the meeting
(i)	Sanskrit, Pali and Prakrit Language and Literature	1-8-1967
(ii)	Persian, Urdu and other Asian Languages and Literature	16-8-1967
(iii)	Hindi Language and Literature	2-8-1967
(iv)	Gujarati Language and Literature	3-8-1967
(v)	Marathi Language and Literature	1-8-1967
(vi)	English Language and Literature	4-8-1967
(vii)	Modern and Ancient European Languages and Literature	4-8-1967
(viii)	Sociology	7-8-1967
(ix)	History, Archaeology and Ancient Indian Culture	5-8-1967
(x)	Philosophy	22-7-1967
(xi)	Linguistics	8-8-1967
(xii)	Physics and Meteorology	14-8-1967
(xiii)	Chemistry	4-9-1967
(xiv)	Botany	17-8-1967
(xv)	Zoology	15-7-1967

Sr. No.	Name of the Board	Date of the meeting
(xvi)	Bio-Chemistry	25-8-1967
(xvii)	Microbiology	26-8-1967
(xviii)	Geology	17-8-1967
(xix)	Education and Educational Administration	15-9-1967
(xx)	Psychology	15-9-1967
(xxi)	Accounts	23-8-1967
(xxii)	Commerce including Business Administration	24-8-1967
(xxiii)	Co-operation	24-8-1967
(xxiv)	Anatomy and Physiology	5-9-1967
(xxv)	Pharmacology and Pathology	5-9-1967
(xxvi)	Medicine, Surgery, Midwifery etc.	2-9-1967
(xxvii)	Civil Engineering and Applied Mechanics	20-11-1967
(xxviii)	Mechanical Engineering and Metallurgical Engineering	20-11-1967
(xxix)	Electrical Engineering and Electronics	20-11-1967
(xxx)	Chemical Engineering	20-11-1967
(xxxi)	Technology (Textile)	11-9-1967
(xxxii)	Architecture	13-11-1967
(xxxiii)	Law	9-9-1967
(xxxiv)	Painting, Sculpture and Applied Arts	7-10-1967
(xxxv)	Music, Dance and Dramatics	16-9-1967
(xxxvi)	Museology	4-9-1967
(xxxvii)	Child Development	25-8-1967
(xxxviii)	Foods and Nutrition	25-8-1967
(xxxix)	Home Science Education and Extension	25-8-1967
(xl)	Clothing and Textiles and Home Management	25-8-1967
(xli)	Social Work	31-8-1967
(xlii)	Mathematics	18-8-1967
(xliii)	Statistics and Actuarial Science	26-8-1967
(xliv)	Geography	22-8-1967
(xlv)	Economics	10-8-1967

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

Two meetings of the University Board of Sports were held during the year. The Board appointed a Committee to select (i) teams for participating in All-India Tournaments, (ii) the coaches—(a) Shri G. Kishanchand for Cricket, (b) Shri J. M. Ghorpade for Tennis, and (c) Shri Y. S. Yadav for Kho-Kho (men and women). It recommended the purchase of a Suction Sweeper for the University Swimming Pool. It also considered various points about the working and development of the Physical Education Department.

#### 2. Student-Welfare Board

A meeting of the Board was held on 8th September, 1967. The Board recommended that (i) one room in the Halls of Residence in each of the three areas, viz. Girls' Halls, Boys' Halls and Boys' Halls near the Polytechnic be kept vacant for the use of sick students, (ii) a "Suggestion Box" for inviting suggestions for the improvement of students' welfare be put up in all the Institutions, (iii) a good Canteen with a hall be developed for rest, recreation and meeting for day students on the campus of the Commerce, Arts, Science and Education and Psychology faculties and (iv) a Gymnasium be considered to be built.

#### 3. Publication Board

The Board met on 29th July, 1967. It considered and recommended the publication of the following works:

(i) The Fratricidal War—by Professor Henry Wells, (ii) "Museums Today"—by Dr. Grace Morley, (iii) "Gujaratana Jatikuloni Mimamsa"—by Shri P. G. Shah, (iv) "A Study of the Growth and Development of the Maharaja Sayajirao University of Baroda"—by Professor D. M. Desai and Kumari Saraswati Pandit, (v) "Ethics of Shikshapatri"—by Dr. B. G. Desai.

Besides the above, the Board approved the programme of publication of four works under the Gaekwad's Oriental Series.

#### 4. Board of Extra Mural Studies

The Board met on 16th September, 1967 and recommended a programme of extension lectures by University teachers and outside experts. An amount of Rs. 9,050/- was sanctioned for the purpose.

#### 5. Library Committee

The Committee met on 15th April, 1967. It approved the terms and rates for the supply of books by the approved vendors for the year 1967-68 and also approved the procedure to be adopted for the purchase of books etc. from the vendors.

#### 6. Building and Planning Committee and University Buildings Committee

A meeting of the University Building and Planning Committee was held on 13th December, 1967. It recommended that (i) the works of 100% grants from the University Grants Commission be taken up on hand soon and the works of sharing grants be executed subject to the Gujarat Government's concurrence and assurance of funds, (ii) the ordinary and special repairs to the various buildings of the University be carried out and (iii) a provision of Rs. 25,200/- in the revised estimates for the year 1967-68 be made for making necessary arrangements for the water supply scheme in the University Campus.

#### 7. Standing Committee on Equivalence of Examinations

The Committee met on 14th December 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. It recommended that *status quo* be maintained and O. 173 governing the conditions of recognition of examinations be not amended for the benefit of external candidates for joining higher courses of studies in this University. It also recommended uniform conditions of recognition for the recognition of Oversea School Certificate, General Certificate of Education (Ordinary-Level) and Indian School Certificate examinations of the Cambridge University and of other examining bodies in U.K.

#### 8. Board of Visitors

Meetings of the Board of Visitors for the Faculties of Arts, Science, Technology and Engineering, Medicine and the Polytechnic 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 Arts*: The Board met on 25th September, 1967 and recommended that (i) the introduction of compulsory one year classes in Modern European Languages for M.Sc. students as prescribed for M.E. students be referred to the Board of Visitors for the Faculty of Science, (ii) the post of Lecturer in German be converted into that of Reader in German, (iii) the purchase of a typewriter with Russian letters be approved, (iv) urgent steps be taken to provide additional equipments, books and staff as approved by the University Grants Commission in the IVth Five Year Plan.

(2) *Faculty of Science*: The Board met on 27th September, 1967 and recommended that (i) the subjects of Neuro-Chemistry and Plant Bio-Chemistry be introduced, (ii) the evening Diploma Course in Laboratory Techniques be started if the industries support it fully, (iii) one of the vacancies in the teaching post of a Lecturer in Botany be filled up with Soil Microflora Specialisation, (iv) the Geology Department should concentrate on development of studies in Petroleum Geology, (v) the need for the course in Engineering Geology as an elective subject at final year B.E. (Civil) Course be explored, (vi) the two posts of Laboratory Assistants in the Zoology Department be re-designated as Laboratory Technicians.

(3) *Faculty of Medicine*: The Board met on 20th November, 1967 and recommended that (i) necessary equipments required for running of the courses of D.O. and M.S. (Ophth) be provided as the Department is not properly equipped as required by the Medical Council of India. In case this is not done, the teaching of these courses may have to be discontinued, (ii) the Clinical Units be properly equipped to facilitate the teaching of undergraduate and post-graduate courses, (iii) the new Surgical Block be fully and urgently equipped with modern equipments before it starts functioning and the Dean's proposals in the matter be implemented, (iv) there should be full six Units in each of the Clinical subjects. All the Clinical Units need not be headed by full-timers, in view of the past experience that there are many frequent changes therein. Hence some of the Clinical Units be headed by part-timers (meaning thereby 5 to 6 hours work in the hospital and college and private practice allowed outside their duty hours) besides those headed by Honoraries and full-timers to ensure availability of good teachers, (v) the term of appointment of Honoraries should be five years at a time in order to ensure confidence for proper performance of their duties. No one should be appointed as Honorary or Assistant Honorary unless he has put in 10 years' experience in the field in the place concerned, (vi) more X-ray plates, medicines and equipments be provided, (vii) the post-graduate Departments be recognised with an additional full-time person as its Head/Director in order to develop a good research programme in course of time, (viii) the library grants be increased substantially in view of increased prices of books and journals on account of devaluation, (ix) the hours and days for which the library remains open be extended from 8 a.m. to 10 p.m. as on the lines of Shrimati Hansa Mehta University Library, (x) A non-M.B. B.S. student of M.Sc. Courses in Medical Sciences like Anatomy, Physiology etc. should undergo a training of 3 to 3½ years as recognised by the Medical Council of India, (xi) Non-medical persons qualified with Post-graduate degrees in basic medical sciences would stick to the department as teachers and hence the admissions of non-medical students be continued, (xii) from amongst the first five students who have passed I M.B. B.S. Examination, the State Government be requested to give sufficient incentives to them to take up a basic Medical Science degree of B.Sc. (Hons.), (xiii) the proposal for starting a Diploma course in Pharmacy at the Medical College, Baroda, be approved, and the matter be pursued with the State Government by the Dean, (xiv) the proposal to start

Post-graduate Doctorate Course in Preventive and Social Medicine be generally approved and steps be taken to obtain the services of Specialists in Mathematical Epidemiologist and Medical Entomologist which might mean an additional cost of Rs. 2,000/- per year for the College.

(4) *Faculty of Technology and Engineering*: The Board met on 3rd October, 1967 and recommended that (i) the Geological Engineering be introduced as an optional subject at the degree level and be referred to the relevant Board of Studies, (ii) the Post-graduate Diploma course of one year duration in Dock and Harbour Engineering as in Indian Institute of Technology, Bombay be introduced and be referred to the relevant Board of Studies, (iii) the State Government be requested to expedite sanction about their share of the matching grants so that the University may give the necessary undertaking to implement the pending schemes, (iv) the teachers be encouraged to engage themselves more in Research Projects.

(5) *Polytechnic*: The Board met on 29th September, 1967 and recommended that (i) arrangement may be made to keep the Polytechnic Library open from 8-00 a.m. to 10-00 p.m., (ii) admissions in the First Year Diploma Classes be restricted to not more than 400 students.

#### 9. The Academic Committee

The Committee met on 10th August, 1967. It considered the proposal contained in the D.O. letter of the Secretary to the Government of India, Ministry of Education, for introducing Compulsory N.C.C. Training in the First Year of the undergraduate courses and not in the Preparatory Unit Courses where there is a lot of wastage and recommended that the *Status-quo* be maintained. It also considered the Report of the Review Committee set up by the University Grants Commission on the introduction and development of Military Science as a course of study in Universities and Colleges and recommended that it is not in favour of introducing such a course in this University. It also recommended that it is not possible to introduce military history and war strategy as subjects of study at Undergraduate or Post-graduate level in this University, as suggested in the minutes of the meeting of the Standing Committee of the Inter-University Board of India.

#### 10. The Preparatory Courses Committee

The Committee met on 3rd April, 1967 and recommended the introduction of a course in German Language at Preparatory level on par with other second languages from the academic session 1967-68. It also recommended appointment of members in the Sub-Committees for smoothening the work of admissions to Preparatory Courses in Arts, Science and Commerce in the session 1967-68. It approved the changes in the Text-Books for English, Hindi, Gujarati and Pali as well as the syllabus in General Science for students of the Preparatory Arts and Commerce Courses.

## 11. Deans' Meeting

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

- ( i ) The follow-up work of the medical inspection of the students be carried out thoroughly as formulated by the Medical Inspection Board.
- ( ii ) The rules for granting exemptions from N.C.C./Physical Training be observed scrupulously.
- ( iii ) The N.C.C. camps be held during Winter Vacations.
- ( iv ) The cover page and format of the prospectuses of the Faculties and Institutions be on the lines of the prospectus of the Faculty of Fine Arts.
- ( v ) All the students of the University, especially those taking their examinations, must always carry with them their identity cards.
- ( vi ) Any person, not taking his examination at a particular examination centre or not connected with the conduct of the examinations at that centre and yet found loitering in the buildings where the University Examinations are being conducted should be seriously dealt with by the Senior Centre Supervisor. If such a person is a student of the University, he may be at once suspended from his studies and if he is a non-student, he may be even handed over to the Police as a trespasser by the Senior Centre Supervisor.
- ( vii ) The University examinations may be held only during a vacation period.
- ( viii ) Arrangement of supervision work by teaching staff-members for conducting the test examinations efficiently be approved.
- ( ix ) The question of increasing the number of working days in the University as recommended by the Kothari Commission was considered and suggestions were invited from the Deans and the Heads.

## 12. 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 members of the staff regarding the study leave, the leave without pay for study abroad and the extension of leave, etc. The recommendations of the Committee were placed before the Syndicate.

The Committee met as the Budget Committee on 18th January, 1968. It submitted to the Syndicate the revised estimates for the year 1967-68 and estimates

for the year 1968-69 after scrutinising various proposals received from the Faculties, Institutions and the Office of the University. It also recommended to the Syndicate to appoint an Economy Committee to suggest ways and means to effect economy in the working of the University and to give their report for consideration by the Syndicate. Seven meetings of the Economy Committee were held and three interim reports were submitted to the Syndicate.

## 13. The Investment Committee

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

## 14. The Press Supervisory Committee

Six meetings of the Committee were held during the year. They considered the monthly reports of the Manager regarding the work of the Press, the Stationery Unit and the Publication Sales Unit and also the printing programme, and made recommendations regarding the purchase of paper, stationery, equipment etc.

## 15. Shri Sayaji Sahityamala Publication Committee

The Committee met on 16th August, 1967 and recommended the publication of the following works:

- ( i ) આકાશના દીવા—by Shri Rajnikant Modi, ( ii ) ખેતી સુધારણાની થોડીક વાતો—by Shri Y. I. Pandya, ( iii ) પંચતંત્રની વાર્તાઓ ભાગ ૧-૨ અને હિતોપદેશની વાર્તાઓ ભાગ ૧-૨, બીજી આવૃત્તિ—by Shri Chandrashankar M. Bhatt.

## 16. Sir Sayajirao III Memorial Research Prize Fund Committee

The Committee met on 16th August, 1967 and declared the award of the Essay Prize of Rs. 300/- to Shri Vasantkumar Somabhai Parekh for his essay on ' અર્વાચીન ભારતીય ઇતિહાસમાં શ્રીમંત સયાજીરાવ ગાયકવાડનું પ્રદાન '. It also decided to invite essays on the subject ' ધાર્મિક મૂલ્યો અને સમકાલીન જીવન ' for the year 1967-68.

## 17. The Advisory Committee for the Halls of Residence

The Committee met on 1st August, 1967 and considered the possibility of having the "approved houses of categorised types" for students who do not secure admissions in the Halls of Residence.

## 18. The Wardens' Committee

Two meetings of the Committee were held during the year. It approved a general scheme for the revival of the Central Committee for Halls of Residence and the revised application forms for the new and old students. The revised budget for the year 1967-68 and the estimates for the year 1968-69 were prepared and submitted to the Syndicate for approval.

### 19. The Advisory Committee of the Students' Health Centre

The Committee held two meetings during the year. It recommended appointment of two honorary physicians, an honorary lady gynaecologist and an honorary eye-surgeon in the Health Centre for extending facilities to staff members and students of the University.

### 20. The N.C.C. Senior Division Advisory Committee

The Committee met on 15th November, 1967 and recommended that necessary water taps be installed for drinking water for cadets on parade grounds. It also decided that the Deans should call all the defaulter cadets of their Faculties and explain to them the need of attending the parades regularly.

### 21. The Advisory Board for the University Journal

The Board met on 21st August, 1967 and recommended appointments of members on three Editorial Boards of the Journal for (i) Humanities Number, (ii) Social Sciences Number and (iii) Science Number; and an editor of each number.

### 22. Sheth U. P. A. R. Unit Committee

The Committee met on 17th July and 25th August, 1967 and recommended appointment of a Sub-Committee to submit recommendations to the Committee regarding the ways and means for carrying out researches on theory of Ayurveda and other objectives of application in the use of Indian Medical Plants.

### 23. The Manuscripts Purchase Committee

The Committee met on 16th December, 1967 and recommended purchase of four manuscripts and paintings amounting to Rs. 1,828/-.

### 24. Selection Committees

During the period from 1st April, 1967 to 31st March, 1968, there were 12 meetings of the Selection Committees appointed under Section 48 (2) of the Act and they recommended 12 candidates for appointment to the posts of Professors and Readers in various Faculties and Institutions in the University. There were 14 meetings of the Standing Selection Committees for junior posts and 34 meetings of the Standing Selection Committees for Class III posts and 63 candidates respectively were recommended by these committees for appointment to different posts in the University.

### 25. The M. S. University Students' Aid Fund

The Committee met on 9th October, 1967. The total amount of help given to the students by way of tuition fees, examination fees, books, education materials, medical help, loans etc., during the year 1967-68 was Rs. 23,835-38.

## CHAPTER VI—RESEARCH WORK IN THE UNIVERSITY

During the year, post-graduate teaching and research work was carried on in almost all the Faculties and Institutions of the University. The 417 students, who were registered for the Ph.D. degree in previous years, continued work on their research dissertations. The 58 new students (15 in Faculty of Arts, 29 in Faculty of Science, 9 in Faculty of Education and Psychology, 3 in Faculty of Medicine, 1 in Faculty of Technology and Engineering and 1 in Faculty of Fine Arts) were registered for the Ph.D. degree during the period under report.

The following research schemes were financed by the University:

<i>Faculty/Department</i>	<i>Research Scheme</i>
<b>Faculty of Arts</b>	
History	History of Gujarat under the Muslims.
Political Science	Political behaviour in the Baroda City during the Fourth General Election.
Sanskrit	Preparing a Critical Edition of the Sahityavidyadhari, a Commentary on Shri Harsa's Naisadhiya Caritam.
<b>Faculty of Science</b>	
Physics	(i) Study of dislocation and the Strength of Crystalline Solids.
	(ii) Study of molecular spectra of the halides of Zinc and other allied Diatomic Molecules.
	(iii) Study of metal crystal order-disorder and phase transformation in alloys.
Chemistry	(i) Studies in the Synthesis of Furocoumarins.
	(ii) Electron Transfer and Oxygen Absorption Reactions.
Botany	(i) Ecophysiological Studies on important weeds.
	(ii) Studies on the Changes in Respiration Rate and Nitrogen Content associated with the Growth of Plant Tissue Cultures.
	(iii) Studies on Microclimate.
	(iv) Botanical Exploration of Selected Areas of Gujarat.
	(v) Studies on Pattern of Growth and Cell Division in Suspension Cultures derived from the Roots of higher plants.

*Faculty/Department**Research Scheme*

- Zoology ( i ) Study of the House Sparrow as a part of the International Biological Programme.  
( ii ) Study of the Feather Moults.
- Bio-chemistry Studies on Limb-Bone Rudiments of Embryonic Chicks grown in Vitro.
- Microbiology ( i ) Studies on Hydrocarbon Utilizing Microbes.  
( ii ) Studies on the Enzyme Induction and Reversible Mutation in Molds.
- Geography The Towns of Gujarat: ( 1 ) Population Pattern in the Towns of Gujarat, ( 2 ) Morphology of the Towns of Gujarat, ( 3 ) Small ports of Gujarat, ( 4 ) The Kandala Port.

**Faculty of Technology and Engineering**

- Architecture Manufacture of Special Items of Building Materials and Components necessary for Modern Construction and Cost Saving Techniques.
- Chemistry Intermediates and Dyes—Part I Synthesis of Anthracene Derivatives.
- Applied Mechanics ( 1 ) Flexoral Rigidity of Castellated Steel Beams.  
( 2 ) Torsional Rigidity of Box Girders.  
( 3 ) Critical Rigidity of Inter-connected Bridge Girders.  
( 4 ) Critical Load of Flexible Columns.  
( 5 ) Moment Redistribution in R. C. Single Arch Frames.  
( 6 ) Flexoral Rigidity of the R. C. Beams due to Bending and Direct Loads.  
( 7 ) The Ultimate Strength of Reinforced Concrete Hinges.  
( 8 ) The Flexoral Rigidity of the R. C. Beams under Assymmetrical Bending.

**Faculty of Education and Psychology**

- Psychology ( i ) Development of a Scale to measure Dependence Proneness in Class-room.  
( ii ) Study of the Degree of Adjustment of Adolescent pupils and its Relationship with School Achievement.

*Faculty/Department***Faculty of Home Science***Research Scheme*

- Child Development Continuities and Discontinuities in Lives of Indian Adolescent Girls.

**Faculty of Medicine**

- ( i ) Early Detection of Cancer of Papanicolaou Smear.  
( ii ) Abdominal Tuberculosis.  
( iii ) Scheme for providing grants for the Histopathology and Mycology Laboratory in order to take over various problems of investigations.  
( iv ) ( a ) Project I—Surgical Sepsis.  
( b ) Project II—Superficial Microflora of Dermatological Patients.  
( v ) On the Studies on Enzyme Contents of Regenerating Liver in Laboratory Rats subjected to Partial Hepatectomy.

**3. Research Schemes Sponsored by Outside Agencies**

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

*Department**Title of the Project**Name of the Financing Agency***Faculty of Arts**

- Agricultural Economics ( i ) Implementation of Tenancy Abolition—Emerging Pattern of Land Rights and Agricultural Production in the Gujarat State  
( ii ) Changing Farm Production and Organisation in Developing Agriculture—A Case Study of the Impact of Developmental Efforts in Agriculture in a District in the Gujarat State
- Sociology ( i ) Saurashtra C. D. Research Project  
( ii ) Functional and Dysfunctional Aspects of the working of the C.D.P. in Gujarat, India
- Research Programmes Committee Planning-Commission, Government of India, New Delhi  
United States Department of Agriculture—Am-PL 480 Programme  
U. S. Education Foundation in India  
Central Government through the Central Institute of Studies and Research, Mussorie

Department	Title of the Project	Name of the Financing Agency
Bio- Chemistry	( i ) FG-In-176 Effect of Protein Malnutrition and of Different Protein Foods on Learning Performance	United States Department of Agriculture (Am-PL-480 Programme)
	( ii ) FG-In-178 Studies on Pyridinonucleotide Metabolism in Normal Tissue and Crown Gall Tumour of <i>Althea rosea</i> ( Holly-hock )	"
	( iii ) FG-In-224 Ascorbic Acid Secretion during Lactation	"
	( iv ) FG-In-240 Laboratory Studies on the Fermentative Production of Microbial Lipases that are useful in converting vegetable oils to products of higher value as a basis for increasing the utilization of Soyabean and Linseed Oils	"
	( v ) FG-In-245 Studies on Sewage Purification	"
	( vi ) FG-In-258 Studies on Organic Acid Metabolism in Fruit Tissues Leading to Development of Processing Methods Yielding Fruit Products of Improved flavour and Texture	"
	( vii ) Psychological and Mental Studies to measure Nutritional Impact of the PL-480 Title II	United States of American Agency for International Development ( USAID )
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 ) In Vitro Studies of the Pollen Cultures of Plants	Gujarat State Industrial Research Committee
	( iii ) Experimental Induction of Tissues Differentiation and Organ Initiation from Plant Tissues cultured in Vitro	C.S.I.R.

Department	Title of the Project	Name of the Financing Agency
Chemistry	( i ) Organometallic Semiconductors	C.S.I.R.
	( ii ) Separation of Alkaloids	Gujarat State Industrial Research Committee
	( iii ) Co-ordination Polymers	"
	( iv ) Study in Liquid Crystals Effect of Structure on the Phase Transition of the Liquid Crystalline Substances	"
Geology	( v ) Study in Liquid Crystalline	C.S.I.R.
	( i ) Geological Investigation of Pre-Cambrian Terrains of the Gujarat State	C.S.I.R.
	( ii ) Terrain Evaluation Project Phase II—Studies of South-Western Rajasthan, etc.	Ministry of Defence
Microbiology	( i ) Metabolic Changes involved in Ripening of Mangoes	United States Department of Agriculture—Am-PL-480 Programme
	( ii ) Role of Biotin in Fatty Acid Diogenesis in Molds	C.S.I.R.
	( iii ) Mechanism of Carotene Biosynthesis in Mangoes and Carrots	C.S.I.R.
Physics	Study of Band Spectra of some Diatomic Molecules	Gujarat State Industrial Research Committee
Statistics	Demographic Research Centre	Government of India Ministry of Health
Zoology	( i ) Physiology of the Khapra Beetle <i>Trogoderma Granarium</i>	United States Department of Agriculture—Am-PL-480 Programme
	( ii ) Histophysiological and Biochemical Studies on the Muscle and Blood with emphasis on Lipid Metabolism	Muscular Dystrophy Association of America Inc., U.S.A.
	( a ) Effect of Denervation and Vitamin E Deficient Diet in the Pigeon	
	( b ) On samples of Muscles Biopsies and of Blood from Human Muscular Dystrophy Patients	

Department	Title of the Project	Name of the Financing Agency
<b>Faculty of Education and Psychology</b>		
Psychology	( i ) Behavioural Problems of Normal School going Children Ages— 7, 8 9 and 10	University Grants Commission
<b>Faculty of Commerce</b>		
Economics	Mobilisation of Research for Village Panchayats in the Baroda District	R. P. C. Planning Commission, Government of India, New Delhi
<b>Faculty of Technology and Engineering</b>		
Civil Engineering	Sagol Research Project	Department of Industries, Gujarat State
Mechanical Engineering	One Stroke Engine ( Gujarat State, Industrial Research Council Scheme )	Department of Industries, Government of Gujarat
<b>Faculty of Home Science</b>		
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
	( iii ) Effects of School Lunch Programme on Growth Rate, Physical Activity and Psychological Performance of School going children in a village	UNICEF, New Delhi
	( iv ) Interpersonal relationship of village families, related to Problems of Family Planning	Ministry of Health, Government of India
Home Management	( i ) Sources and Utilization of Income and Management of Money and Non-money Resources of a selected sample of households from a village and Baroda City over a period of years	Ford Foundation

Department	Title of the Project	Name of the Financing Agency
	( ii ) Cost of Fuels	Ford Foundation
	( iii ) Iron Performance	"
Home Science Education & Extension	( i ) The Development of Educational Methods and Materials to help rural and urban families improve levels of living by better use of existing resources	Ford Foundation
	( ii ) Developing a Model Constitution for organization of Mahila Mandals in Rural areas	"
	( iii ) Application of Research findings in changes of Home Science Curriculum of Secondary School	"
Clothing and Textiles	( i ) Clothing Usages and Practices in India, based on a representation population sample large enough to ensure cells of size sufficient that they can be treated independently in regard to region, religion, caste, education, economic level, place of dwelling. ( Urban and Rural )	Ford Foundation
	( ii ) Body Measurement of men, women and children	"
	( iii ) Today's Fabrics, their selection and care	"
<b>Faculty of Social Work</b>		
Social Work	( i ) A Study of the Conflicts of the young adult students in relation to Parental Norms and Behavioural Manifestations of these	United States Department of Health Education and Welfare—Am-PL-480 Programme
	( ii ) A Study of the Conditions and Care of the aged in Rural Communities as found in certain parts of Gujarat	University Grants Commission

## 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 the Universities and/or National Laboratories etc. :

#### Faculty of Arts

Name of the Lecturer	Date	Subject
1 Shri S. S. Tarapore, Dy. Director, Economics Department, Reserve Bank of India, Bombay	8-12-1967 9-12-1967	Foreign Private Investment and International Transmission of Technology to the Developing Countries
2 Prof. Ramprasad Shukla, Principal, Arts College, Cambay	9-12-1967	Navi Gujarati Kavita
3 Shri S. Ramani, Research Associate, Computer Group, Tata Institute of Fundamental Research Bombay	9-1-1968 10-1-1968	Computer—Theoretic Appro- aches to Behavioural Sciences, Mathematical Linguistics and Psycho Linguistics, (Linguistics Department)
4 Dr. M. S. Agwani, Head, Department of West Asia, Indian School of Inter- national Studies, New Delhi	15-1-1968 to 17-1-1968	5 Lectures on West Asia
5 Dr. Brij Raj Chauhan, Institute of Sciences, Agra University, Agra	29-1-1968	Towns and Tribal Areas
6 Prof. Gautam Mathur, Osmania University, Hyderabad	9-2-1968 10-2-1968	3 Lectures on the Economics of Growth
7 Prof. K. T. Jahagirdar, K. C. College, Bombay	12-2-1968	The Problem of Perception in Indian Philosophy
8 Prof. Vasant Bapat, Bombay	20-2-1968	Marathi Poetry
9 Dr. A. Appadorai, Former Director, ISIS, Delhi	7-3-1968 to 9-3-1968	5 Lectures on the Theory of International Relations

#### Faculty of Science

1 Dr. J. A. Watters, Professor of Chemistry, Ohio State University	14-6-1967	Modern Methods of studying Equilibria in Aqueous Solution
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Name of the Lecturer	Date	Subject
2 Dr. P. N. Rao, Department of Physiology, University of Kentucky, U.S.A.	28-6-1967	Studies on Hela Cells
3 Dr. T. N. Rao, Director, Vitrus Research Centre, Poona	10-7-1967	Research Activities of the Virus Research Centre, Poona
4 Dr. R. L. Singhal, Department of Pharmacology, University of Ottawa, Canada	12-7-1967 ( i ) 13-7-1967 ( ii )	Regulation of Enzymes Effect of Sex Hormones on Regulation of Enzymes
5 Dr. D. K. Dastur, Neuropathology Unit, J. J. Hospital, Bombay	5-8-1967	Neurological Methods
6 Dr. Srivastava, Atira, Ahmedabad	25-8-1967	Carbohydrate Polymers
7 Prof A. R. Roy, Head, Statistics Department, Lucknow University, Lucknow	25-8-1967 26-8-1967	2 Lectures on the Statistical Inference
8 Dr. V. B. Chipalakatti, Director, Shri Ram Institute for Industrial Research, Delhi (Dr. K. G. Naik Gold Medalist, 1967)	13-10-1967	Improving Abrasion Resistance of Cotton Cellulage
9 Prof. Nishith, Department of Physiology, Medical College, Baroda	13-11-1967	High Altitude Research
10 Dr. T. V. Subaiah, Alembic Chemical Works, Baroda (Eight lectures on each Friday during the sub- sequent weeks)	17-11-1967 onwards	Microbial Genetics
11 Mr. V. J. Amin, Alembic Chemical Works, Baroda ( Four lectures on each Monday during the subsequent weeks)	20-11-1967 onwards	Bio-chemical Engineering

Name of the Lecturer	Date	Subject
12 Dr. P. S. Narayan, Associate Professor of Indian Institute of Science, Bangalore	3-12-1967	Atmospheres of Planets
13 Dr. G. Bangaswami, Dean, The University of Agri- cultural Sciences, Hebbal, Bangalore-24	5-12-1967	Microorganism in Soil. Rhizo- sphere Micro-organisms
14 Dr. N. Prasad, Dean, College of Agriculture, University of Udaipur, Udaipur	11-12-1967 12-12-1967 13-12-1967	Introduction and Development of Plant Pathology Variability in Fungi Present Position of Plant Patho- logy in India
15 Dr. J. N. Chatterjee, Professor of Chemistry, Patna University	21-12-1967 22-12-1967	Synthesis in Phetocarpus Group Trans Alkylations involving Aromatic Methoxyl Group
16 Dr. M. M. Shah, Principal, Arts and Science College, Kapadvanj	9-12-1967	Chemical Research in Western India during the first quarter of a Century
17 Prof. S. N. Agrawal, Director, Demographic Re- search Centre, Bombay	21-12-1967	Demographic Problems
18 Mr. Allenburg, Chief, USAID Programmes	3-1-1968	Nutrition
19 Prof. P. R. White	6-1-1968	History and Place of Tissue Culture in Biology
20 Prof. M. R. G. Conzen, University of New Castle upon Tyne, Department of Geo- graphy Claremont Road, Daysh Building, New Castle upon Tyne-1, England	11-1-1968 12-1-1968	Recent work in Urban Morpho- logy Historical Townscapes in Britain as a problem in Applied Geography
21 Dr. V. G. Bhide, Professor of Physics, Bombay University	11-1-1968	Magnetic and Electric properties of Solids
22 Mr. R. N. Singh, Molecular Biology Unit, Tata Institute of Fundamental Research, Bombay	11-1-1968 12-1-1968 13-1-1968	Mechanism of Bacterial Trans- formation

Name of the Lecturer	Date	Subject
23 Professor V. P. Vaishnav, Medical College, Baroda	23-1-1968	Interferons
24 Dr. N. N. Murti, Principal, Ramnarayan Jhunjhunwala College, Ghatkoper, Bombay	5-2-1968 6-2-1968	Developmental Zoology
25 Dr. A. G. Jhingran, Professor and Head of the Geology Department, University of Delhi	8-2-1968 9-2-1968	(1) Base Metals in India (2) Iron and Steel Industries in India and their raw materials (3) Bundelkhand Granite and Granitisation (4) Lonar Lake and its Sali- nity
26 Dr. A. Parthasarathi, Professor and Head of the Geology Department, I.I.T., Powai	10-2-1968 26-2-1968 27-2-1968	(5) Koyna Earthquake (1) Geological Features of Dam Sites and Remedial Measures to be adopted (2) Prospecting Techniques (3) Sedimentation and Characteristics of Sedi- ments
27 Professor V. S. Huzurbazar, Head, Department of Mathematics and Statistics	28-2-1968 12-2-1968 13-2-1968 14-2-1968	(4) Minerals in Sedimentaries 6 Lectures on the Statistical Inference
28 Dr. T. V. Desikacharya, Professor of Botany, University of Madras, Madras-5	4-3-1968 5-3-1968 6-3-1968	Experimental Taxonomy of Algae Some aspects of ecology of Algae-I Some aspects of ecology of Algae-II

#### Faculty of Education and Psychology

1 Professor J. R. Panakar	25-1-1968	Problem of Crime and the Role of Psychologist in Crime pre- vention
2 Professor V. K. Kothurkar, Head, Department of Psychology, University of Poona	12-2-1968 to 16-2-1968	Memory Processes

Name of the Lecturer	Date	Subject
<b>Faculty of Commerce</b>		
1 Shri V. B. Haribhakti, President, Institute of Chartered Accountants of India	2-12-1967	(1) Evaluation of Capital Investment (2) Tax Consideration in Foreign Collaboration Agreements
2 Shri P. R. Dubhashi, Director, Vaikunthbhai Mehta National Institute of Co-operative Management, Poona	11-1-1968	Strategy of Co-operative De- velopment
3 Professor A. M. Khusro, Institute of Economic Growth, New Delhi	12-1-1968	Agricultural Taxation
4 Shri A. K. Mukherjee, Dy. Secretary, Ministry of Commerce, New Delhi	16-1-1968 17-1-1968	Corporate Taxation in India
5 Professor V. S. Murthy, Professor in Business Manage- ment, Jammalal Bajaj Institute of Management Studies, Bombay	22-1-1968	(1) Bank Management under Social Control (2) Capital Budgetting in Marketing Management
6 Shri M. Narsimham, Secretary, Reserve Bank of India, Bombay	25-1-1968	Credit Planning—The French Example for India
7 Shri B. N. Datar, Member-Secretary, National Commission on Labour, Government of India, New Delhi	27-1-1968	Some Facets of Labour Ad- ministration
8 Dr. Kamal Chaudhary, Institute of Management, Vastrapur, Ahmedabad	10-2-1968	Management of Change
9 Shri V. M. Jakhade, Dy. Economic Adviser, Reserve Bank of India, Bombay	12-2-1968	Agricultural Finance during the Plan Era
10 Dr. D. R. Khatkhate, Director, Economics Depart- ment, Reserve Bank of India, Bombay-1	14-2-1968 15-2-1968	'Money,' 'Instrument of Eco- nomic Policy' and 'Foreign Trade Controls'

Name of the Lecturer	Date	Subject
11 Dr. W. D. Donde, Director and Dy. Econ. and Stat. Adviser, Directorate of Economics and Statistics, Ministry of Food and Agriculture, Government of India, New Delhi	16-2-1968	Agricultural Production and Trade Trends in India
<b>Faculty of Technology and Engineering</b>		
1 Professor V. T. Chiplonkar, Professor of Physics, Institute of Science, Bombay	26-11-1967 27-11-1967	Plasma Physics
2 Dr. M. L. Mathur, Dean, Faculty of Engineering, M.B.M. Engineering College, Jodhpur	27-11-1967 28-11-1967	Modelling of Furnaces
3 Professor M. M. Sharma, University Department of Chemical Technology, Bombay	9-12-1967	New theories of Mass Transfer
4 Professor N. S. Govindrao, Adviser, Central Board of Irrigation and Power, Bangalore	15-12-1967 16-12-1967	Siphons Cavitation
5 Professor L. R. Vagale, Professor and Head, Department of Town and Country Planning, New Delhi	18-12-1967 19-12-1967	Urban and Regional Planning Problems and Prospects Urban Development Principles and Techniques
6 Shri K. N. Sundaram, Dy. Educational Adviser (Tech.) Government of India, Ministry of Education, Western Regional Office, Bombay	20-12-1967	Wastage in Engineering Colleges
7 Dr. G. P. Chatterjee, Research and Scientific Adviser, Hindustan Steel Ltd., Durgapur	8-2-1968	(1) Some Fundamental as- pects of the problem fac- ing the Steel Industry in the Country Methods to minimise them (2) Energy and Entropy
<b>Faculty of Medicine</b>		
1 Dr. K. Bhaskaran, Professor in Charge, Post-graduate Training Centre and Medical Supdt., Hospital for Mental Diseases, Ranchi-6	7-2-1968	Community Psychiatry

Name of the Lecturer	Date	Subject
<b>Faculty of Fine Arts</b>		
1 Shri Krishna Khanna, ( Painter )	24-11-1967	Contemporary Art
2 Smt. Pillo Pochkhanwala ( Sculpture )	25-11-1967	Contemporary Art
3 Shri Richard Bartholomeo ( Art-Critic )	26-11-1967	Contemporary Art
4 Smt. Kalindi Jena	25-1-1968	Ceramics Techniques
<b>Faculty of Home Science</b>		
1 Mrs. Perin Mehta, Offg. Head, National Institute of Education, N.C.E.R.T., Delhi	3-3-1968	Learning Theories Achievement and Personality Research Related to Guidance and Coun- selling
<b>Faculty of Social Work</b>		
1 Smt. Masuma Begum, Chairman, Central Social Welfare Board	26-7-1967	Programme of C.S.W.
2 Shri J. Parikh, Labour Officer, Jyoti Ltd., Baroda	7-8-1967	Labour Legislation
3 Smt. Hansaben Mehta	18-8-1967	Welfare Services in Great Britain
4 Shri R. D. Munshi, Personnel Officer, Jyoti Ltd., Baroda	28-11-1967	Social Responsibilities of Management
5 Shri J. A. Brahmhatt, Labour Welfare Officer, Alembic Glass Industries, Baroda	4-12-1967	Wage Administration
6 Shri M. M. Barot, Assistant, Factory Manager, Suhrid Geigy, Baroda	8-12-1967	Fringe Benefits
7 Shri Bhailalbai Contractor, Baroda	18-12-1967	Organization of Voluntary Welfare Agencies
8 Shri S. K. Bhatnagar, Personnel Officer, Gujarat Refinery, Baroda	22-12-1967	Industrial Relations

Name of the Lecturer	Date	Subject
9 Padmashri Shantilal T. Raja, General Manager, Gujarat Electricity Board, Baroda	15-1-1968	Human Relations
10 Shri Narayanbhai Desai	7-2-1968	Shanti-Sena and its Philosophy
11 Dr. T. V. Shrinivasinh, Manager, Personnel Division, Alembic Chemicals, Baroda	9-2-1968	Social Responsibilities of Management
12 Professor Sujata Dasgupta Jt. Director of Gandhian Institute of Studies, Rajghat, Varanasi	12-2-1968	(1) Gandhian Philosophy of Social Work (2) Scope of Peace Research in India
13 Shri H. H. Thakkar, Factory Manager, Sarabhai Chemicals, Baroda	4-3-1968	Collective Bargaining
<b>College of Indian Music, Dance and Dramatics</b>		
1 Shri Khan Saheb Amir Khan, Indore	10-9-1967	Discourse on Vocal Music and Baithak Programme
2 Professor K. C. Parikh, Ahmedabad	26-9-1967	Radio Plays and Dimensions of Mike
3 Shri Indrashanker Raval, Curator Tribal Research Museum, Gujarat Vidyapeeth, Ahmedabad	7-10-1967	Gujaratna Lokavadyo
4 Shri Abdul Karimkhan of Meerut	25-11-1967	Lecture Demonstration of Tabla Ajarada Gharana Baj
5 Shri Anandji Vyas, ( Pandya ) Saurashtra	13-12-1967	Demonstration of Stage Songs
6 Shri V. Deshpande, Dehradun	20-1-1968	Baithak Programme of Classical- Vocal Music
7 Dr. Marie Joy, Curtis Associate Professor of Music, Syracuse University, Syracuse, New York	22-1-1968	Thematic Treatment in the 19th Century Orchestral Music
	23-1-1968	20th Century American Music
8 Smt. Ritha Devi, Bombay	3-2-1968	Lecture on " Orissi Dance "
	4-2-1968	Lecture on " Kuchipudi and Mohini Attam "

## 2. Deputation to Conferences

The University deputed 69 members of the teaching staff to attend Conferences, Symposia, Seminars, etc. as delegates of the University and incurred an expenditure of Rs. 5334-86 during the year 1967-68.

### 3. University Grants Commission Travel Grants

Out of the University Grants Commission unassigned grant of Rs. 27,000/-, an amount of Rs. 12,000/- was earmarked for purpose of awarding travel grants to University teachers, research scholars and technical staff for research, higher training, etc. in University Departments, National Laboratories, Centres of Learning and Institutes of repute attending Conferences etc. The following 28 staff members were awarded the travel grants and an expenditure of Rs. 10,249-30 was incurred in the year 1967-68.

#### Faculty of Arts

Sr. No.	Name of the Teacher/Scholar	Place and purpose of the award	Number of days
1	Shri R. S. Mehta, Lecturer in Agricultural Economics	To consult back numbers of reputed foreign journals and periodicals on Agricultural Economics at the Indian Society of Agricultural Economics, Bombay	12
2	Shri G. K. Agnihotri, Assistant Lecturer in Marathi	To refer the old and current books on Shakespeare's influence on Marathi Drama at the Bombay Marathi Grantha Sangrahalaya, Bombay	33
3	Shri R. N. Talati, Assistant Lecturer in Hindi	To consult manuscripts on " Vallabh Sampradaya Ki Seva Bhavana aur Sur Ka Kavya " at Mathura and Vrindavan	17
4	Shri A. J. Patel, Assistant Lecturer in Archaeology and Ancient History	To collect data for research in Iconography at the Royal Asiatic Library, Prince of Wales Museum, Bombay	45
5	Shri J. D. Mehta, University Grants Commission, Research Scholar in Economics	To refer back numbers of journals and books on Industrial Economics and to consult members of the Centre of Advanced Study in Industrial Economics at Bombay University	47
6	Smt. I. D. Shukla, University Grants Commission Research Scholar in Hindi	To collect material for research on ' Bhagwati Charan Verma aur Unka Katha Sahitya ' at the K. S. Saket Mahavidyalaya, Faizabad	24
<b>Faculty of Science</b>			
7	Professor N. M. Bhatt, Professor of Statistics	To attend in 4th All Gujarat Mathematics Conference at Ahmedabad	3

Sr. No.	Name of the Teacher/Scholar	Place and purpose of the award	Number of days
8	Dr. A. J. Patel, Lecturer in Bio-Chemistry	Training at the Central Institute of Leprosy at Madras	18
9	Shri R. P. Bhatt, Lecturer in Botany	To study on Cytotaxonomical work in the Laboratory of the post-graduate Department of Botany at Karnatak University, Dharwar	31
10	Shri R. J. Mehta, Assistant Lecturer in Microbiology	Research and Practical training in Protozoology at the Central Drug Research Institute, Lucknow	70
<b>Faculty of Education and Psychology</b>			
11	Smt. M. S. Warty, Lecturer in Psychology	To work on the project regarding Intelligence Test of Children at the Poona University	28
<b>Faculty of Technology and Engineering</b>			
12	Professor J. S. Dave, Professor of Chemistry	To attend the Indian Science Congress at Varanasi	12
13	Shri S. S. Warty, Reader in Textile Chemistry	To study techniques of Chromotography for textiles at the National Chemical Laboratory, Poona	28
14	Shri R. L. Gandhi, Reader in Civil Engineering	To study research projects in Public Health Engineering at the Guiding College of Engineering, Madras	12
15	Shri C. D. Desai, Reader in Civil Engineering	Study of the Hydraulics Laboratory at the Indian Institute of Technology, Madras	10
16	Shri V. S. Shah, Reader in Applied Mechanics	To study the Structural Engineering Laboratories at the Indian Institute of Technology, Madras	10
17	Shri R. N. Chokshi, Lecturer in Civil Engineering	Study of the latest research work in Highway and Traffic Engineering at the Central Road Research Institute, New Delhi	10
18	Shri P. M. Modi, Lecturer in Civil Engineering	Study of the latest research techniques at the Irrigation Research Institute, Roorkee	10
19	Shri M. A. Mehta, Lecturer in Civil Engineering	Study of latest techniques of Research in Building Construction at the Central Building Research Institute, Roorkee	10

Sr. No.	Name of the Teacher/Scholar	Place and purpose of the award	Number of days
20	Shri G. V. Pethe, Lecturer in Physics	Research in Acoustics of Indian Music at Sangeet Natak Academy, New Delhi	10

#### Faculty of Fine Arts

21	Shri Ratan Parimoo, Reader in Art History and Aesthetics	To study the original paintings of the three Tagores at Viswa Bharati, Shantiniketan and Rabindra Bharati Society Museum, Calcutta	29
22	Shri N. K. Sant, Lecturer in Applied Arts	Training in the Techniques of Advertising at the S. H. Benson Studio, Bombay	69
23	Shri S. M. Nair, Lecturer in Museology	Study of the techniques of installation methods of preservation in Indian Museums at Salarjang Museum, Hyderabad	30
24	Shri D. K. Gill, Technical Assistant in Museology Department	Study of the recent technicians and methods employed in Chemical conservation at the National Museum, New Delhi	30

#### Faculty of Social Work

25	Professor G. G. Dadlani, Professor of Social Work	To attend the Seminar on Peace Research at the Gandhian Institute of Studies, Varanasi	3
26	Shri S. R. Ramdeva, Lecturer in Social Work	To study Social Service Administration at the Indian Institute of Public Administration, New Delhi	14
27	Shri S. R. Yardi, Lecturer in Social Work	Participation in the programme in Behavioural Sciences in Personal Management at the Indian Institute of Management, Agra	27

#### Oriental Institute

28	Shri B. L. Shanbhogue, Research Officer in Oriental Institute	To attend the 42nd Annual Session of the All India Educational Conference held at Madras	5
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#### 4. University Grants Commission Scheme of Exchange of Professors

The University continued to implement the University Grants Commission Scheme of Exchange of Professors, Teachers, Scientists, Experts between Universities and/or National Laboratories, Institutions etc., during the year 1967-68. In all 20 Professors/Experts came to various departments of the University and delivered 75 lectures to the undergraduate/post-graduate students of the University. They also gave guidance to research students also. An expenditure of Rs. 7,458-10 incurred on this account was met from the University Grants Commission unassigned grant. The following were invited.

Faculty	Department	Name of the Expert
Arts	Political Science	Professor M. S. Agwani
	Linguistics	Professor A. A. Appadorai
	Economics	Shri S. Ramani
Science	Chemistry	Professor Gautam Mathur
	Geology	Professor J. N. Chatterji
	Microbiology	Dr. A. Parthaswamy
	Physics	Dr. N. Prasad
	Statistics	Dr. R. N. Singh
Education and Psychology	Zoology	Dr. V. G. Bhide
	Psychology	Professor V. S. Huzurbazar
	Psychology	Dr. N. N. Murti
Technology and Engineering	Mechanical Engineering	Professor V. K. Kothurkar
	Chemical Engineering	Dr. M. L. Mathur
	Architecture	Dr. G. P. Chatterjee
Medicine	Physics	Shri M. M. Sharma
	Mental Hygiene	Shri L. R. Vagale
Home Science	Education and Extension	Dr. V. T. Chiplunkar
Law	Law	Dr. K. Bhaskaran
		Smt. Perin Mehta
		Professor K. B. Rohatgi

The topics of 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:

- |                                 |   |
|---------------------------------|---|
| (1) B.A., M.A. and Ph.D.        | Archaeology and Ancient Indian Culture, Economics, English, Gujarati, Hindi, History, Linguistics, Marathi, Philosophy, Political Science, Psychology, Sanskrit and Sociology |
| (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. Science              | Library Science   |
| (6) Diploma                     | German and Russian Languages  |
| (7) Certificate Courses         | French, German and Russian Languages  |

The Diploma course in Russian Language was started during the year under report.

## 2. Number of Students

The number of students enrolled in various classes at the commencement of the year 1967-68 was as under:

Class	Men	Women	Total
(1) Certificate course in French	75	21	96
(2) Certificate course in German	291	33	324
(3) Certificate course in Russian	18	2	20
	384	56	440
(4) Diploma course in German	22	3	25
(5) Diploma course in Russian	10	5	15
	32	8	40
(6) F.Y.B.A.	224	335	559
(7) S.Y.B.A.	158	239	397
(8) T.Y.B.A.	219	216	435
	601	790	1,391
(9) B.Lib. Science	6	11	17
(10) Jr. M.A.	131	44	175
(11) Sr. M.A.	77	34	111
	208	78	286
(12) Ph.D.	10	3	13
Grand Total..	1,241	946	2,187

## 3. Staff

During the year the staff of the Faculty consisted of 9 Professors, 14 Readers, 46 Lecturers, 21 Assistant Lecturers, 4 Part-time Teachers, 19 Class III Employees 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 Smt. Hansa Mehta Library. The students and the staff of the Faculty make use of the Smt. Hansa Mehta Library which is on the premises. The Faculty Central Hall is being used as an annexe of the University Library.

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

The following is the statement of the cost of equipments :

Sr. No.	Item	Cost of equipment as on 1-4-1967 Rs.	Cost of equipment written off during the year Rs.	Cost of equipment added during the year Rs.	Cost of equipment as on 31-3-1968 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	55,769-17	—	972-00	56,741-17
(5)	Excavation equipment	1,622-05	—	—	1,622-05
		79,052-35	—	972-00	80,024-35

## 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 1967-68.

## (1) Articles or Papers :

Sr. No.	Name	Title	Name of the Journal wherein published
1	Prof. R. N. Mehta	( i ) - An Archaeological Interpretation of a Myth ( ii ) Kumbhariano Dhatu Udyoga	Indian Science Congress 55th Session, Varanasi Svadhyaaya

Sr. No.	Name	Title	Name of the Journal wherein published
		(iii) Tripuri	Vidyapeeth
		(iv) Stonage Sites in Valia and Mangrol Taluka	Journal of the Oriental Institute
		(v) Itihasa ma Khambhata	Journal of the Gujarat Research Society
2	Dr. K. T. M. Hegde	(i) Association of the Chalcolithic Culture with the Black Cotton Soil at Jokha, Surat Dist., Gujarat State	Proceedings of the Indian Science Congress Part-III of the 55th Session, Varanasi, January, 1968
		(ii) Chemical and Spectrometric Studies in the Kshatrapa Silver Coins	Journal of the Numismatic Society of India, Vol. XXXIV, 1968
3	Shri A. P. Rana	(i) The Identity of India's Non-alignments: The Nehru Years	International Political Science Association, Seventh World Congress, Brussels, 18-2 September, 1967
		(ii) Indian Non-alignment and the Balance of Power	India's Non-alignment Policy: Strengths and Weaknesses, edited by Paul F. Power Health and Company, September, 1967
4	Prof. A. G. Javadekar	(i) Karma and Rebirth	Report on the Seminar held at the Centre for Advanced Study in Philosophy, Madras
		(ii) Moral Atheist and Immoral Theist	Pathway to God; Belgam, November, 1967
5	Kum. S. H. Divetia	Swatantra Aur Prajatantravad (in Hindi)	Darshnik, October 1967
6	Dr. R. M. Patel	Kavyashilpi Kant	Granth, November 1967
7	Dr. M. G. Gupta	Tansen ki Durlabha Kritiya	Sammelan Patrika
8	Prof. V. Y. Kantak	(i) New Criticism	"Renaissance in the Twenties" U. S. I. S., Bombay, December 1967

Sr. No.	Name	Title	Name of the Journal wherein published
		(ii) The Language of Indian Writers of Fiction in English	The Menezes Commemoration Volume, March 1968, Karnatak University
9	Shri R. N. Mehta	Tom Sawyer: A Classic of Adolescence	In the volume Indian Responce to American Literature, edited by C. D. Narasimhiah USFFI, New Delhi
10	Prof. A. N. Jani	(i) On the Meaning of the word Vali in Meghadut 35	MM Pt. Gorinatha Kaviraj Abhinandan Grantha
		(ii) Itthiparrina "Gujarati Translation of Professor Alsdorf's Article	Mahavir Jain Vidyalyaya Golden Jubilee Volume
		(iii) Sahaviryam Karvavahi (in Sanskrit)	Samvid Vol. III, Nos. 2 to 4
		(iv) Shri Sharda Stuti	Sammanasyam Vol. III, No. 8, September, 1967
11	Dr. S. G. Kantawala	Puranic Etymologies	MM Pt. Gorinatha Kaviraj Abhinandan Granth
12	Shri D. D. Mahulkar	Shakespeare's Prose	Shakespeare Memorial Volume (Published by the Government of Maharashtra)
13	Prof. I. S. Gulati	(i) Export Promotion through Bonus Import	The Developing Economics Tokyo December, 1967
		(ii) Export Promotion after the Devaluation	The Economic and Political Weekly, August, 1967
		(iii) Competitiveness of Tea Exports	The Economic and Political Weekly, February, 1968
14	Dr. J. C. Sandesara	(i) Rice Levy in Gujarat—Search for Aggrieved Party	The Economic Times, June, 1967

Sr. No.	Name	Title	Name of the Journal wherein published
		(ii) The Small Industrial Establishments Sector	Journal of the M. S. University of Baroda, July, 1967
15	Dr. V. N. Kothari	Disguised Dimensions of Problems of Higher Education of India	Consepectus, Delhi, No. 2, 1967

## (2) Books:

Sr. No.	Name	Title	Name of the Publisher
1	Prof. R. N. Mehta & Shri A. J. Patel	Excavations at Shamalaji	M. S. University Archaeology Series, Baroda
2	Dr S. H. Joshi	Natatra Surya Bhati Vartasanghra	Rekha, Co-operative Printing and Publishing Society, Ahmedabad, December, 1967
3	Dr. M. G. Gupta	Madhyakalin Hindi Kavymai Bharatiya Sanskriti	National Publishing House, Delhi, January, 1968
4	Dr. D. S. Shukla	Hindi Ka Samasya Purti Kavya	Ganga Pustakamala Lucknow, June, 1967

## 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 games too; Table-tennis, Carrom and Badminton tournaments were arranged this year. The Faculty students also participated in the Inter-Faculty Youth Festival and earned the third prize in the Drama Competition and the second prize for individual acting.

The English Literary Society carried on its activities of lectures, discussions and paper-reading by staff members and students.

Professor A. G. Javadekar was re-elected as Vice-President of the Akhil Bharat Darshan Parishad and as Joint-Secretary of the Indian Philosophical Congress for a further period of three years. Professor S. C. Misra was elected as Sectional President of the Indian History Congress, Patiala Session and also as President of the Gujarat Itihas Parishad

## 8. Co-curricular Activities

## (1) Tours:

The Faculty organised a tour of the Faculty students to North India in the Winter Vacation. The following Departments also arranged study tours and trips as shown below:

Department	Places
(i) Archaeology and Ancient History	Ajanta, Ellora and Elephanta
(ii) Agricultural Economics	Village Khandha Miyagam
(iii) Gujarati	Jojwa
(iv) Hindi	Pawagadh

## (2) Debates:

Professor A. G. Javadekar acted as a Convener of the Speakers' Club and guided 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) The English Literary Society, (ii) the Shakespeare Society, (iii) the Marathi Literary Society, (iv) the U.N.O. Society, (v) the Sanskrit Literary Society, (vi) the Political-Science Association, (vii) the Philosophical Society, (viii) the German Language Society, (ix) the History Association, (x) the Gujarat Sahitya Mandal, (xi) the Economics Association, (xii) the Hindi Sahitya Samiti and (xiii) the Speakers' Club.

Each Society carried out its own programme of symposia and seminars where papers were read by students and discussions were held, both students and teachers participating in them.

During the current academic year, an Association of Students of Economics of the Faculty of Arts (The Economic Society) was set up. Professor Samuel Paul of the Indian Institute of Management, Ahmedabad and Shri S. S. Tarapore of the Reserve Bank of India, Bombay were invited to deliver lectures under the auspices of the Economics Society.

## (4) Celebrations:

Important National days were observed and anniversaries of men of letters in Hindi literature were celebrated. The Sanskrit Department also celebrated the Kalidas Jayanti and Geeta Jayanti in November and December, 1967 respectively. The Students' Association celebrated the Gandhi Jayanti. The programme consisted of a prayer, symposium, exhibition of photographs depicting different phases of Mahatma's life and an essay competition on 'Gandhiji's Gift to Mankind.'

(5) *The Planning Forum:*

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

(6) *Magazine:*

The Faculty Students' Association brought out its Magazine 'Aradhana' this year.

9. **Other Important Events**

(1) The following distinguished Visitors visited the Faculty during the year:

- (i) Dr. P. B. Gajendragadkar, Vice-Chancellor, University of Bombay.
- (ii) Dr. Shriman Narayana, Governor of Gujarat State.
- (iii) Professor Mayekar, Education Minister, Government of Goa, Daman and Div.
- (iv) Dr. Fakazawa, Tokyo University, Japan.
- (v) Professor Hazue Koda, Osaka University, Japan.
- (vi) Professor D. Razaev, Kirgiz State University, USSR.

(2) Professor V. Y. Katak, Head of the English Department organised the Summer Institute in English in May-June, 1967 under the Joint auspices of the University Grants Commission, the British Council and the University. 52 College level teachers from Institutions at Ahmedabad, Vallabh Vidyanagar, Surat, Rajkot and Bhavnagar attended the Institute, in addition to 10 teachers of the English Department of the Faculty.

(3) Professor S. C. Misra, Head of the History Department, conducted the History Teaching and Research Seminar in October, 1967 under a grant from the University Grants Commission.

(4) The 12th Session of the Akhil Bharatiya Darshan Parishad was held from 22nd to 25th October, at Baroda under the auspices of this University.

(5) The Department excavated a Chalcolithic site at Dhatwa, Taluka Kamrej, District Surat. The study revealed remains of early historic settlements together with vast deposits of iron smelting indus by an Chalcolithic settlements. The excavated materials and the midden soils are now being studied:

(6) Under Sociology Colloquium two talks were arranged:

- (i) Dr. (Smt.) J. M. Panchanadikar, Reader in Sociology      Social Conflict and Social System (L.Coser' work on G. Simmel's theory)
- (ii) Dr. R. D. Parikh, Lecturer in Sociology      Anomie

## 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 Course      One year's course after M.Sc. Geology
- (4) Pre-medical      One year's course after Preparatory Science

2. **Number of Students**

The number of men and women students on roll in the various classes in the year 1967-68 were as under:

Class	Boys	Girls	Total
Pre-Medical	112	13	125
F.Y.B.Sc.	184	82	266
S.Y.B.Sc.	200	70	270
T.Y.B.Sc.	142	60	202
M.Sc. (Previous)	119	34	153
M.Sc. (Final)	126	27	153
M.Sc. Applied Geology	1	—	1
Ph.D.	40	10	50
<b>Total</b>	<b>924</b>	<b>296</b>	<b>1220</b>

3. **Staff**

The staff of the Faculty consisted of 9 Professors, 22 Readers, 59 Lecturers, 68 Assistant Lecturers, 89 Class III and 72 Class IV servants. Dr. D. M. 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 loaned from the University Library.

The amount spent during the year for Science books and periodicals etc. were: (i) Rs. 10,000/- for books and (ii) Rs. 15,000/- for periodicals from the Science Faculty Budget, (iii) Rs. 1,42,715 from the University Grants Commis-

sion's grant to the University for books on Science subjects and (iv) Rs. 1000/- for binding from Science Faculty Budget.

### 5. Museums, Laboratories and Workshop

The museums in the Botany, Geography, Geology and Zoology Departments were enriched by addition of specimens and other articles; considerable 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 Post-graduate students of the Physics Department 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 1967-68 and the total cost as on 31-3-1968:

Laboratory	Cost of equipment as on 1-4-1967 Rs.	Cost of equipment written off during the year Rs.	Cost of equipment added during the year Rs.	Cost of equipment as on 31-3-1968 Rs.
Bio-chemistry	4,28,763	2,285	30,814	4,57,294
Botany	4,14,357	597	17,914	4,31,674
Chemistry	5,66,848		36,725	6,02,573
Geology	4,71,182		55,554	5,26,736
Geography	2,10,143		9,867	2,20,010
Microbiology	1,10,000		23,000	1,33,000
Physics	6,95,812		33,459	7,29,271
including Workshop				1,00,211
Statistics	1,00,211			3,77,356
Zoology	3,64,709	3,855	16,502	
Total	33,61,025	6,737	2,23,835	35,78,123

### 6. Publications of the Members of the Staff and Students during the year

#### Articles

Sr. No.	Author	Title	Name of the Journal wherein published
1	E. Jacob, A. J. Patel and C. V. Ramakrishnan	Effect of neurotoxin from the seeds of Lathyrus Sativus on Glutamate Metabolism in chick brain	Journal of Neurochemistry 1967, Vol. 14, pp. 1091 to 1094

Sr. No.	Author	Title	Name of the Journal wherein published
2	R. Rajalakshmi and A. J. Patel	(i) Effects of section of the corpus callosum in Rats on performance on the Hebb-Williams Maze	Neuropsychologia 1967, Vol. 5, pp. 53-57
		(ii) Performance of the Hebb-Williams maze as related to discrimination and reversal learning in rats	Anim. Behav. 1968, 16, 114-116
		(iii) Effect of Tranquillizers on Regional distribution of Ascorbic Acid in the rat brain	Journal of Neurochemistry 1968, Vol. 15, pp. 195 to 199
3	R. Rajalakshmi G. Subbulakshmi and Tara Mehta	Vitamin C. synthesis in rats fed on diets deficient or normal in iron content	Br. Journal of Nutr. (1967), 21, 333
4	R. Rajalakshmi and K. Vaneja	Chemical and biological evaluation of the effects of fermentation on the nutritive value of foods prepared from rice and grams	Br. Journal of Nutrition (1967), 21, 467
5	R. Rajalakshmi, S. Z. Ali and C. V. Ramakrishnan	Effects of Inanition during the neonatal period of Discrimination learning and Brain Biochemistry in the albino rat	Journal of Neurochemistry, 1967, Vol. 4, pp. 29 to 34
6	R. Rajalakshmi, J. Malathy and C. V. Ramakrishnan	Effect of dietary protein content on regional distribution of Ascorbic acid in the rat brain	Journal of Neurochemistry, 1967, Vol. 14, pp. 161-167
7	H. R. Chokshi and C. V. Ramakrishnan	Studies on chick Embryonic Tibia cultivated in chemically defined medium	Indian Journal of Experimental Biology, 1967, Vol. 5, pp. 211-215
8	R. Rajalakshmi and C. V. Ramakrishnan	(i) Education of the community in the Nutritional care of Infants and pre-school children with vegetable foods	Proc. of the 7th International Congress of Nutrition. Hamburg (1967), Vol. 1, 95 to 100

Sr. No.	Author	Title	Name of the Journal wherein published
		(ii) A Nutritionist Focus on Raijura, a village in Western India	Proc. of the 7th International Congress of Nutrition, Hamburg (1967), Vol. 1, 279 to 280
		(iii) Protein Nutrition and Brain Function	Proc. of the 7th International Congress of Nutrition, Hamburg (1967), Vol. 1, 345-348
9	R. Rajalakshmi and K. Ramachandran	(i) Calcium incorporation in Foodstuffs	Proc. of the 7th International Congress of Nutrition, Hamburg, (1967), Vol. 1, 296 to 304
		(ii) Comparative data on heights and weights of subjects of high and low income groups in Gujarat	Proc. of the 7th International Congress of Nutrition, Hamburg, (1967), Vol. 4, 125-131
10	S. V. Ganapati, P. M. Amin and D. J. Parikh	Studies on Zoogloea colonies from stored raw Sewage	Water and Sewage Works, Oct. 1967, pp. 389-392
11	P. M. Amin and S. V. Ganapati	Occurrence of Zoogloea colonies and Protozoans at different stage of Sewage purification	Appl. Microbiology Jan. 1967, p. 17-21
12	D. Leela and C. H. Pathak	(i) The effect of initial pH on the growth and enzyme activity of the excised roots of <i>Trigonella-foenum graecum</i> L.	Ind. Jour. of Plant Physiol. Vol. 9, No. 2, 1966
		(ii) Activity of succinic dehydrogenase and the influence of fixative and temperature on localisation of acid phosphatase in roots of <i>Trigonella-foenum-graecum</i> L.	Ind. Jour. of Plant Physiol. Vol. 10, No. 1, 1967

Sr. No.	Author	Title	Name of the Journal wherein published
		(iii) Growth and enzyme activity during the ten-day period of cultivation in excised roots of <i>Trigonella-foenum-graecum</i> L.	Ind. Jour. of Plant Physiol. Vol. 10, No. 2, 1967
13	A. R. Chavan and P. I. Chaudhari	Interaction of gibberellic acid and light on the germination and growth of seedlings of <i>Gossypium herbaceum</i> Var. Digvijay	Ind. Jour. of Plant Physiol. Vol. 10(1), 1967
14	A. R. Mehta, G. G. Henshaw and H. E. Street	Aspects of growth in suspension cultures of <i>Phaseolus vulgaris</i>	Ind. Jour. of Plant Physiol. 10(1) 1967
15	A. R. Mehta and V. P. Fadia	Tissue culture studies on Cucurbits I. Establishment of Culture	Ind. Jour. of Exptl. Biol. 6 (1), 1968
16	N. K. Chudgar, M. V. Mani and Suresh Sethna	Studies in Iso-flavones Part-I—Bromination. Iodination and Nitration 7-hydroxy isoflavone	Jour. of the Institution of Chemists, 1967, 39, 203
17	D. J. Patel, R. A. Bhatt and S. L. Bafna	(i) Ion exchange equilibrium studies with some strong acid weak base salts	Jour. of Ind. Chem. Soc. 1967, 44, 609
		(ii) Separation of Maleic acid and fumaric acid	Chemistry and Industry (London), 1967, 50, 2110
18	S. S. Kanhere, R. S. Shah and S. L. Bafna	Studies with ion exchange resins on cinchona alkaloids I. Exchange equilibria	Jour. of Pharm. Sciences, 57, 342
19	S. G. Patel and S. S. Merh	Economic Geology of the Dolomite Marble of Chhotaudepur Dist., Baroda, Gujarat State	Ind. Sc. Cong. Jan. 1968, Varanasi
20	S. S. Merh and B. B. Jambusaria	The Graywacke Conglomerates of Jaban near Shivrajpur in Panchmahal Dist. of Gujarat State	Ind. Sc. Cong., January, 1968, Varanasi

Sr. No.	Author	Title	Name of the Journal wherein published
21	S. S. Merh and M. P. Patel	On the Nature of the Arvalli rocks of the Bhiloda Shamlaji area of N. Gujarat	Ind. Sc. Cong. January, 1968, Varanasi
22	S. D. Desai and D. T. Brahmhatt	Bagh Beds of Gujarat	Ind. Sc. Cong. January, 1968, Varanasi
23	S. D. Desai	Mineral Eng. in India	Ind. Sc. Cong. January, 1968, Varanasi
24	S. S. Merh and M. K. Murthy	Classification of Pre-Cambrian Mafic rocks of Bhiloda Shamlaji area of N. Gujarat	Ind. Sc. Cong. January, 1968, Varanasi
25	V. N. Kulkarni and S. S. Merh	Engineering Geology of limestones of Gujarat	37th Sess. Nat. Aca. Sc. Ind., Feb., 1968
26	A. N. Shah and S. S. Merh	On the Stratigraphic Position of the Calc Zone of North of Almora-Dudatoli Thrust sheet of Kumaon Himalayas	37th Sess. Nat. Aca. Sc. Ind., Feb., 1968
27	S. S. Merh	Distribution and Classification of Granite rocks of Gujarat and South Rajasthan	Sym. on Plutonic Complex, Hyderabad
28	A. N. Shah and S. J. Desai	On the Granite Complex of Almora	Sym. on Plutonic Complex, Hyderabad
29	S. J. Desai and S. S. Merh	An outline of structural geology of the rocks around Majkhali area, Dist. Almora	Ind. Sc. Cong. III
30	S. V. Gadre, Lekha Mazumudar, V. V. Modi and Vasu Parekh	Interspecific transformation in Rhizobia	Archives fur microbiology. 57, 388 (1967)
31	A. K. Mattoo and V. V. Modi	Methionine Utilization in ripening mangoes	Indian Journal of Experimental Biology
32	V. V. Modi, V. V. R. Reddy and A. K. Mattoo	Respiration and carotenogenesis controlling factors in mangoes	Indian Journal of Bio-chemistry 4, Suppl. page 35 (1967)
33	V. V. Modi and V. V. R. Reddy	Carotenogenesis in ripening mangoes	Indian Journal of Experimental Biology, 5, 233 (1967)

Sr. No.	Author	Title	Name of the Journal wherein published
34	V. V. Modi and R. N. Patel	Salicylate formation from Naphthalene by Pseudomonas aeruginosa	Applied Microbiology, 16, 172 (1968)
35	N. R. Gandhi, R. J. Mehta and V. V. Modi	Studies on rII region of T <sub>2</sub> phage	Experientia, 24, 279 (1968)
36	M. M. Patel and P. S. Narayanan	The omission spectrum of Bismuth fluoride—B-system	Ind. J. Pure and Appl. Phy.
37	M. M. Patel, S. P. Patel and A. B. Darji	(i) The band spectrum of CdI Molecule in the region 3586-3495 Å (C-system) (ii) Band spectrum of diatomic CdI Molecule in the visible region	Ind. J. Pure and Appl. Phy. No. 5, 526, 1967, 11 Ind. J. Phy. (In Press)
38	M. M. Patel and A. B. Darji	Ultra-violet band spectrum of mercury bromide	Ind. J. Phy. (In Press)
39	M. M. Patel and Jacob Rajan	(i) The omission spectrum of zinc chloride molecule visible system (ii) The omission spectrum of zinc bromide molecule visible system	Ind. J. Pure and Appl. Phy. 5, No. 8, 330, 1967 Ind. J. Phy. (In Press)
40	M. M. Patel and P. D. Patel	(i) Rotational analysis of the band of system of MgCl molecule (ii) Rotational analysis of (0,0) bands of system for MgBr molecule	Current Science 36, No. 21, Nov. 1967 Proc. Phy. Sec. (London) Accepted
41	J. R. Pandya and C. M. Saraf	Etching of Barites	Mineralogical Magazine, London, March 1968
42	A. G. Phatak and N. M. Bhatt	Estimation of Fraction Defective in Curtailed Sampling Plans by Attributes	Technometrics Vol. 9 No. 2, May 1967 219-228
43	B. K. Shah	A note on Craig's paper on the minimum of binomial variates	Biometrika Vol. 53, 1966, p. 614-615

Sr. No.	Author	Title	Name of the Journal wherein published
44	M. H. Tailor, B. T. Dave, M. G. Amin, N. M. Bhatt and T. V. Patel	Pulmonary Function Studies in University Students	Journal of Medicine and Surgery, Jan. 1967, pp. 27-37
45	Indira Bhanot R. C. Patel and T. V. Patel	Statistical Summary of Medical Exam. Reports, 1962-63, No. 8	Published by Statistical Service Unit, August 1966
46	M. H. Tailor, B. T. Dave, N. M. Bhatt and T. V. Patel	Nutritional Studies in University Students	Indian Journal of Medical Sciences, Vol. XX (5), 1966, pp. 329-337
47	T. M. John and J. C. George	( i ) Certain histological and histochemical changes in the testis of migratory wagtails towards migration ( ii ) Seasonal variations in the glycogen and fat contents of the liver and the pectoralis muscle of migratory wagtails ( iii ) Certain cyclic changes in the thyroid and parathyroid glands of migratory wagtails ( iv ) Seasonal variation in cholesterol level in the migratory starling, <i>Sturnus roseus</i> ( v ) Cyclic changes in the ascorbic acid (Total Vitamin C) content of the adrenal in the migratory starling, <i>Sturnus roseus</i> ( vi ) Seasonal variation in the levels of tyrosine and phanylalanine in migratory starling, <i>Sturnus roseus</i>	<i>Pavo</i> , 4: 1-8 (1966) <i>Pavo</i> , 4: 48-57 (1966) <i>Pavo</i> , 5: 19-28 (1967) <i>Pavo</i> , 5: 29-38 (1967) <i>Pavo</i> , 5: 39-46 (1967) <i>Pavo</i> , 5: 47-51 (1967)

Sr. No.	Author	Title	Name of the Journal wherein published
48	T. M. John	( i ) A histological study of adrenal carticooids in the pre and post migratory phases in the migratory wagtails <i>motacilla alba</i> and <i>motacilla flava</i> ( ii ) Histochemical observations on the lipid in the ovary of the migratory wagtail, <i>motacilla alba</i>	<i>Pavo</i> , 4: 9-14 (1966) <i>Pavo</i> , 5: 57-74 (1967)
49	D. V. Naik and J. C. George	Changes in acid and alkaline phosphatase activity in the hypothalamo-hypophysical system of the migratory starling <i>sturnus roseus</i> towards migration time	<i>Pavo</i> , 4: 15-21 (1966)
50	R. M. Naik and M. I. Andrews	( i ) Pterylosis, age determination and moult in the jungle babbler ( ii ) The body weight and the thyroid and gonadal cycles of the jungle babbler	<i>Pavo</i> , 4: 22-47 (1966) <i>Pavo</i> , 4: 48-57 (1966)
51	N. J. Cinoy and J. C. George	Cholinesterases in the embryonic and post-embryonic pigeon pectoralis muscle	<i>Pavo</i> , 4: 66-71, (1966)
52	A. R. K. Das	Further studies on the breeding biology of <i>nectarinia asiatics</i>	<i>Pavo</i> , 4: 72-83 (1966)
53	Shashi Naik and R. M. Naik	Studies on the house swift, <i>Apus affinis</i> (G. E. Gray) 6. Body weight	<i>Pavo</i> , 4: 84-91 (1966)
54	K. S. S. Nair, G. K. Karnawar and J. C. George	Study on the larval fat body of <i>oryctes</i> with particular reference to the cytochemistry of the proteinaceous globules	<i>J. Anim. Morphol. Physiol.</i> 14: 28-54 (1967)
55	F. D. Bokdawala and J. C. George	( i ) Effect of stimulation on histochemical demonstration of acid atphase in skeletal muscle	<i>J. Anim. Morphol. Physiol.</i> 14: 28-54 (1967)

Sr. No.	Author	Title	Name of the Journal wherein published
		( ii ) A histochemical study of the red and white muscles of the carp, <i>cirrhina mrigala</i>	<i>J. Anim. Morphol. Physiol.</i> 14: 60-68 (1967)
56	R. V. Shah and T. V. Chakko	The histochemical demonstration of alkaline phosphatase in the normal (non-amputated) and regenerating tail of the common house lizard, <i>Hemidactylus flaviviridis</i>	<i>J. Anim. Morphol. Physiol.</i> 14: 69-88 (1967)
57	Mahmood Ali Khan and J. C. George	Histochemical demonstration of mitochondrial localization of acid and alkaline phosphatases in skeletal muscle	<i>J. Anim. Morphol. Physiol.</i> 14: 98-102 (1967)
58	J. C. George and D. A. Chandra Bose	( i ) Diurnal changes in glycogen and fat levels in the pectoralis of the migratory starling, <i>sturnus roseus</i> ( ii ) Effect of cold stress on the glycogen content of the pectoralis and the liver of the pigeon	<i>Pavo</i> , 5: 1-8 (1967) <i>Pavo</i> , 5: 9-12 (1967)
59	D. A. Chandra Bose	Cellular organization and distribution of fat and succinic dehydrogenase in the gastrocnemius muscles of a few birds	<i>Pavo</i> , 5: 13-18 (1967)
60	R. M. Naik and Abdur Razack	( i ) Studies on the House Swift, <i>Apus affinis</i> (G. E. Gray) 7-Seasonal changes in daily activity rhythm ( ii ) Studies on the House Swift, <i>Apus affinis</i> (G. E. Gray) 8. Breeding seasons and their regulation	<i>Pavo</i> , 5: 57-74 (1967) <i>Pavo</i> , 5: 75-96 (1967)

Sr. No.	Author	Title	Name of the publisher
61	V. M. Shah	( i ) On the absolute Summability (c, 1) of a lacunary Fourier Series and its conjugate series ( ii ) On the absolute convergence of a series associated with a lacunary Fourier Series	Publication de l'Institut Mathématique, Beograd, Yougoslavie Indian Journal of Mathematics, Allahabad, India

### 7. Literary, Cultural and Other Activities

(1) Professor C. V. Ramakrishnan, Dr. (Smt.) R. Rajalakshmi and Dr. S. V. Ganpati, Principal Investigators of the Am-PL-480 schemes were invited to attend the National Committee of the International Biological Programme, New Delhi, on 13th January, 1968.

(2) Professor C. V. Ramakrishnan and Dr. (Smt.) R. Rajalakshmi were invited to attend the meeting of the National Nutrition Advisory Committee, by the Government of India at New Delhi on the 8th and 9th February, 1968.

(3) Professor C. V. Ramakrishnan was invited as a Visiting Professor to deliver lectures at the Indian Institute of Science, Bangalore on 11th and 12th March, 1968.

(4) Dr. A. R. Mehta was invited to participate in the Seminar on Plant Cell, Tissue and Organ Cultures held at the Centre of Advanced Study in Botany, University of Delhi, Delhi.

(5) Professor U. N. Singh was deputed by the Government of India, Ministry of Education as a member of a delegation of Scientists to study and observe the Science Education improvement projects of the National Science Foundation of the U.S.A. in August and September, 1967.

### 8. Co-curricular Activities

#### (1) Societies:

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

#### (2) 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.

#### (3) Film Shows:

Film shows were arranged to supplement the class room teaching and promote general education. A good number of films on scientific and technical

subjects sent by the Russian, German and French Consulates, the U.S.I.S. and B.I.S. were shown under the auspices of the different Societies.

### 9. Important Events

(1) The Bio-chemistry Department conducted an Applied Nutrition Training Programme for the functionaries of the Government of Gujarat throughout the year under the auspices of the Government of Gujarat and the UNICEF.

(2) The students of the Geology Department collected a sum of Rs. 2,000/- for the benefit of Adivasi Children of Gujarat through a charity Entertainment Programme on 3rd July, 1967. Professor P. J. Madan, Pro-Vice-Chancellor handed over the donation to a number of Adivasi Ashrams at the Annual Function of the Geological Society.

(3) A Summer Institute in Mathematics for University and College Teachers sponsored by the U.G.C., the U.S.A.I.D. and N.S.F. was organised under the Directorship of Professor U. N. Singh from 15th May, 1967 to 24th June, 1967.

(4) Three students of S.Y.B.Sc. class with Mathematics (Principal) were deputed to the Summer Institute in Mathematics for talented undergraduate students organised at Madurai University, Madurai from 2nd to 31st October, 1967.

(5) A Summer Institute in Physics for University and College Teachers from Gujarat, Rajasthan States sponsored by the U.G.C., U.S.A.I.D. and N.S.F. was conducted under the Directorship of Professor N. S. Pandya from 1st May, 1967 to 10th June, 1967.

(6) The Demographic Research Centre has been started under the Directorship of Smt. Indira Bhanot in the Department of Statistics to carry out research work in the field of Demography. It is sponsored by the Ministry of Health and Family Planning, Government of India.

(7) The Statistical Service Unit continued to do its work under the projects of Statistics Summaries of Medical Inspection Reports and Measurements, Wastage and Stagnation in University.

## CHAPTER X—FACULTY OF EDUCATION AND PSYCHOLOGY

1. The new system of organising courses of study and evaluation semester-wise and the new scheme of comprehensive and internal assessment in all subjects that are taught in the Departments of Education and Educational Administration were implemented during the year of reporting. Three features of this innovation deserve mention. Courses were assigned credit-points on the basis of the number of hours of study per week allotted to them. Secondly, each course was framed by the teacher responsible for teaching it and thirdly, students' achievement in the course was assessed by the teacher on a continuous basis according to a scheme of evaluation developed by the staff on an agreed basis. The assessment was done on an eleven point-scale. Eighty per cent attendance by the student in each course is a required condition. A Viva-voce Committee appointed by the University on which one or two external examiners sit finalises the results of the candidates on the basis of the internal records.

### 2. Courses of Studies

There is a 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 Diplomas : ( i ) Educational Administration  
( ii ) Guidance and Counselling
- (4) Undergraduate Diplomas : ( i ) Education  
( ii ) Early Child Education

### 3. Number of Students

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

	Students		
	Men	Women	Total
(a) Undergraduate Diplomas			
(1) Dip. Ed.	10	21	31
(2) Dip. in E.C.Ed.	—	27	27
Total	10	48	58
(b) Degrees :			
(1) B.Ed.	79	66	145
(2) S.Y.B.A. (Psy.)	7	37	44
(3) T.Y.B.A. (Psy.)	7	37	44
Total	93	140	233

	Students		
	Men	Women	Total
(c) Post-graduate Degrees :			
(1) Jr. M.Ed. (by papers and dissertations)	16	8	24
(2) M.Ed. (Full timers)	2	6	8
(3) Sr. M.Ed. (by papers and dissertations)	19	6	25
(4) Jr. M.A. (Psychology)	3	8	11
(5) Sr. M.A. (Psychology)	2	8	10
	Total	42	36
(d) Ph.D.	8	3	11
	Grand Total	153	227
			380

#### 4. Staff

During the year, the staff of the Faculty consisted of 3 Professors, 6 Readers, 15 Lecturers, 4 Assistant Lecturers, 12 Class III and 7 Class IV servants. In addition to the above, a Co-ordinator was in charge of the Department of Extension Services in Secondary Education.

#### 5. Library

The Faculty Library is amalgamated with Smt. Hansa Mehta Library and all students make use of that library. There is a separate post-graduate library attached to the CASE for the use of the post-graduate students and staff. The library has a collection of 4,746 books and it also subscribes to journals of high educational standard.

#### 6. Museum, Laboratory, etc.

The Faculty has a fully equipped museum, which contains all modern teaching aids for the use of the student-teachers. The equipments designed and made as 'Projects' by students under training are kept here for use.

Similarly the Faculty also maintains a laboratory with equipments for trying out experiments to be taught to pupils in the class. The Psychological laboratory is also well equipped for conducting tests, etc. by students.

#### Audio-Visual Programme :

The Unit of Audio-Visual Education organized a number of film-shows for the staff and students of the Faculty. The mobile units of the United States Information Services, Bombay, and the British Information Services, Bombay, screened about 12 documentary films at the Faculty.

The Unit also helped the Department of Extension Services and CASE arrange educational exhibitions, both at the Faculty and in the local schools. It organised the training programme in manipulation of audio-visual aids for the students of the B.Ed. and Dip.Ed. classes and helped the English Teachers Training Course for the primary teachers of Baroda conducted in the Faculty.

### 7. Publications

#### (1) Books:

Author	Title	Where published
Professor D. M. Desai	કેળવણીનું નવનિર્માણ—કેાહારી શિક્ષણપંચની ભલામણ—એક સમીક્ષા	A. R. Sheth and Co., Bombay, 1967
Professor D. M. Desai and Kum. S. S. Pandit	A Study of the Growth and Development of Maharaja Sayajirao University of Baroda (1949-1967)	Faculty of Education and Psychology

#### (2) Articles and Papers:

Professor D. M. Desai	(i) A Study of Finances of Higher Education in Gujarat	Education and Psychology Review, Baroda, Vol. II, No. 2, April 1967
	(ii) A Study of Finances of Higher Education in Gujarat	Education and Psychology Review, Baroda, Vol. VII, No. 3, October 1967
Dr. M. A. Quraishi	(i) Muslim Teachers and Students in the Middle Ages	M. S. University Journal, Baroda, April 1967
	(ii) Concept of Islam Education	Education and Psychology Review, Baroda, October 1967
Dr. B. P. Lulla	(i) Creative Expressions and Appreciation of Literature	Journal of Secondary Education, Delhi, October 1967
	(ii) Current Research in Secondary School Curriculum	Educational Herald, Jodhpur, September, 1967
Dr. S. M. Divekar	Education for Defence	Progress of Education, October 1967
Shri G. R. Sudame	(i) Why Study Local Geography?	Social Studies Teacher, Vol. IV, No. 1, April 1967
	(ii) The place of Geography in Secondary School Curriculum	Social Studies Teacher, Vol. IV, No. 2, July, 1967

#### (3) Journals:

The Faculty continued to publish the following journals and periodicals:

- (i) Education and Psychology Review, (ii) Social Studies Teacher and (iii) Advance in Education.

### 8. Centre of Advanced Study in Education

(1) The Centre was established in 1964 under a scheme sponsored by the University Grants Commission to encourage post-graduate teaching and research of high quality in the field of Education. The Centre has four units, viz. Psychometrics and Testing, Research Methodology and Service, Curriculum Development and Language Learning. During the Fourth Five-Year Plan period, the CASE has undertaken research work of national significance aiming at the basic theme, 'Total School Improvement'.

#### (2) CASE Publications (1967-68):

- (i) Professor A. S. Patel Advances in Education—Quarterly Editor
- (ii) Professor A. S. Patel, Dr. S. Bhattacharya and Dr. M. M. Shah Construction of a University Entrance Test for Prognostic purposes
- (iii) Professor A. S. Patel, Dr. S. Bhattacharya, Dr. M. M. Shah and Shri J. C. Parikh Construction and Validation of an Adjustment Inventory for the Study of Maladjustment particularly among Adolescents
- (iv) Professor A. S. Patel Problems of Students, Unrest and Indiscipline—A Seminar Report
- (v) Dr. B. P. Lulla and Shri D. R. Darji Curriculum Development in Secondary Schools—A Seminar Report
- (vi) Dr. S. Bhattacharya, Shri H. C. Patel, Miss S. B. Trivedi and Shri Z. M. Quraishi Pilot Study on the Determinants and Criteria of our Educational Standards—A Report

#### (3) CASE Seminar:

A seminar on 'Wastage and Stagnation in Education' was conducted at the Centre from 4th to 6th September, 1967.

#### (4) Centre's Colloquium for Staff and Post-graduate Students:

The staff members of the Faculty held symposia on different aspects of educational research. The programme was started with a view to promoting professional growth of the Faculty and CASE staff. Eleven topics were discussed during the year.

Topic	Speaker	Date
1. Current trends in Education and Educational Research	Dr. B. P. Lulla	13-7-1967
2. Research at ETS (U.S.A.)	Professor L. J. Bhatt	3-8-1967
3. New Horizons in Personality Research	Dr. S. Bhattacharya	17-8-1967

Topic	Speaker	Date
4. Self Concept as a Function of Vocational Choice	Dr. N. S. Pathak	31-8-1967
5. Linguistic Approach to Teaching a Second Language	Dr. M. V. Sreedhar	5-10-1967
6. Rural Community Education	Dr. (Miss) D. Husky	23-11-1967
7. Rural Community Education	Dr. (Miss) D. Husky	28-11-1967
8. Research Trends in the U.S.A.	Dr. A. S. Patel	7-12-1967
9. A Study of the Attitudes of the Young Towards the Aged	Dr. (Mrs.) M. S. Warty	18-1-1968
10. Teacher Education	Dr. B. P. Lulla	22-2-1968
11. Examination Reform in Faculties of Home Science and Social Work	Professor D. M. Desai	29-2-1968

#### (5) Foreign Assistance:

(i) Professor M. S. Patel, Head, CASE visited the U.S.S.R. in March and April, 1967 to study the Correspondence Courses for Teacher Education as a member of a three-man delegation sponsored by the Ministry of Education. He also visited centres of educational research and departments of education in some leading Universities of the U.K. and the School of Pedagogy, the University of Frankfurt under the scheme of the British Council Assistance to the CASE.

(ii) Professor A. S. Patel, Head of the Research Methodology Unit of the CASE, visited the U.S.A. from May to September, 1967 under the scheme of assistance of the Asia Foundation to the Centre. He visited the Centres of Advanced Study of Research Organisations at various universities in the United States. Besides, on his way to U.S.A. and on his return to India he visited institutions of education and departments of Psychology at Zurich (Switzerland), Stockholm (Sweden), Oslo (Norway), Bristol (U.K.), Tokyo (Japan), Hongkong and Bangkok (Thailand).

(iii) Dr. B. P. Lulla, Head of the Curriculum Unit of the CASE, visited the University Departments of Education at Bristol, London, Leeds, Edinburgh, Oxford, Cambridge, Birmingham, Southampton in the months of April, May and June 1967 under the Scheme of British Council Assistance to the CASE.

(iv) Dr. G. B. Shah of the Department of Education was deputed to Ann-Arbor as a Visiting Lecturer under Baroda-Michigan Project for a period of 8 months.

### 9. Literary, Cultural and Other Activities

#### (1) Department of Extension Services:

The Department has continued to cater to inservice needs of secondary schools of four districts, viz. Baroda, Panchmahals, Surat and Bulsar. It

organized a number of workshops and seminars for the inservice education of teachers and undertook a few special programmes.

(2) *Baroda Michigān Project (Centre of Research and Training in Rural Secondary Education):*

The Centre was formally established from 1st January, 1968 with the appointment of a Director-cum-Professor and a Lecturer. However, its regular programme of training leadership in rural community had commenced from July 1967, with the enrolment of 3 full-time and 3 part-time students under the M.Ed. Degree Programme of the University with specialization in Rural Community Education. The field-training of the students was confined to two villages of the Baroda District, Itola and Koyali. The training programme being interdisciplinary in nature, assistance was obtained of some staff members of the Faculties of Arts and Social Work and Shri V. T. Krishnamachari Institute of Rural Development.

The Centre worked on developing research tools indentifying community leaders and for collecting the perceptions of community leaders, teachers and school students on the best ways to develop community-oriented schools.

Dr. (Miss) Dorothy Huskey, Visiting Professor from the University of Michigan, U.S.A., helped in organising field-visits, programme of skill-training and further strengthening of the curriculum for training in leadership at the village level.

There were two students from the University of Michigan, attached to this Centre. One was Mr. Homer Hogle, a Ph.D. student working on the study of the impact of Anand Agricultural Institute of Agricultural practices of the rural community in the Kaira District; the other was Miss Andrea Achenberg, an undergraduate student from Michigan who took some courses in Humanities and Education.

(3) *University Students Counselling Centre:*

The Centre continued to render services to the students of the University in selection of their further vocation, for further studies abroad or in their individual personal problems. It also helped foreign students for their comfortable stay and study in the University. The Centre completed the research projects on (i) Preparation of D.A.T. Norms of Preparatory Unit and (ii) Preparation of Local Norms of Chatterji's Non-language Preference Record. It also continued to work on the research projects: (i) Study of Failures at Preparatory Arts and Commerce and (ii) Study of the Edwards Personal Preference Schedule on University Students. It published the brochure "Staff Perception of students: Structure of Characterisation".

**10. Co-curricular Activities**

(1) In order to involve every student of the Faculty in co-curricular activities, it was decided to form under the Faculty Union, various smaller clubs

such as (i) Literary Club, (ii) Drama club, (iii) Debate Club, (iv) Sports and Excursion Club, (v) Science Club, (vi) Folk-dance Club, carried out their activities throughout the year as under:

(a) An entertainment programme, (b) Tagore's Birthday Celebration, (c) Gandhi Jayanti, (d) Birthday Jayanti of Kavi Kant, (e) Get-together, (f) Film-shows, (g) Trips to Jojwa and Vasad and a tour of Saurashtra, (h) Three debates, (i) Extra mural lectures by Professor Panakal, Shri N. B. Sandesara and Shri Gani Dahiwalā, (j) Teachers' Day.

(2) The Faculty Day was celebrated on 24th and 25th February, 1968 under the Chairmanship of Dr. Thakorbhai Patel, Dy. Mayor of Baroda. Five old students of this Faculty—Sarvashri C. G. Bhatt, R. S. Trivedi, M. Oza, S. C. Parikh and Sawani were also felicitated on this occasion on their getting the National and State awards.

(3) Students of this Faculty participated in the 17th Inter-Faculty Youth Festival and some of them won prizes in the items of (i) Acting, (ii) Classical Vocal Music, (iii) Hindi and Gujarati Debates.

**11. Other Important Events**

(1) During the year under report the following distinguished Educationists and Educational Administrators visited the Faculty:

<i>Name of the Visitor</i>	<i>Dates of visit</i>
Mr. and Mrs. Wragg, Goldsmith Training College, London	1-9-1967 and 2-9-1967
Dr. William Roe, Michigan University, Ann Arbor, U.S.A.	10-1-1968
Dr. G. R. G. Hambly, British Council Expert for the Centres of Advanced Study in India	14-2-1968

## CHAPTER X (A)—UNIVERSITY EXPERIMENTAL SCHOOL

### 1. Courses of Study

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

The hobbies of arts, science, wood-work, photography, music, literature and gardening are rather the special features of the school. The school also provides for wood-work and needle work as crafts for classes V, VI and VII. 'Cooking' is the new hobby added during the current year.

### 2. Number of Students

Classes	Boys	Girls	Total
Primary : I to VII	152	123	275
Secondary : VIII to XI	97	72	169
Total:	249	195	444

### 3. Staff

	Graduate Trained Teachers	Undergraduate Trained Teachers
(a) Primary Section:	1	3
(b) Secondary Section:	10	1
(c) Specialized Teachers:	3	2
(d) Office	One Senior Clerk, two Junior Clerks and One Laboratory Assistant.	
(e) Class IV Servants:	Five for Secondary and two for Primary Sections.	

### 4. Library

500 new books, costing Rs. 1200/- approximately have been added to the existing stock this year. The school also continued to subscribe to 35 magazines and periodicals of high educational approach.

### 5. School Laboratory

The particulars are as under :

Sr. No.	Item	Cost of Equipment etc. as on 1-4-1967 Rs.	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 31-3-1968 Rs.
	Laboratory Equipment and apparatus	12,847-09	—	549-10	13,396-49

### 6. Experiments and Other Activities

(1) 14 Project Studies—6 in Social Studies, 5 in English, 1 in Mathematics, 1 in Science and 1 in Gujarati—were undertaken by the teachers of the School.

(2) Psychological tests were administered to the students of the IX, X and XI classes.

(3) The Science class of the School participated at the District Science Fair. Chi : Raksha S. Parikh won the second prize at the Fair for the essay on 'Inter Dependence of Vegetable and Animal Kingdom'.

(4) A number of students appeared at and passed extra examinations such as Elementary and Intermediate Drawing Examinations, U. N. O. Examination, General Knowledge Examination, Shishta Vachan Examination, Sanskrit and Hindi Examinations.

(5) The students of the School won two prizes in Shanker's International Art Competition, two in the Gujarat State Art Exhibition and two in Elocution Competitions held by the Junior Chamber of Commerce.

(6) Chi : Parul Hathi was selected for attending at the Pioneers Camp at Artak for her paintings sent for the Nehru Award held by the 'Soviet Land'.

(7) The result of the School at the S. S. C. examination was 93%. Chi: Gautam Shah and Chi: Uttam Oza were in the list of the First Ten successful students at the S. S. C. Examination held in March 1967. Chi: Usha Shukla stood Second at the S. S. C. examination held in October, 1967.

(8) Chi: Nivedita Trivedi was selected to participate in the Republic Day Parade at New Delhi. Chi: Varsha Trivedi was declared the best cadet at the Rajpipla N.C.C. Camp. Chi: Jetshri Amin and Chi: Veena Maithia were declared the best cadets of the Junior N.C.C. Girls' Troop.

(9) Chi: Chandresh Shah and Chi: Zubin Mandaviwala stood third and fourth respectively at the Scholarship Examination conducted by the State Government.

(10) Chi: Manish Amin and Chi: Kandarpa Shah won copper medals at the Korean Art Contest.

(11) The School won the first prize for 'Festivals of Gujarat' at the U.S.O. Conference. It also won the second prize in the item of Light Music and got merit certificates in Hindi and English Declamation Contest.

(12) The School organized classwise tours to Sankheda-Bahadarpura, Karvari, Jojwa, Chhota-Udepur and Nalsarovar.

(13) The Jayantis of Mahatma Gandhi, Guruvarya Tagore and Lokmanya Tilak were celebrated. 'Swapna Siddhi' a play at Gandhi Nagar

Grih was arranged during the celebration of the 25th Anniversary of 'Quit India' week. Programmes were also arranged on Social Education Day, U.N.O. and Human Rights Day and Independence and Republic Days.

(14) Dada Dharmadhikariji, Dr. K. M. Munshi, Mr. Charles ( American Student on Education of India ) were some of the distinguished visitors to the School.

## CHAPTER XI—FACULTY OF COMMERCE

### 1. Courses of Studies

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 Problem, Corporation Finance, Economics of Agriculture, Organised Industries, Trade, Transport, Business Administration, Advanced Accounting, Co-operation, Cost Accounts, Law relating to Industrial Relation and Income-tax.
- ( iii ) B.Com. : Accounting and Auditing, Banking, Cotton Industry, Co-operation, Public Finance, Advanced Statistics, Transport, Business Management.
- ( iv ) Post-graduate Diplomas : Banking, Co-operation.
- ( v ) Under-graduate Diploma in Co-operation :

### 2. Number of Students

The class-wise distribution of students during the year 1967-68 is as under:

Class	Men	Women	Total
Diploma in Co-operation (under-graduate)	1*	—	1*
F.Y. B.Com.	510	92	602
S.Y. B.Com.	382	40	422
T.Y. B.Com.	356	30	386
Junior M. Com.	26	1	27
Senior M. Com.	25	2	27
Post-graduate Diploma in Banking	41	2	43
Post-graduate Diploma in Co-operation	2	—	2
<b>Total :</b>	<b>1343</b>	<b>167</b>	<b>1510</b>

\* Excludes 4 men students permitted to join Under-graduate Diploma in Co-operation and S.Y. B.Com. course simultaneously. 1 F.Y. B.Sc. and 1 F.Y. B.A. student permitted to join the under-graduate Diploma in Co-operation simultaneously.

### 3. Staff

The staff of the Faculty consisted of 9 Readers, 13 Lecturers, 4 Part-time Professors, 6 Class III and 2 Class IV servants. The Departments of English, Law, Mathematics, Statistics and General Education made arrangements for the teaching of the subjects of English, Mercantile Law, Mathematics, Statistics and General Education. Some members of the staff of this Faculty gave lectures in the Faculty of Technology & Engineering, Faculty of Arts, Faculty of Law, and General Education Programme.

### 4. Library

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

### 6. Publication by members of the staff

<i>Name of the Teacher</i>	<i>Subject of Paper or Article</i>	<i>Name of the Journal wherein published with month of publication</i>
(1) Dr. H. L. Dholakia	Role of Food Corporation of India in the distribution of Foodgrains	M. S. University Journal, July 1967
(2) Dr. H. P. Chokshi	Depreciation Policy—A new look	M. S. University Journal, July, 1967
(3) Shri C. S. Rathod	Co-operative Bank for workers	The Economic Times, Bombay, January 1968
(4) Dr. D. K. Shukla	(i) Basic Ingredients of a National Food Policy	AICC Economic Review, April 1967
	(ii) Recession—The Phenomenon	The Economic Times, Bombay, July 1967
	(iii) Recession—A Reply	The Economic Times, Bombay, August, 1967
	(iv) The Basic Framework for a New Economic Policy in India	Journal of the M. S. University of Baroda, July 1967
	(v) A Theoretical Model and its Implications for Economic Growth in India	Conference Number of the Indian Economic Association, December, 1967

### 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 and (iv) 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 29th September, 1967 under the Chairmanship of Shri S. T. Raja, Chairman, Gujarat Electricity Board, Baroda. The subject of the debate was "In the opinion of this House Nationalisation of Banks, not mere social control, is the need of the hour in India to-day". The trophy was won by this Faculty.

(2) On 15th December, 1967 the Faculty organised on behalf of the Committee for Co-operative Training of the National Co-operative Union of India, New Delhi, an Inter-Faculty Prize Debate on Co-operation. The subject of the debate was "Co-operative Super Bazar is meant for Consumers' protection". Dr. C. S. Patel, Vice-Chancellor, presided over the function. The scroll was won by the Faculty of Commerce.

(3) The Faculty collaborated with the Baroda Branch of the National Association of Purchasing Executives in conducting a certificate course in Industrial Purchasing and Materials Management which was started during the year.

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, Anesthesia, Preventive and Social Medicine and Radiology
M.S.	Surgery, Anatomy, Orthopaedics and E.N.T.
M.Sc., Ph.D.	Anatomy, Physiology, Pathology, Bacteriology, Parasitology, Pharmacology and Biochemistry

(2) Diplomas	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 and Otology
D.M.R. & E.	Diploma in Medical Radiology and Electrology
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	Men	Women	Total
M.B.B.S.			
1st Year	96	24	120
2nd Year	99	25	124
3rd Year	102	19	121
4th Year	97	25	122
5th Year	104	32	136
Total :	498	125	623

(2) Post-graduate Degree	Men	Women	Total
M.D.	59	34	93
M.S.	33	11	44
M.Sc.	12	1	13
Ph.D.	5	1	6
Total :	109	47	156

(3) Post-graduate Diplomas	Men	Women	Total
D.A.	1	2	3
D.C.P.	4	4	8
D.G.O.	1	7	8
D.L. and O.	2	—	2
D.M.R. and E.	2	1	3
D.O.	3	—	3
D. Ped.	7	3	10
T.D.D.	3	—	3
D.V. and D.	2	—	2
Total :	25	17	42
Grand Total :	632	189	821

3. Staff

The staff of the Medical College and the S.S.G. Hospital consisted of a Dean, a Vice-Dean, 20 Professors, 32 Lecturers, 36 Junior Lecturers and other Gazetted Officers, 4 Part time Junior Lecturers, one Joint Superintendent, one Assistant Superintendent, 10 Honorary Medical Officers, 13 Assistant Honorary Medical Officers, 4 full time Specialists, 4 full time Medical Officers, 2 G.M.Sc. Class II staff, one Matron, 103 Class III and 68 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 1-4-1967)	11,677
( ii ) Books written off during the year	—
( iii ) Books added during the year	508
( iv ) Books as on 31-3-1968	12,185
( v ) Journals subscribed during the year	119
( vi ) Amount spent on binding during the year	—
( vii ) Total amount spent for Library and/or Reading room during the year.	18,084

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

Sr. No.	Item	Cost of Equipment as on 1-4-1967	Cost of Equipment etc. written off during the year	Cost of Equipment etc. added during the year	Cost of Equipment as on 31-3-1968
		Rs.	Rs.	Rs.	Rs.
( i )	Museum	3,25,923	3,228	8,835	3,31,530
( ii )	Laboratory	9,54,566	15,187	14,268	9,53,647
( iii )	Studio	13,483	—	—	13,483
	Total :	12,93,972	18,415	23,103	12,98,660

## 6. Publication and Research

A number of articles and papers etc., have been published by teachers of this college and of the attached 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 the hospital under the scheme of award of Research Fellowship by Government. There are research schemes under the W.H.O. Project as well as others sponsored by the University, the I.C.M.R., the C.S.I.R., etc.

## 7. Extra Curricular Activities

(1) The College participated in the University Week Celebrations in December, 1967.

(2) The 17th Annual Social Gathering was held at Gandhi Nagar Grih on 31st January, 1968. Dr. Chamanlal Mehta was the Chief Guest at the Gathering.

(3) A Welcome Social for the new students and the W.H.O. team and a term ending Social Gathering were also held in the College.

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 upto November, 1967. From December, 1967 Dr. T. V. Patel, Dean of the Faculty of Medicine 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

The total number of books is 2,629. Nine 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 Charak are arranged and maintained in the Museum. Specimens of minerals and other useful medicines have also been kept. A section on Ayurvedic Pharmacopacial 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 30,640 patients attended the Unit for treatment.

## (2) In patient Department :

Twenty-nine patients were admitted and investigated during the year.

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

(i) The work on evaluation of the effects of "Samshamni No. 1" as an anti-hypertensive drug has been concluded. Twenty cases have been studied.

(ii) Evaluation of the effect of the oil of semicarpus anacardium in cases of ankylostomiasis. Forty cases have been studied.

(iii) Evaluation of the effects of "Amrit Bhallataki Avaleha" in cases of rheumatoid arthritis. Five cases have been studied.

(iv) Evaluation of the effects of "Daryadi-Quath-Ghanavati" in cases of dysmenorrhoea. Five cases have been studied.

(v) Clinical trial of "Ekhara-Beej = Hygrophila spinosa" in cases of male sterility. Twenty cases have been studied.

(vi) Clinical trial of "Rasavanti = Berheris Asiatica" in cases of leucorrhoea. Three cases have been studied.

(vii) Evaluation of the effects of "Lashuna-Yoga" in cases of bronchial asthma. Seventeen cases have been studied.

(B) *Research in the fundamental theories of Ayurveda :*

The work of Prakriti-Vinischaya in relation with haematological studies is in progress. Fifty normal subjects have been examined.

(C) *Pharmacological Research:*

## Anti-inflammatory activity of Guggul :

Mahayograj Guggul is used extensively as anti-rheumatic remedy in the Ayurvedic practice of medicine. Mahayograj Guggul contains some 24 ingredients. In view of this it seemed of interest to test the efficacy of one of the chief ingredients viz. Guggul for its anti-rheumatic anti inflammatory activity against experimentally induced inflammation. Dexamethasone and indomethacin were used as reference compounds.

Anti-inflammatory activity experimentally studied in male albino rats weighing 200 to 250.0 g, by the cotton pellet implantation method described by Robinson & Robson (1964).

6. *Rasa-Shala*

Amrit-Bhallatak-Avaleha for clinical trials in rheumatoid arthritis and Deva-darvyadi Quath-Ghanavati for clinical trials in gynaecological diseases 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.

8. *Publications*

Name of the Contributor	Title of the paper	Name of the journal wherein published
(1) Vaidya M. K. Brahmabhatt	दद्रमंडल पर पीलुडीना पाननी असरतुं मूल्यांकन	आयुर्वेद जगत, मुंबई जुलाई १९६७
(2) Vaidya Nagardas M. Pathak and Vaidya Y. R. Pandit	संकुलित साहित्य संग्रह, भाग १	एम. एस. युनिवर्सिटी प्रेस, वडोदरा, १९६७.

## CHAPTER XIII FACULTY OF TECHNOLOGY AND ENGINEERING

### 1. Courses of Study

The Faculty provides the following courses:

(1) Master's Degree M.E.	Civil, Electrical and Mechanical Engineering
M.Text. Engg.	Textile Engineering
M.U.D.	Architecture ( Urban Design )
(2) Post-graduate Diploma	Refrigeration and Air-Conditioning
(3) B.E.	Chemical, Civil, Electrical, Electronics, Mechanical and Metallurgical Engineering
(4) B.Text. Engineering	Textile Engineering
(5) B.Text. Technology	Textile Technology
(6) B. Arch.	Architecture
(7) Post-Diploma Diploma	Refrigeration and Air-Conditioning
(8) 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:

	<i>Men</i> <i>Students</i>	<i>Women</i> <i>Students</i>	<i>Total</i> <i>Number of</i> <i>Students</i>
(1) <i>Diploma</i> :			
Textile Chemistry:			
1st Year	33	—	33
2nd Year	29	—	29
3rd Year ( Final )	136	—	136
Textile Technology:			
Pre. T.T.	39	—	39
1st Year	43	—	43
2nd Year	31	—	31
3rd Year ( Final )	27	—	27
	<hr/>	<hr/>	<hr/>
<b>Total:</b>	338	—	338
(2) <i>Post-Diploma</i> :			
Refrigeration and Air-Conditioning	6	—	6

### (3) Degree :

	<i>Men</i> <i>Students</i>	<i>Women</i> <i>Students</i>	<i>Total</i> <i>Number of</i> <i>Students</i>
B.E.I Civil, Mechanical, Electrical, Metallurgical and Chemical Engineering	466	2	468
B.E.I. Electronics Engg.	24	—	24
B.E.II. Electronics Engg.	13	—	13
B.E.III. ( Electronics )	5	—	5
F.Text. Engineering and Technology	84	—	84
B.E.II Chemical	41	—	41
B.E.II Civil	89	2	91
B.E.II Mechanical	131	—	131
B.E.II Electrical	109	—	109
B.E.II Metallurgy	49	—	49
S.Text. Engg.	27	—	27
S.Text. Tech	32	—	32
B.E.III Chemical	39	—	39
B.E.III Civil	119	2	121
B.E.III Mechanical	157	1	158
B.E.III Electrical	81	—	81
T.Text. Engineering	22	—	22
T.Text. Tech.	36	—	36
B.E.IV Chemical	42	—	42
B.E.IV Civil	86	1	87
B.E.IV Mechanical	117	—	117
B.E.IV Electrical	56	—	56
B.E.V Chemical	37	—	37
B.E.V Civil	32	—	32
B.E.V Mechanical	14	—	14
B.E.V Electrical	6	—	6
B.E. ( Special ) Civil	8	—	8
B.E. ( Special ) Mechanical	10	—	10
B.E. ( Special ) Electrical	8	—	8
B.Text. ( Engineering )	32	—	32
B.Text. ( Technology )	18	—	18
B.Arch. I Year	43	17	60
B.Arch. II Year	41	8	49

	Men Students	Women Students	Total Number of Students
B.Arch. III Year			
B.Arch. IV Year	41	13	54
B.Arch. V Year	39	5	44
Pre-Engineering Civil	47	7	54
Pre-Engineering Mechanical	8	—	8
Pre-Engineering Electrical	17	—	17
	12	—	12
<b>Total :</b>	<b>2,238</b>	<b>58</b>	<b>2,296</b>
(4) Post-graduate Diploma Course in Refrigeration and Air-Conditioning	10	—	10
(5) Post-graduate Degree :			
(a) M.E. (Civil) Soil Mech. Jr.	1	—	1
M.E. (Civil) Soil Mech. Sr.	3	—	3
M.E. (Civil) Public Health Engg. (Jr.)	8	—	8
M.E. (Civil) Public Health Engg. (Sr.)	6	—	6
M.E. (Civil) Highway and Bridge Engg. (Jr.)	7	—	7
M.E. (Civil) Highway and Bridge Engg. (Sr.)	1	—	1
M.E. (Civil) Structural Engg. (Jr.)	7	1	8
M.E. (Civil) Structural Engg. (Sr.)	5	—	5
M.E. (Civil) Hydraulics (Jr.)	2	—	2
M.E. (Civil) Hydraulics (Sr.)	1	—	1
(b) M.E. (Mechanical) Internal Combustion Engg. (Jr.)	9	1	10
M.E. (Mechanical) Internal Combustion Engg. (Sr.)	4	—	4
M.E. (Mechanical) Production Engineering (Jr.)	4	—	4
M.E. (Mechanical) Production Engineering (Sr.)	5	—	5

	Men Students	Women Students	Total Number of Students
(c) M.E. (Electrical) Servo Mechanism (Jr.)	10	—	10
M.E. (Electrical) Servo Mechanism (Sr.)	4	—	4
M.E. (Electrical) Power Engg. (Jr.)	4	—	4
M.E. (Electrical) Power Engg. (Sr.)	1	—	1
(d) M.Text.	—	—	—
(e) M.Arch. (Urban Design)	—	—	—
<b>Total :</b>	<b>82</b>	<b>2</b>	<b>84</b>
(6) Government of India Technical Teachers Trainees :			
First Year :			
Civil	—	—	—
Mechanical	1	—	1
Electrical	2	—	2
Second Year :			
Civil	—	—	—
Mechanical	5	—	5
Electrical	—	—	—
Third Year :			
Civil	2	—	2
Mechanical	1	—	1
Electrical	1	—	1
	12	—	12
<b>Summary</b>			
(1) Diploma Courses	338	—	338
(2) Post-Dip. in Refrigeration	6	—	6
(3) Degree Courses	2,238	58	2,296
(4) Post-graduate Diploma Courses	10	—	10
(5) Post-graduate Degree Courses	82	2	84
	2,674	60	2,734

	Men Students	Women Students	To: a Number of Students
(6) Technical Teachers	12	-	12
<b>Grand Total:</b>	<b>2,686</b>	<b>60</b>	<b>2,746</b>

### 3. Staff

During the year the staff of the Faculty consisted of 15 Professors, 28 Readers, 47 Lecturers, 3 Visiting Lecturers (including retired teachers), 46 Senior Instructors, 2 Junior Instructors, 32 Assistant Lecturers, 152 Class III and 89 Class IV servants.

### 4. Library

Several books were purchased at a cost of Rs. 95,449-95 during the year 1967-68. The total value of the books and periodicals was Rs. 5,38,121-74 at the end of March 1968. 2,723 books were added during the year under report.

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

Sr. No.	Item	Cost of equipment as on 1-4-1967 Rs.	Cost of equipment etc. written off during the year Rs.	Cost of equipment added during the year Rs.	Cost of equipment etc. as on 31-3-1968 Rs.
1.	Laboratories, Workshop, Studio etc.	39,36,956-36	—	1,90,257-00	41,27,213-36

### 6. Publications by the members of the staff

#### (i) Articles/Papers:

Name	Title	Name of the journal wherein published with month of publication
Dr. K.S. Shah	Import substitution of copper by Aluminium and Steel	Economic Times 1967
Sarvashri J. G.	Network Realizing mini-	Institution of Engineers (India),

Name	Title	Name of the journal wherein published with month of publication
Advani and P. K. Boaker	sum positive Real functions of Twelfth Ranks	1967
Professor J. S. Dave and Dr. J. M. Lohar	Mixed Liquid Crystals additive effect of terminal polar groups in Schiff's bases	J. Chem. Soc. (A) 1967 1473-1478
Professor R.V. Joshi and Shri A. K. Memon	Phosphorescence centres in doped and 'pure' KCl crystals at about 200° K.	Indian Journal of pure and Applied Physics, Vol. 5. P. 120 1967

### 7. 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 eminent persons were arranged. Students of this Faculty took part in various Inter-Faculty, Inter-University and other debating and elocution contests.

### 8 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-five films were shown during July 1967 to March 1968.

#### (2) Co-operative Stores:

The working of the store was satisfactory. The total sale during the year amounted to Rs. 28,310,-.

### 9. Other Important Events

The Faculty organised the Sequential Summer School in Electrical Engineering. The participants were selected from the educational Institutions only. The financial assistance for this school was provided by the Association of Principals of Technical Institutions (India) in collaboration with the USAID.

## CHAPTER XIV—FACULTY OF FINE ARTS

### 1. Courses of Studies

The Faculty offers the following courses :

- |         |                          |   |
|---------|--------------------------|---|
| ( i )   | Ph.D.                    | Art Criticism, Painting   |
| ( ii )  | M.A. ( Fine )            | Applied Arts, Art Criticism, Art Education, Painting and Sculpture  |
| ( iii ) | B.A. ( Fine )            | Applied Arts, Painting and Sculpture  |
| ( iv )  | Post-graduate Diploma    | Museology   |
| ( v )   | Post-Diploma and Diploma | Applied Arts, Painting and Sculpture  |
| ( vi )  | Diploma                  | Textile Design  |
| ( vii ) | Certificate              | Bronze Casting, Lithography, Photography, Pottery and Ceramics, 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
<b>(1) Certificate :</b>			
First Year	4	2	6
Second Year	3	2	5
Total	7	4	11
<b>(2) Diploma :</b>			
Preparatory	24	10	34
First Year	13	4	17
Second Year	15	2	17
Third Year	22	—	22
Total	74	16	90
<b>(2) Post-Diploma :</b>			
Junior	6	—	6
Senior	7	1	8
Total	13	1	14

<b>(4) Degree :</b>	<i>Men</i>	<i>Women</i>	<i>Total</i>
Preparatory	15	12	27
First Year	13	8	21
Second Year	7	9	16
Third Year	10	4	14
Total :	45	33	78
<b>(5) Post-graduate Diploma in Museology :</b>			
Junior	1	1	2
Senior	2	3	5
Total :	3	4	7
<b>(6) Post-graduate Degree :</b>			
Junior	1	2	3
Senior	4	—	4
Total :	5	2	7
<b>(7) Ph.D.</b>			
	2	—	2
Total :	2	—	2
<b>Grand Total :</b>	149	60	209

In addition to the above, there were 12 men and 20 women non-collegiate students, Government Scholars, Commonwealth and Fullbright Scholars and Specialised students studying in this Faculty.

### 3. Staff

The staff of the Faculty of Fine Arts including the Museology Department consisted of 3 Professors, 5 Readers, 19 Lecturers, 2 Assistant Lecturers, 2 Part-time Instructors, 14 Class III and 16 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) Books on Art (10 volumes), a Pictorial Encyclopaedia, (2) Tenta Art.

Besides books, there is a collection of prints and reproductions of various art forms ( Painting, Sculpture, Graphics etc. ) and slides in the departments of Painting, Sculpture and Art History.

	Books including back No. of journals	Pamphlets	Total value in Ps.
Number of the beginning of the year	4,655	94	74,625 58
Number added during the year	311	—	2,991 45
Number remaining at the end of the year	4,966	94	77,617-03

## (B) Periodicals :

The Total number of periodicals and journals subscribed to now stands at 19; the total amount spent for the subscription of the periodicals is Rs. 1,020 14.

A small departmental library containing books belonging to the University Library is also maintained in the Museology Department for reference purposes.

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

Sr. No.	Item	Cost of equipment as on 1-4-1967 Rs.	Cost of equipment etc written off during the year Rs.	Cost of equipment added during the year Rs.	Cost of equipment as on 31-3-1968 Rs.
1.	Studios, Workshops, Painting, Sculpture and Applied Arts	3,51,698-86	—	2,427-61	3,54,126-47
2.	Museology	70,320-62	—	—	70,320 62
	Total	4,22,019-48	—	2,427-61	4,24,447 09

## 6. Publications by the Staff members :

The following works were published during the year :

Articles, Papers

Author	Title	Where Published
(1) Shri Ratan Parimoo	(i) Indian Painting from the mid 19th Century to the Present day	"Making of Modern India", Volume VII of the series 'Cultural Heritage of India' published by Ramkrishan Mission Institute of Culture, Calcutta.
	(ii) Baroda School of Painting	'Gnyan kosh', Gujarat Vidyapeeth, Ahmedabad

Author	Title	Where published
	(iii) Paintings of Gajendra Nath Tagore	Akashwani Bulletin, October 1967 and 'Kumar', February 1968
(2) Professor N. Chaudhuri	(i) Artist and Society	Lalitkala Contemporary, Volume No. 6, 1967
	(ii) Figurative and Abstract	Lalitkala Contemporary, Triennale Issue
(3) V. H. Bedekar	NCME—An Introduction	Journal of the West Bengal Head Masters Association, Calcutta, Special Issue, 1967

## 7. Literary, Cultural and Other Activities :

(1) Sarvashri Jyoti Bhatt and G. T. Sheikh organised an exhibition on 'Folk Art of Gujarat' for the Gujarat State Government at Bharatiya Vidya Bhavan, Bombay, in June 1967.

(2) A Seminar on 'Problems of Art Education' was held in the Faculty in September 1967 under the auspices of 'Vishwa Manav' Magazine.

(3) Professor N. Chaudhuri gave a talk on 'The Role of Art in Building of a Nation' at the Lions International Youth Congress held on 19th October, 1967.

(4) On the occasion of 'Seminar on Teaching of History', a special Art History programme was held in the Faculty premises accompanied by a small art exhibition and slide shows in 1967.

(5) Under the Departmental Publication Series, the 9th book 'MUSEUMS TODAY, 1967' by Dr. Grace Morley, Adviser on Museums, Government of India, Ministry of Education, was published.

(6) The Third Volume of 'Studies in Museology' was published. Shri S. M. Nair was the Editor of this publication.

(7) The Students' Association staged a play in English 'Blood Wedding' by Lorca. The play was directed by Mrs. Janet Guthrie and Shri G. T. Sheikh.

(8) A Co-operative Store 'Sahakar' was started in the Faculty to supply art materials to students at reasonable prices.

## 8. Co-curricular Activities

(1) Coaching classes in Art were arranged in April-May, 1967 for the benefit of students seeking admission to courses in the Faculty.

(2) The Birth centenary of Gangedranath Tagore was celebrated in September 1967; an exhibition of about 200 photographs of his Painting was also arranged on the occasion.

(3) The Art Club, which is open to all citizens of Baroda and the aim of which is to foster a greater understanding of the visual arts among the lay public was inaugurated by the Vice-Chancellor in September 1967.

(4) The Faculty collaborated with U.S.I.S. in arranging a seminar and exhibition on 'Art Education in U.S.A'. A three day seminar on 'Contemporary Art' was also organised in December 1967. During February 1968, an exhibition of Czechoslovak Graplines was arranged in the Faculty.

(5) A study tour for the students and the staff of the Faculty was arranged to Ajanta and Ellora during December 1967.

(6) Shri V. H. Bedekar continued his work as Chairman of the National Committee for Museum Education. Shri R. T. Parikh worked as General Secretary of the All Indian Museum Camp held at Calcutta in November 1967. Shri S. M. Nair was elected as an active member on the Indian National Committee of the ICOM.

(7) The museum Association of Gujarat was formed and Sarvashri Bedekar and Parikh were elected as Vice-President and Honorary Secretary respectively.

(8) The students and staff members of the Museology Department visited museums and allied institutions at Trivendrum, Maddurai, Coimbatore, Cochin, Ootakamund, Mysore, Banglore, Madras and Hyderabad.

### 9. Other Important Events

(1) The Annual Fine Arts Fair was arranged on 17th and 18th December, 1967 and an amount of Rs. 7,918 was collected for the Students Welfare Fund. Out of the collection, an amount of Rs. 2,000/- was donated to the Koyana Relief Fund.

(2) A Special Function was held on 25th March, 1968 to felicitate award and prize winners and to bid farewell to outgoing students. Shri Somalal Shah, the renowned artist of Gujarat was the Chief Guest at the function.

(3) The teachers of the Faculty participated in various group shows of Paintings, Sculptures, Textiles etc. and held one man shows and individual shows at various Centres.

(4) Shri Jeram Patel, Reader in Applied Arts was elected to the Lalitkala Akademi to represent artists' organisations of Gujarat, Professor N. Chaudhuri and Professor K. G. Subramanyam were elected among the nine eminent artists by the Lalitkala Akademy.

(5) Sarvashri R. R. Panchal and G. T. Sheikh represented India at the Paris Biennale. Shri Panchal was awarded the Musee Redin prize for his sculpture.

(6) Shri Mahendra Pandya was selected to represent India at the Sao Paolo Biennale.

(7) Professor K. G. Subramanyam was awarded the Gold Medal for Graphics in the first India Triennale Exhibition held at Delhi. The works of students and staff members of the Faculty were also included in India Section of the Exhibition.

(8) Shri Arvinda Chakravarti received the third prize in Painting (Artist Category) and Kum. K. Mukherjee, Kum. Vinodini Desai and Shri Chandrakant Bhatt—students of the Faculty received prizes in Painting, Graphics and Sculpture respectively in the Gujarat State Lalitkala Annual Art Exhibition held at Ahmedabad.

(9) Mr. Ponse Delion and Professor Ichenberg of Pratt Institute, Brooklyn, U.S.A. and Shri Krishna Reddy of Atelier 17 Paris, visited the Faculty and gave talks on various aspects of Print-Making.

(10) Dr. Gerlings and Mr. Coowan, Head and Curator of the Museum of Royal Tropical Institute, Amsterdam visited the Department of Museology and delivered a series of talks on subject related to Museology.

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), M.Sc. (Home) : (i) Clothing and Textiles  
(ii) 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	—	125	125
(c) Third Year	—	133	133
(d) Fourth Year	—	131	131
(i) Foods and Nutrition	19		
(ii) Child Development	9		
(iii) Home Management	16		
(iv) Clothing and Textiles	17		
(v) Education and Extension	10		
(vi) General Home Science	60		
Total :	—	515	515

Year/Class	Students		
	Men	Women	Total
(2) Post-graduate Diploma in Nursery School Education	—	2	2
(3) Junior M.Sc. (Home)	—	45	45
(i) Foods and Nutrition		12	
(ii) Child Development		10	
(iii) Home Management		9	
(iv) Clothing and Textiles		8	
(v) Education & Extension		6	
(4) Senior M.Sc. (Home)	1	33	34
(i) Foods and Nutrition		9	
(ii) Child Development		7	
(iii) Home Management		3	
(iv) Clothing and Textiles	1 + 11		
(v) Education and Extension		3	
Total :	1	78	79
(5) Ph.D. :			
Foods and Nutrition	2	1	3
Grand Total:	3	596	599

3. Staff

The staff of the Faculty consists of 2 Professors, 6 Readers, 20 Lecturers, 17 Assistant Lecturers, 15 Class III and 25 class IV servants. The Faculty also continued to receive the help of the staff of the other faculties for teaching various courses.

Dr. Helen Wells, Visiting Professor under the Ford Foundation Project continued to help the Home Management Department. She conducted various research schemes at the Post-graduate level and also guided theses of the Post-graduate students.

4. Library

The Faculty Library was amalgamated with Smt. Hansa Mehta Library

and all books were shifted there in 1964-65. All five departments maintain a small reference books library for the use of staff members, post-graduate and research scholars. The Faculty also subscribes to periodicals which are scientific and general in nature.

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

Item	Cost of Equipment as on 1-4-1967 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 31-3-1968 Rs.
Museum, Laboratory etc.	3,95,960-79	—	19,400-20	4,15,360-99

#### 6. Publications by the members of the staff

Author/s	Title	Where published
(1) Prof. (Smt.) Amita Verma	(i) Post-graduate Programmes in Child Development in Home Science Colleges	Indian Journal of Home Science, Vol. I, No. 82, July 1967
	(ii) A Report of 45 Pre-school Institutes in the city of Baroda	M. S. University of Baroda, October 1967
(2) Kum. Savitri Pandit	A Book—A Manual of Children Clothing	Orient Longmans Ltd., Bombay, December 1967
(3) Dr. Helen Wells, Kum. Nalini Ogale and Kum. Aruna Kotecha	Time and Nations Study of Meal Preparation in Home Management House	M. S. University of Baroda, 1967
(4) Dr. Helen Wells, Kum. Nalini Ogale and Kum. Q. Zohra	Housing Facilities and Preferences for Selected Samples of Owners of Houses in Baroda, Gujarat State	M. S. University of Baroda, 1967
(5) Kum. Malathi Chakravathy	Problems of Adolescent Girls and their implications in the High Secondary Curriculum of Home Science	Journal of Home Science, 1967

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

(1) Dr. P. H. Mehta of the National Institute of Education, N.C.E.R.T. delivered lectures on the subjects—(1) Learning Theories, (ii) Achievement and Personalities and (iii) Research related to guidance and counselling and also advised students on research projects in the Child Development Department during the period from 4th to 8th March, 1968.

(2) The Faculty organised the following educational tours :

Department	Educational Centres and places visited
(i) Foods and Nutrition	Haffkine Institute, Catering College, Botanical Garden, C.F.T.R.I., Silk Factory, Sandalwood Factory etc. at Bombay Madras, Ooty, Mysore, Bangalore, Secunderabad, Aurangabad, etc.
(ii) Child Development	Bal Vihars, Bala Mandirs, Orthopaedic Centres, Seva Samajs, etc. at Bombay, Madras, Coonoor, Bangalore, Poona etc.
(iii) Home Science Education and Extension	Places of interest at New Delhi, Ludhiana, Chandigarh, Nilokheri, etc.
(iv) Home Management	Design Centre at Ahmedabad

(3) The Clothing and Textiles Department arranged an exhibition on "Traditional Embroideries in India". The Home Management Club also arranged two exhibitions : (i) Flower Arrangement and (ii) Home Furnishing.

(4) The staff of the Home Management, Education and Extension and Child Development Departments gave extension lectures in the refresher courses at the S. E. O. Training Centre, in the Labour Welfare Centre and Social Welfare Agencies, etc.

(5) As a part of the activities of the Parent Association, 6 to 8 lectures were held in Chetan Balwadi and were well attended by the parents

(6) The students and staff of the Faculty staged a variety entertainment programme on 2nd February, 1968 and collected Rs. 4128-94 for the Koyana Earthquake Relief Fund.

(7) The Annual Magazine of the Faculty was published in the second session of the academic year.

(8) A Booklet—'Home Science as a Career'—was written by Smt. A. Shah and Smt. K. Paralikar for the Vocational Guidance Centre of the Government of Gujarat.

## CHAPTER XVI—FACULTY OF SOCIAL WORK

### 1 Courses of Study

Post-graduate Degree in Social Work - M.S.W.

The training programme of the Faculty consists of three major components :

#### (1) Class Room Work

The courses of study aim at preparing competent workers for variety of positions in the fields 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 the system of electives was introduced during the academic year. This system enables students to select field courses according to 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 five agencies cooperating with the Faculty and participating actively in providing good learning experiences to the students.

In the initial years there were no suitable agencies for offering field experiences in the fields of Rural Social Work, Urban Community Welfares and Psychiatric Social Work. The Faculty took the 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 Bhaili and Raipura. Every year 5 to 7 students are placed in these Centres for their field work training. As a part of student training programme the Faculty carried out Social Education Programme for members of the Youth League. These programmes included recreational and cultural activities, literacy classes, discussions on topics related to social and economic life of rural people. 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 also carried out in these villages.

##### (ii) Fatehgunj 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 students were placed in the centre for their field work experiences. This year the centre had organised variety of activities for youth.

#### (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. The objectives of the Clinic have been to provide field instructions to Psychiatric social work students, to offer psychiatric services to the community and to participate in programmes leading to the prevention of mental illness in the community. As of October 1965, the Clinic is working as a Psychiatric Department of the hospital. However, we do use the Clinic services for students' training programme and receive all the help and co-operation from the staff in providing excellent learning experiences to our students. One of the staff members is working in the Clinic to supervise and coordinate the field work training programme of the students.

#### (3) Research Experience

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

#### (4) Camp and Study Tour

The camp and study tour programme form a part of the total training programme of the students in the Faculty. A programme of camp was organised at Shamlaji, District Sabarkantha during the first academic term for junior students. The purpose was to provide students with an experience in democratic group living and also to offer them an opportunity to study the working of a rural and tribal community development block sponsored by the State. The programme of study tour to Hyderabad 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 some 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 1967-68 was as under:

Class	Men	Women	Total
Senior Class	26	14	40
Junior Class	23	17	40
		1 Non-Collegiate	1
Total:	49	32	81

### 3. Staff

The staff of the Faculty consisted of 1 Professor, 2 Readers, 5 Lecturers, 2 Assistant Lecturers, 1 Agency Supervisor, 1 Part-time Lecturer, 9 Class III and 7 Class IV servants

### 4. Library

( I ) Acquisition notes

( i ) 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. 1300/- for periodicals and Rs. 1000/- for educational films.

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

	Books ( including Pamphlets and bound periodicals )		Total value in Rupees Rs. P.
Number at the beginning of the year	6,208	1,750	53,803-55
Number added during the year	551	300	3,999-51
Total :	6,759	2,050	57,803-06

( B ) Periodicals :

The total number of periodicals and scholarly journals subscribed to during the year stands at 48. About 110 volumes of bound periodicals were added to the stock during the year. Amount spent for subscription etc. is Rs. 1,241-27. Amount of Rs. 1000/- allotted to film grant was reappropriated to Books Grant.

### 5. Publications by the members of the staff

Name of the Teacher	Title of Paper/ Article	Name of the Journal wherein published
Professor G. G. Dadlani	( i ) Social work in Correctional Set-ting	M. S. University Journal ( Social Science number )

Name of the Teacher	Title of Paper/Article	Name of the Journal wherein published
Shri S. R. Ramdev	( ii ) Historical Review of Social Work Education in India Supervision in Social Work	Seminar Report of the Association of Schools of Social Work Journal of Social Work, Vol. III, December, 1967. Lucknow University.
Shri I. P. Shelat	History of Village Panchayats in India	Samaj Kalyan of Madhya Pradesh Government, September 1967
Kum. I. M. Patel	Maximising Citizens' Participation for Social Welfare	Seminar Report of the Indian Council for Social Welfare

### 6. Literary, Cultural and other Activities

Faculty Agency Seminar

( 1 ) To accomplish greater involvement of Field Work Agencies in the students' training programme, a programme of seminar on the following topics was organised by the Faculty. The local members of the voluntary welfare organization, Government Agencies and Industrial organizations participated in these Seminars.

( a ) A seminar on 'Family Planning Services' was held on 30th September, 1967.

( b ) A Symposium on Foster-Home Care Services was organised on 20th March, 1968.

( 2 ) On request from the Ministry of Health and Family Planning, Government of India, New Delhi, a programme Workshop and a short-term training course were organised for Urban Community Development workers. The participants for these programmes represented the States of Gujarat, Rajasthan, Andhra Pradesh and Delhi Administration. For organizing these programmes, the Faculty received a grant of Rs. 8000/- from the Ministry of Health and Family Planning, New Delhi.

### 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 organizations. Film shows are periodically arranged to supplement class room teaching.

( 2 ) The Students' Association of the Faculty organised socials, sports, outings, debates and lectures by eminent speakers on topics of academic interest. It also arranged a picnic to Chandod-Karnali on 22nd January, 1968. The

Association worked for Bihar and Koyana relief funds and raised an amount of Rs. 1,199-75.

(3) The Study Circle arranged a series of lectures on different topics during the year. The students participated in the programmes organized at the university level.

(4) First prize was awarded to the Faculty in Garba Competition in Inter-Faculty Cultural Programme. Kum. Rani Bhaktani won the first prize in the Elocution Competition.

(5) Rao Bahadur Ramlalbai H. Desai Gold Medal was awarded to Shri V. C. Kumaran who stood first in order of Merit for the Group enrolled for the year 1965-67. He was also awarded Shrimati Manorama Karandikar Shield on 22nd March, 1968. The Alumni Association Shield was awarded to Shri P. K. Menon, alumni of the group 1965-1967 who stood second in the order of merit.

(6) The Alumni Association continued to give information and counsel to graduates regarding job and other problems. Since its inception, the Association has been making constant efforts 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 18 years of its establishment the Faculty has trained 389 graduates. Most of them are holding key positions in the field.

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

The Institute entered its 12th Year.

The Social Educational Organizers Training Centre was discontinued from 1st April, 1967. It implemented four programmes: (i) The Panchayati Raj Training, (ii) The Family Planning Communication and Action Research, (iii) Social Welfare Training, (iv) Social Science Orientation for Ahmedabad School of Public Health Nursing. The Panchayati Raj Training Centre conducted 9 courses and trained 232 fresh trainees; the total number of trainees trained so far are 1734. In follow up programmes the various villages in Baroda District were visited by the teaching staff to contact the past trainees to evaluate the impact of training. The Family Planning Communication and Action Research Project undertook the Pilot work for orientation in staff development for Medical Officers, field project in staff development, Refresher course and Workshop for ex-trainees. Family and Child Welfare Programme was sponsored by the Central Social Welfare Board, New Delhi in August 1967. Two courses were conducted during the year. During the first course there were 53 trainees and during the second, there were 57 trainees. The Social Science Orientation for Public Health Nursing Students was held this year also as usual. The Scheme 'Conditions and Care of the Aged in Rural communities in certain parts of Gujarat' was completed and the writing work of the report is on hand.

## CHAPTER XVII—FACULTY OF LAW

### 1. Courses of Studies

The Faculty of Law imparts instruction for the following courses:

(i) LL B. (Old Course)	}	Law
LL B. (General)		
LL B. (Special)		
(ii) LL M.		
(iii) Ph D.		
(iv) Post-graduate Diploma	(1)	Taxation Laws & Practice (D.T.P.)
	(2)	Labour Laws & Practice (D.L.P.)

New three year course in Law—LL.B. (General) and LL.B. (Special):

As per the resolution of the Bar Council of India the new Three-year course in Law has been started from the academic year 1967-68 in the interest of reorganization of Legal Education. Under the new pattern students, wishing to have academic legal qualification can get the degree of Law called LL.B. (General) at the end of two years, successful study and those wishing to have the professional degree in Law will be required to study for one more year to obtain the professional degree in Law called LL.B. (Special). During the second year of the course candidates may choose any one of the following options alongwith other usual compulsory subjects:

Labour Laws (2 papers) OR Taxation Law (2 papers) OR International Law (2 papers) OR Land Revenue, Tenancy Legislation, Village Panchayats, Law of Co-operatives (2 papers).

### 2. Number of Students

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

Class	Men	Women	Total
First year LL.B (General)	153	26	179
Second year LL.B (Old)	145	12	157
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Total:	298	38	336
D.T.P.	56	3	59
D.L.P.	56	7	63
	---	---	---
Total:	112	10	122

Class	Men	Women	Total
Jr. LL. M.	14	2	16
Sr. LL. M.	17	—	17
Total:	31	2	33
Grand Total:	441	50	491

### 3. Staff

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

### 4. Co-curricular Activities

During the year several Debates, Musical Evenings etc. were arranged wherein all the members of the staff and students took active interest. The Annual Day of the Faculty was celebrated at the General Education Auditorium on 26th February, 1968.

### 5. Lectures

Shri D. G. Desai, M.A., LL.M., Secretary, Gujarat Legislative Assembly addressed the staff and students on "Parliamentary Democracy; Theory and Practice" on Saturday, 7th October, 1967. Shri S. M. Nanavaty, District & Sessions Judge, Baroda was in the Chair.

### 6. Other Important Events

Prof. H. C. Dholakia has been appointed as a member of the Official Language Legislative Commission, by the State government.

## CHAPTER XVIII—ORIENTAL INSTITUTE

1. The main work of the Oriental Institute is research and publication of unpublished important works carried on with the help of a big collection of manuscripts and printed books on all subjects related to Indology. 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. At the end of March 1968, the number of publications in the Institute was 153 in the Gaekwad's Oriental Series and 588 other books.

### 2. Post-Graduate Teaching

Besides the above, as a part of the scheme of co-ordination of the teaching of 14 Shastras of Sanskrit in the University, 7 members of the Institute are recognised as Post-Graduate teachers in Sanskrit and Gujarati for guiding M. A. and Ph. D. students. They guided in all 4 Ph.D. students in Sanskrit, Gujarati and Ancient Indian Culture and 128 M. A. students in Sanskrit, Gujarati and Prakrit. The Director continued to work as Head of the Gujarati Department of the Faculty of Arts.

### 3. Staff

The staff consisted of 1 Director, 1 Deputy Director, 4 Research Officers, 8 Class III and 9 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, 12 Critical Apparatus Writers, 2 Class III and 2 Class IV Servants.

### 4. Library

#### (1) Manuscripts Section :

This section has already a collection of 24,838 Manuscripts in Sanskrit, Prakrit, Pali, Apabhramsa and other classical Indian languages and in several modern Indian languages including some in Persian and Arabic. Of these 153 were added during the year, out of which 65 were purchased and 88 were received as gifts from :—

- ( i ) Shri Kanaiyalal Bhaishankar Dave, Patan (North Gujarat)— 85 MSS.
- ( ii ) Shri Rajendra Pranshankar Shukla, Broach—1 MS.
- ( iii ) Shri Gatulal Jatashankar Trivedi, Baroda 2 MSS.
- ( iv ) Dr. Umakant P. Shah, Dy. Director, Oriental Institute ~1 MS.

During the year, 46 Manuscripts were lent out to other institutions, 30 to local scholars and 65 were issued for work on the premises of the Institute, while 1 Manuscript was borrowed from outside.

## (2) Printed Books Section :

The Institute has a well-equipped library having a collection of 29,695 Books.

## (i) Books :

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

There have been some noteworthy additions during the year viz. collected works of Bu-ston, pts. 7-9; Indian Miniatures in the Allahabad Museum; Linguistic Survey of India by Grierson, Vol. I, pt. 1-2, Vol. II and Vol. IV; Catalogue of the Western Asiatic seals in the British Museum; Silpa Prakasa by Ramchandra Kaulacara; Khajuraho, a Study in the Cultural Conditions of Chandella Society by Vidya Prakash; A Dictionary of Indian History by S. Bhattacharya; Sri Sakala Santa Gatha, Vol. I and II; Pragaitihasik Bharatiya Chitrakala etc.

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

	Books including b und periodicals	Total value in Rs.
Total number of volumes as on 31-3-1967	28,750	2,71,712 = 59
Number added during the year 1967-68	945	14,159 = 06
Total :	29,695	2,85,871 = 65

Out of the total number of books added during the year, 375 books were purchased at a cost of Rs. 7,279-06 P. and 570 books were received as gifts and on exchange basis.

## (ii) Periodicals :

The total number of periodicals and scholarly journals subscribed to and received on an exchange basis during the year is 310.

## (iii) Circulation and Reference Service:

The collection is maintained as a reference collection for study and research in Indology for the staff of the Oriental Institute and scholars working in this field. 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 subjects, under the purview of the Institute, to read on the premises. Select contents of Journals of Oriental learnings are being compiled and published in the Journal of the Oriental Institute.

## 5. Publications

## (1) Geukwad Oriental Series:

Uptil now 153 volumes have been published under this series. The following two works are under print:

(i) Krtyakalpataru Pratist' akanda, edited by Shri K. V. Rangaswami Iyengar, Pages 1-24 printed,

(ii) Chakkammuvaeso - by Professor M. C. Modi (Pages 1-144 printed)

The Ministry of Education, Government of India has sanctioned a sum of Rs. 43,300/- for reprinting ten 'out of print' Sanskrit books. Four works were published the year before last and four have been published during the year as mentioned below.

(i) Sadhanamala Vol I (G. O. S. No. 26)

(ii) Sadhanamala Vol. II (G. O. S. No. 41)

(iii) Guhyasamaja or Thathagataguhyaka (G. O. S. No. 53)

(iv) Manasollasa Vol. I (G. O. S. No. 28)

The remaining two works are under print.

## (2) M. S. University Research series:

Laghu Prabandha Samgraha - edited by Shri J. P. Thaker is under print.

## (3) M. S. University Oriental Series.

(i) The Vidvajjanavallabha of Bhojaraja edited by Mr. David Pingree and

(ii) Manmathnatyam edited by Muni Shri Punyavijayji and Dr. U. P. Shah are under print.

## 6. Translation Branch

(1) 'બહુચરાણ' by Shri N. M. Valanda was published under Shri Sayaji Balajnanamala.

(2) The following works under Shri Sayaji Sahityamala are under print:

(i) ગુજરાત : એક દર્શન Shri Shivprasad Rajgor

(ii) મહાગુજરાતના મુસલમાનો Shri Karim Mahamad Master

(iii) એઆમંડળના વાધેરો Shri Kalyanrai N. Joshi

(iv) ગુજરાતી કારસી સાહિત્યનો ઇતિહાસ Shri M. F. Lokhandwala

## 7. Publications by the members of the staff

Name	Title	Where published
Prof. B. J. Sandesara	(i) બલોર અને શ્રીમાલની વિદ્યા- પુસ્તિકા, એપ્રિલ ૧૯૬૭	યાત્રા

Name	Title	Where published
	( ii ) ભુલાયેલી નગરી નગરા	નવચેતન, દીપોત્સવી અંક સં. ૨૦૨૩
	( iii ) ગુજરાતના સાંસ્કૃતિક ઇતિહાસનું એક ભુલાયેલું પૃથ્થ	ગુજરાત દીપોત્સવી અંક, સં. ૨૦૨૩
	( iv ) ગુજરાતી વૃત્તપંત્રોના અથલેખો	બુદ્ધિપ્રકાશ, નવેમ્બર ૧૯૬૭
	( v ) શોધ અને સંસ્કૃતિ	સાહિત્ય સમીક્ષા - મૂલ્યાંકન ઓર શોધ
	( vi ) અતીન્દ્રિય જ્ઞાની શ્રીમદ્ રાજચંદ્ર	શ્રીમદ્ રાજચંદ્ર શતાબ્દી અંક
	( vii ) સિદ્ધરાજ જયસિંહ અને કુમારપાલનો પ્રજ્ઞાચક્રુ રાજકવિ શ્રીપાલ	Shri Mahavir Jain Vidyalaya, Golden Jubilee Volume
	( viii ) માનાહી નર્મદાશંકરભાઈ	D. B. N. D. Mehta Memorial Volume
Dr. U. P. Shah	( i ) New Documents of Jaina Paintings Jointly with Dr. Motichandra	Mahavira Jaina Vidyalaya Golden Jubilee Volume, Part I, Jan. 1968 pp. 348-420 with plates
	( ii ) Cattanam Madham	Annals of Bhandarkar Oriental Research Institute, Golden Jubilee Number
	( iii ) Sabda-Vilasa or Parasinamamala of Mantri Salaka of Gujarat	Dr. V. Raghavan Felicitation volume
	( iv ) ચારિત્રવાન કોણ ?	જનકલ્યાણ; ૧૯૬૭, ચારિત્ર વિશેષાંક
	( v ) પદ્મશ્રી રવિશંકર મ, રાવલ	સ્વાધ્યાય; પુ. ૪, અંક-૩ અક્ષય-વૃત્તીયા અંક, ૧૯૬૭.
	( vi ) મહાકવિ જીમેન્દ્ર રચિત ચારિત્ર્ય	હિન્દુ મિલનમંદિર, નવેમ્બર ૧૯૬૭
	( vii ) કારવણુની એક પ્રતિમા	પ્રવાસી (અમદાવાદ), ઓક્ટોબર ૧૯૬૭.
	( viii ) Few Jaina Bronzes from Cambay	Lalit Kala No. 13

Name	Title	Where published
	( ix ) મોઢેરાનું સૂર્યમંદિર	ગુજરાત, દીપોત્સવી અંક, સં. ૨૦૨૩
	( x ) કચ્છના એક ક્ષત્રપકાલીન શિલ્પનું મસ્તક	સ્વાધ્યાય, પુ. ૫, અંક ૨, વસંત-પંચમી અંક, સં. ૨૦૨૩
	( xi ) ગુજરાતના પ્રાચીન શિલ્પો અને સ્થાપત્ય	કુમાર-કલા અંક, ડિસેમ્બર ૧૯૬૭, પુ. ૨૮, ૨૯
	( xii ) A Rare Naga Sculpture from Rajasthan	Lalit Kala No. 13
Shri J. P. Thaker	( i ) મહારાજનો પ્રબન્ધ : એક અવલોકન	સ્વાધ્યાય, પુ. ૪, અંક ૩, અક્ષયવૃત્તીયા, ૧૯૬૭
	( ii ) Genuineness of Uttaradhyayana-Sutra IX, 34-36	Shri Mahavira Jaina Vidyalaya, Golden Jubilee Volume, Part I
	( iii ) Obituary Dr. (Miss) Helen M. Johnson	Journal of the Oriental Institute, Vol. XVI-4; June 1967 issue
Dr S. D. Parekh	( i ) વર્ણકોના સાહિત્યની પરંપરા	Published in the Essay-collection of 23rd Gujarati Sahitya Parishad and Gujarati Monthly 'Hindu Milan Mandir' Oct. 1967
	( ii ) અંબડકથાના આંતર-પ્રવાહો	Shri Mahavira Jaina Vidyalaya, Golden Jubilee Volume.
	( iii ) શ્રીમદ્ રાજચંદ્રજી	શ્રીમદ્ જન્મશતાબ્દી મહોત્સવ અંક, નવે. ૧૯૬૭.
	( 2 ) Books	
Prof. B. J. Sandesara	અન્વેષણ	R. R. Sheth & Co., Princess Street, Bombay-2.
	8. Ramayana Department	
	During the year, the following is the progress of the Editorial Section :	
	( 1 ) Yuddhakanda—Edited by Dr. P. L. Vaidya—First Fascicule upto pages 352 (Sargas 1-50) and pages 353-376 printed. Final press copy of sargas 54-60 was sent to the Press. Press copy of Sargas 61-66, 68-74 and 78 was prepared. Press copy of Sargas 67 and 75 to 77 was under preparation.	
	( 2 ) Uttarkanda—Edited by Dr. U. P. Shah. Editing of Sargas 4 and 5 was continued. Rough work of critical apparatus of Sargas 1-5 was prepared. It was considered desirable to find out some more evidence from South espe-	

cially Malabar. As some more manuscripts from Malabar were to be taken up for collation, reconstitution of further Sargas was postponed.

(3) The Collation work was done as stated below :

S.2	Yuddhakanda	Sargas	117-128
S.2	Uttarkanda	Sargas	1-111
N.2	Uttarkanda	Sargas	75-111
V1	Uttarkanda	Sargas	35-111
V3	"	Sargas	38-111
M5	"	Sargas	13-111
M6	"	Sargas	38-106
M7	"	Sargas	1-74

### 9. Journal of the Oriental Institute

The institute has regularly published a quarterly Journal. During the year Vol. XVI, nos. 3 and 4 and Vol. XVII, nos. 1 and 2 were published. 113 subscribers were registered during the year and 249 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 'Svadhyaaya'

The Institute has started a new Gujarati quarterly 'Svadhyaaya'. Nos. 3 and 4 Vol. IV and nos. 1 and 2 of Vol. V were published. 112 subscribers were registered during the year.

### 11. Visiting Professors in the Institute

Following six lectures by three learned lecturers on different subjects were arranged in the Institute this year:

Name of the Lecturer	Subject	Date
Dr. Raghbir Sinhji, D. Litt., LL.B.	( i ) History, its purpose and the question of re-writing of Indian History	28-11-1967
	( ii ) Need and importance of study and research in regional histories, the History of Gujarat	29-11-1967
Prof. A. B. Athavale, Hon. Professor, B. J. Institute of Learning and Research, Ahmedabad.	રસમીમાંસા સાહિત્યશાસ્ત્રની દૃષ્ટિએ	24-1-1968

Name of the Lecturer	Subject	Date
Shri Prabhashanke. O. Somapura	( i ) ભારતીય પ્રાસાદોની ચૌદ જાતિ-શૈલીઓ	4-3-1968
Silpa Visharad, Palitana	( ii ) નાગરશૈલીના પ્રાસાદ-સ્થાપત્યની રચના અને તેના માન-પ્રમાણ	5-3-1968
	( iii ) ગુજરાતના સ્થાપત્યાવશેષોનું શાસ્ત્રીય દૃષ્ટિએ વિવરણ	6-3-1968

### 12. Other Important Events

(1) Professor B. J. Sandesara was awarded a prize of Rs 600/- by the Government of Gujarat for his book 'કૃતિહાસ અને સાહિત્ય' which was adjudged to be one of the best Gujarati books in literary criticism.

(2) Dr. U. P. Shah was the Sectional President on 'History and Archaeology' at the Delhi Session of the Gujarati Sahitya Parishad which met at Delhi on 25th to 27th October, 1967. He worked as the honorary editor of the journal of the Indian Society of Oriental Art, New Series, Volume I and II.

(3) The Institute has been in charge of the scheme of preparing text-books in regional languages. The printing work of 'અર્વાચીન ભારતીય કેળવણીનો વિકાસ' by Dr. D. M. Desai and 'વનસ્પતિશાસ્ત્રપ્રવેશિકા' by Late Dr. A. R. Chavan and Dr. C. H. Pathak is in progress.

(4) The following were the distinguished visitors to the Institute this year :

Name	Date of visit
( i ) Mr. W. Y. Nega, Mayor of Kampala, Kampala ( Africa )	8-4-1967
( ii ) Mr. Sylvester Nathan Wanja, Mayor of Geneva, Geneva	8-4-1967
( iii ) Miss Anna Libera Dallapiccola, Sydesian Institute, University of Heidelberg, West Germany	15-7-1967
( iv ) Dr. P. B. Gajendragadkar, Vice-Chancellor, Bombay University, Bombay	13-10-1967
( v ) Shri Kedar Nath Misra, Lecturer, Dept. of Indian Philosophy and Religion, College of Indology, Benaras Hindu University, Varanasi	24-10-1967

Name	Date of visit
(vi) Mrs. L. C. Van Vorse Van Beest, Assache Netherland Embassy, Damascus.	12-1-1968
(vii) H. E. Shri Shriman Narayan, Governor of Gujarat, Ahmedabad	29-1-1968
(viii) Professor Ram Singh, Chancellor, Gurukul Kangdi University, Gurukul (Hardwar)	1-2-1968
(ix) Dr. Hartmut E. E. Scharfe, Associate Professor, Dept. of Classics, University of California, California	20-2-1968

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

### 1. Courses of Studies

The College offers the following courses:

- (1) M.Mus. : Music, Dance, Dramatics
- (2) B.Mus. : Music (Vocal and Instrumental—Sarangi, Sitar, Violin, Tabla), Dance (Bharat-Natyam, Kathak) and Dramatics
- (3) Diploma : Music (Vocal and Instrumental—Sitar, Violin Tabla), Dance (Bharat-Natyam, Kathak) and Dramatics

### 2. Number of Students

The number of students enrolled in the various classes in the year 1967-68 was as under:

#### (1) Diploma:

Year/Class	Men Students	Women Students	Total number of Students
1st Year	132	152	284
2nd Year	43	65	108
3rd Year	23	41	64
4th Year	11	17	28
5th Year	14	20	34
Total :	223	295	518

#### (2) Degree:

1st Year B.Mus.	6	9	15
2nd Year B.Mus.	4	8	12
3rd Year Jr. B.Mus.	2	9	11
4th Year Sr. B.Mus.	5	3	8
Total :	17	29	46

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

Jr. M.Mus.	3	3	6
Sr. M.Mus.	3	—	3
Total :	6	3	9

Grand Total : 246 327 573

In addition to the above there were 8 non-collegiate students—3 at degree level and 5 at diploma level.

### 3. Staff

The staff consisted of 1 Professor, 2 Readers, 10 Lecturers, 1 Honorary Visiting Lecturer, 6 Assistant Lecturers, 17 Ustads, 5 Tabla Accompanists, 9 Class III and 10 Class IV employees.

### 4. Library

The College Library received as usual the grant of Rs. 2,000/- from the University for purchase of books and Rs. 600/- for periodicals. The grant has been fully utilised.

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

	Books	Bound periodicals	Total Value Rs.
(1) Number of books at the beginning of the year	5,468	612	41,083-00
(2) Number of books added during the year	197	—	1,997-07
Total:	5,665	612	43,090-07

The College also subscribed to 42 periodicals.

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

Item	Cost of Equipment as on 1-4-1967 Rs.	Cost of equipment written off during the year Rs.	Cost of equipment etc. added during the year Rs.	Cost of equipment as on 31-3-1968 Rs.
Museum and Physics Laboratory	1,26,329-72	—	3,022-71	1,29,352-43

### Literary, Cultural and other Activities

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

- (1) Prof. V. V. Sadagopan gave a lecture-Demonstration on Karnatak Music on 19th December, 1967.
- (2) Shri M. D. Master, President, All India Puppetters' Federation & Director, Indian Institute of Puppetry, Bombay delivered two lecture-demonstrations on Puppetry on 8th and 9th February, 1968.

### 7. Co-curricular Activities

- (1) The College celebrated the Professor Maula Baux Jayanti on 15th July, 1967 and the Naratanacharya Jayanti on 3rd and 4th February, 1968.

(2) Shri Natoo Patel, a past student of the College gave a talk 'My Impression of Great Britain with reference to the Theatre' on 25th July, 1967.

(3) Condolence meetings were held to pay homage to the Late Bal Gandharva, Pandit Omkarnath Thakur and Shri E. Krishna Iyer on 26th July, 1967 and 9th and 12th January, 1968 respectively.

(4) The students and the staff of the College arranged the cultural programmes as shown below:

Date	Occasion
12-10-1967	Dr. P. B. Gajendragadkar, Vice-Chancellor, University of Bombay and Chief Guest at the Annual Convocation
24-10-1967	12th Annual Conference of the Akhil Bharatiya Darshan Parishad
29-10-1967	26th Annual Conference of the Association of Principals of Technical Institutions
29-11-1967	Session of the All India Museum Association

(5) Saturday Programme and Musical Evening Programme were arranged on 26th August and 30th September, 1967 respectively.

(6) A special exhibition of Indian Musical Instruments was inaugurated by Shri Gordhandas Chokhawala, Minister for Education, Gujarat State on 18th November, 1967.

(7) The College Annual Day was celebrated on 17th February, 1968. Professor P. J. Madan, Pro-Vice-Chancellor who was the Chief Guest at the function distributed the prize certificates.

(8) The Department of Dramatics presented the following dramas to the members of the Natghar Audience :

- |                                  |   |
|----------------------------------|---|
| (i) Nis Din Barsat Nain Hamare   | 16th and 17th December, 1967<br>23rd and 24th October, 1967 |
| (ii) Shriman Dharamdas           | 26th to 29th October, 1967                                  |
| (iii) Nava Kalevar Dhara Hansala | 2nd to 5th March, 1968                                      |

### 8. Other Important Events

(1) Professor. R. C. Mehta was a recipient of an honorary degree of Doctorate in Music, Sangit-Shiksha Parangat at the Convocation of the Akhil Bharatiya Gandharva Mahavidyalaya Mandal, held on 24th December, 1967 at Hyderabad. The conferment was in the form of a Scroll and a Shawl.

(2) Dr M. S. Rao, Joint Director, Collegiate Education of Bhopal and two other members of the Inquiry Committee of Indira Kala Sangeet Vishwa Vidyalaya, Kairāgarh visited the College on 10th July, 1967.

(3) Professor Mayekar, Education Minister, Government of Goa, Daman and Div visited the College on 21st February, 1968.

## CHAPTER XX—BARODA SANSKRIT MAHAVIDYALAYA

## 1. Courses of Studies

The Institution offers the following courses of Studies :

- ( i ) Vachaspati By Research.  
 ( ii ) Acharya and Shastri Vyakaran Shastra, Jyotish Shastra, Dharma (Special Pandit Course) Shastra, Sahitya Shastra, Sankhya Yoga and Vedant Darshan, Nyaya and Vaisheshik Darshan, Purva Mimansa Shastra.  
 ( iii ) Visharad Grammar and Literature, and Astrology and (Madhyama Kaksha) Astronomy,  
 ( iv ) Upadhyaya Yajurveda Yagniki, Rigveda Yagniki, Puran (Pratham Kaksha) and Shukla Yajurveda.

## 2. Number of Students

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

	Men	Women	Total
( 1 ) Prathama Kaksha ( Certificate )	48	5	53
( 2 ) Madhyama Kaksha ( Diploma )	21	4	25
( 3 ) Uttama Kaksha—Shastri	10	—	10
( 4 ) Uttama Kaksha—Acharya	5	—	5
( 5 ) Vachaspati	3	—	3
Total :	87	9	96

## 3. Staff

During the year under report, the staff of the Institution consisted of the Principal, 13 Adhyapakas, 1 Honorary Adhyapak, 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 of the maintenance of the Library and Reading-room during the year :

Sr. No.	Particulars	Number	Cost in Rs.
( 1 )	Books ( including back numbers of Journals ) as on 1-4-1967.	4608	16,188-04
( 2 )	Books written of during the year	—	—
( 3 )	Books added during the year	48	531-05
( 4 )	Books as on 31-3-1968	4656	16,719-09
( 5 )	Journals subscribed during the year	11	99-10

## 5. Publications by the members of the staff

The following research articles by the members of the staff were published in the annual issue of ' SURBHARATI ', 1967-68:—

Name of the Contributor	Title	Where published
( 1 ) Shri H. C. Mehta, Principal Sanskrit Mahavidyalaya, Baroda.	वेणीसंहारस्य वस्तुविमर्शः	Surbharati, 1967-68
( 2 ) Pt. Shri S. Y. Mishra, Pradhyapaka in Vyakaran Shastra	न्यायदर्शनस्य मौलिकता	„
( 3 ) Pt. Shri L. K. Zha, Pradhyapaka in Jyotish Shastra	दृश्यपंचांग, व्यक्तिपातपरिवर्तन साहसनिरासः	„
( 4 ) Shri S. V. Bhattbhatt, Pradhyapak in Dharma Shastra	नङ्गवैवादः	„
( 5 ) Shri J. R. Pathak, Adhyapak in Vyakara Shastra	लक्षणा प्रसङ्गः	„

## 6. Literary, Cultural and Other Activities

( 1 ) Four teachers of the Institute gave extension lectures under the auspices of Sharadopasak Mandal on “ निषेधमीमांसा, ” “ मोक्षस्वरूप ” etc.

( 2 ) Four eminent scholars were invited to give lectures under the Extra Mural Grant of the University on “ लोकार्थविचारः, ” “ माघे सन्ति त्रयो गुणाः ”, etc.

( 3 ) The Principal gave popular lectures at Dabhoi, Vasad and Baroda on ‘ Importance of Gita in Life ’, ‘ Bhakti Marg ’ and ‘ Position of Hariraiji in Pusti Marg ’.

( 4 ) Valmiki, Vyas, Kalidas and Geeta Jayantis were celebrated on 18th April, 21st July, 13th October and 12th December, 1967 respectively.

( 5 ) The Sharadotsava was celebrated in October 1967.

## 7. Co-curricular Activities

( 1 ) An Elocution Competition in Sanskrit was arranged on 28th February, 1968 and Shri Abhinava Sacchidananda Tirthaji Maharaj of Dwarka Sharada Peetha Medal was awarded to Shri R. R. Acharya, a student of Dharma Shastra Acharya Class.

(2) A Sanskrit Kavi Sammelan was also arranged in the Institution on 10th March, 1968 wherein a number of leading Sanskrit poets of Baroda participated

### 8. Other Important Events

(1) The Annual Day was celebrated on 15th February, 1968 under the presidentship of Professor P. J. Madan, Pro-Vice-Chancellor. Prizes, Medals, and Certificates were distributed to the successful students of the Institute. An entertainment programme consisting of a Sanskrit Drama and Sanskrit Garbas was also arranged on the occasions.

(2) The Institute published the *Surbharati* this year also.

(3) The following donations were received this year:

(i) Rs. 5,000/- from Shri H. R. Thakkar of Bajuva for the teaching of Sankhya-Yoga and Shankar Vedant in Shastri and Acharya Classes.

(ii) Rs. 5,000/- from Shri Nathdwara Temple Board for the teaching of Shuddhadwait Vedanta Darshan in Shastri and Acharya Classes.

(iii) Rs. 500/- from Sheth Shri Hansaraj Pragaji Thackersey Educational Trust, Bombay for the purpose of giving additional stipends to students on basis of their performance in Terminal Examinations.

(iv) Rs. 5,000/- from Shri Jayantibhai Manilal Thakar in the name of his father Manilal Chhotalal Thakar for starting Shukla Yajurved first year class in the Pratham Kaksha in the Institute.

(v) Rs. 5,000/- from Shri Jayantibhai Manilal Thakar for providing facilities for the study of Shukla Yajurved with Vikruties as an Optional Subject in Pratham Kaksha.

(4) The Government of Gujarat gave a special grant of Rs. 600/- for purchase of deadstock articles and Rs 800/- for purchase of books. The grants were fully utilised by the Institute.

## CHAPTER XXI—PREPARATORY UNIT : ARTS AND COMMERCE

### 1. Courses of Studies

The Unit provides instruction in 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 1967-68 was as under :

Class	Men	Women	Total
Preparatory Arts	331	374	705
Preparatory Commerce	584	145	729
Total	915	519	1,434

### 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 the teaching work in Preparatory classes.

### 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 students, in English, Indian Languages, Social Studies and Science.

### 5. Co-curricular Activities

(1) *NCC., ACC and Sports :*

As the NCC training is made compulsory for all the male students admitted to the Preparatory Unit since June, 1963, the number of students from this Unit is large in the NCC. The enrolment of the lady students in the NCC Unit was also quite encouraging.

A few students participated in the indoor and outdoor sports at the Inter-Faculty competitions and University Week Festival items.

(2) *Extra Mural Lectures :*

The Principals of various Colleges were invited to address the students of the Preparatory Arts and Commerce Classes under the Extra Mural Lectures Scheme as follows :

(i) Principal, J. T. Parikh, M.T.B. College, Surat

(ii) Principal, S. R. Bhatt, B.D. College, Ahmedabad

(iii) Principal, Y. P. Shukla, H.K. Arts College, Ahmedabad

(iv) Principal, I. V. Trivedi, Somnath College, Veraval

(3) *Debates and Literary Activities :*

The Students' Association arranged a competitive debate during the second term. Some students participated in the debate and were awarded prizes.

#### 6. Other Events

(1) 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. Shri K. S. Yajnik, Professor V. Y. Kantak, Dr. K. N. Naik, Dr. (Kum.) S. A. Nachane and the members of the Counselling Centre addressed the students. Lectures on the importance of the medical check up and personal hygiene were also arranged for the students. Dr. Thakorbbhai Patel, Convener, Medical Examination Board, Dr. M. H. Tailor, Medical Officer, Professor G. G. Dadlani, Dean, Faculty of Social Work and Shri B. K. Naik, Director, Physical Education addressed the students. This was followed by the detailed medical check up of all Preparatory students.

(2) Musical Evening and Annual Day celebrations were organized during the first and second terms respectively. Students participated in the University Week and cultural competitions.

## CHAPTER XXII—PREPARATORY UNIT—SCIENCE

### 1. Courses of Study

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

### 2. Number of Students

During the year there were 976 men students and 156 women students. The total number of students was 1,132.

### 3. Staff

There are on the staff of the Unit a Head, 5 Class III and 5 Class IV servants. No separate teaching staff is appointed for this Unit but competent staff members from different departments in the Faculties of Arts and Science and the General Education Department teach the students admitted to the Preparatory Science Course.

### 4. Library

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

### 5. Other Activities

(1) At the commencement of the first term of the academic year 1967-68, an Orientation Programme was arranged in the Auditorium of the General Education Centre.

(2) Members of the Medical Examination Board of the M. S. University of Baroda gave lectures on the importance of medical check-up and personal hygiene to the students of the Unit.

(3) The following lectures were arranged under the Scheme of Extra Mural Grant of the Preparatory Unit Science in the Auditorium of the General Education :

	<i>Name of the Lecturer</i>	<i>Date</i>	<i>Subject</i>
( i )	Dr. R. D. Desai, Principal, M. G. Science Institute, Ahmedabad	25-11-1967	Some Chance Discoveries in Chemistry
( ii )	Dr. P. C. Vaidya, Professor of Mathematics, Gujarat University, Ahmedabad	27-11-1967	Relativity and Geometry
( iii )	Dr. N. M. Shah, Parekh Brothers Science College, Kapadvanj	9-12-1967	Modern Trends in Science

Name of the Lecturer	Date	Subject
(iv) Dr. M. S. Joshi, Department of Physics, S. P. University, Vallabh Vidyanagar	12-12-1967	Atom and Atomic Energy
(v) Professor Y. P. Shukla, Principal, H. K. Arts College, Ahmedabad	16-12-1967	Science and Religion
(vi) Dr. G. Chaurasia, Principal, Regional College of Education, Bhopal	15-1-1968	Prospects of Training Programme for Pre- paratory Science Students

#### 6. Co-curricular Activities

(1) Students of this Unit participated in the Inter-Faculty debates, sports and tournaments held by the M. S. University Union throughout the year and also at the XVII Inter-Faculty Youth Festival.

(2) A student of this Unit won the second prize at the Inter-Faculty Vice-Chancellor Trophy Debate in English.

(3) Preparatory Unit—Science team won the first prize in Group Dance at the XVII Inter-Faculty Youth Festival.

(4) Three men students and three women students of the Unit were selected to represent the University Kho-Kho Tournaments (Men and Women) held at Nagpur from 16th to 22nd January, 1968.

(5) Shri Niranjana Bhogilal Sandesara, a student of the Unit of the year 1966-67 stood second in the National Science Talent Search Examination of 1967 and was awarded Scholarship and Certificate of Merit by the Department of Science Education, National Council of Educational Research and Training, Government of India, New Delhi.

## 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 :

- (1) Preparatory Courses in Arts, Science and Commerce
- (2) First Year B.A. and B.Com.
- (3) Second Year B.A. (Major)—Economics, History, Gujarati, and Political Science
- (4) Second Year B.A. (Minor)—History, Gujarati, Hindi, Political Science, Ancient Indian Culture, Psychology
- (5) Second Year B.Com.

Courses in Preparatory Science, S.Y.B.A. and S.Y.B.Com. were introduced from June 1967.

### 2. Number of Students

The number of students enrolled in different classes at the commencement of the year 1967-68 was as under :

Class	Men	Women	Total
(1) Preparatory Arts	56	14	70
(2) Preparatory Commerce	99	2	101
(3) Preparatory Science	79	3	82
(4) F.Y.B.A.	26	6	32
(5) F.Y.B.Com.	45	2	47
(6) S.Y.B.A.	14	11	25
(7) S.Y.B.Com.	17	—	17
Total	336	38	374

### 3. Staff

During the year, the staff of the College consisted of One Principal, 7 Lecturers, 11 Assistant Lecturers, 1 Physical Instructor, 11 Class III Employees (Clerks and Technicians) and 10 Class IV Servants. Over and above the teaching staff attached to this Institution, two teachers—one from Faculty of Science and one from Faculty of Arts—were invited for teaching the subjects of Statistics and Political Science as part-time teachers.

### 4. Library

The College has a separate Library. It received from the University a grant of Rs. 9,000-00 for books and Rs. 1,000-00 for periodicals. The grant has been fully utilized. The following statement gives the details for acquisitions by the College Library :

	Books	Periodicals	Total value in Rs.
(1) Number at the beginning of the year	634	45	5,805-83
	104 Loan from the University Library		
(2) Number added during the year	1,206	13	998-03 (Periodicals) 8,997-39 (Books)
Total	1,944	58	15,801-25

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

The following is the statement of the cost of equipments :

Sr. No.	Item	Cost of equipment as on 1-4-1967 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 31-3-1968 Rs.
(1)	Laboratory (i) Physics		—	7,881-12	7,881-12
	(ii) Chemistry		—	10,240-87	10,240-87
	(iii) Biology		—	1,179-61	1,179-61
	Total		—	19,301-60	19,301-60

### 6. Literary, Cultural and Other Activities

Under the auspices of the College Economics Society, a symposium was arranged on the subject "Technology, and not the Land-reforms, is the Key to Agricultural Revolution in India" on 8th February, 1968. Along with the students and the persons having academic interest in the subject, actual tillers of the land of Padra Taluka were also invited. Professor M. B. Desai, Faculty of Arts, Baroda, Shri Sunder from Gujarat State Fertilizer Co., Shri Jagdishbhai Amin, leading member of the Agricultural Co-operative Movement of Baroda District and Shri M. C. Patel, Lecturer in Economics, Padra College participated in the symposium.

### 7. Co-curricular Activities

#### (1) Educational Tours:

(i) Students of Archaeology and Ancient Indian Culture Group arranged a trip to Pavagadh in October 1967, with a view to visit an ancient historical site.

(ii) The Institution organised an educational tour to important historical places and cultural sites like Ajanta, Ellora, Hyderabad, Poona, Bombay etc. in December, 1967.

#### (2) Debates:

Two debates were arranged during the year on the following subjects:-

(i) "Love marriage is better than arranged marriage".

(ii) "Ravan as the greatest character of Ramayana".

#### (3) Societies:

The following Societies functioned during the year:

(i) Literary Society (membership for English, Gujarati and Hindi Group, (ii) Economics Association, (iii) Political Science Forum and (iv) Ancient Indian Culture Society.

#### (4) Sports:

Arrangement for outdoor and indoor games were made by the College Students, Association during the year. Annual tournaments were held in Table Tennis, Volley-Ball, Carrom and Cricket.

#### (5) Social:

(i) The Cultural Committee arranged a variety entertainment programme on the 15th August, 1967.

(ii) The students presented 'Garba' and 'Drama' in the entertainment programme during the University Week Celebrations.

(iii) The College Annual Day was celebrated with a variety entertainment programme on 9th February, 1968 under the presidentship of Shri Manibhai Kasibhai Patel, Dr. T. V. Patel, Dean of the Faculty of Medicine was the Chief Guest at the concluding function on 10th February, 1968.

### 8. Other Important Events

(1) The students and the teachers went round the town and collected Rs. 375/- for the Koyana Earthquake Relief Fund.

(2) The following persons visited the Institution and addressed the students during the year:

Name	Date	Subject/Topics
(i) Dr. B. G. Desai, President, M. S. University Union, Baroda	19-8-1967	Students' roll in the University life
(ii) Dr. R. N. Mehta Professor and Head, Department of Archaeology, M. S. University of Baroda	7-9-1967	Inaugural address—The Ancient India Cultural Society

	<i>Name</i>	<i>Date</i>	<i>Subject/Topics</i>
(iii)	Shri G. R. Dave, Ex-Professor of Chemistry, Gujarat College, Ahmedabad	13-9-1967	Accidents that led to discoveries
(iv)	Dr. B. J. Sandesara, Director, Oriental Institute, M. S. University of Baroda	28-9-1967	Inaugural address—Literary Society
(v)	Shri Bhalchandra Trivedi	26-10-1967	On his visit to Russia
(vi)	Dr. V. R. Joshi, Post-graduate Department of Commerce, Sardar Patel University, Vallabh-Vidyanagar	12-12-1967	Recent foods, crises and its solution
(vii)	Shri R. D. Pandya, Faculty of Commerce, M. S. University of Baroda	14-12-1967	Nationalization of Commercial Banks—a Controversial problem
(viii)	Professor K. S. Desai, Faculty of Arts, M. S. University of Baroda	21-12-1967	Problem of National Integration in India

## CHAPTER XXIV—POLYTECHNIC

## 1. Courses of Study

The Polytechnic offers three-year Courses leading to the Diplomas in Civil, Electrical and Mechanical Engineering.

## 2. Number of Students

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

	<i>Men</i>	<i>Women</i>	<i>Total</i>
<i>First Year Diploma</i>			
	199	2	201
Civil Engineering	149	2	151
Mechanical Engineering	94	—	94
Electrical Engineering			
<b>Total</b>	<b>442</b>	<b>4</b>	<b>446</b>
<i>Second Year Diploma</i>			
	97	1	98
Civil Engineering	186	2	188
Mechanical Engineering	108	2	110
Electrical Engineering			
<b>Total</b>	<b>391</b>	<b>5</b>	<b>396</b>
<i>Final Year (Incl. Suppl.)</i>			
	82	2	84
Civil Engineering	259	1	260
Mechanical Engineering	206	1	207
Electrical Engineering			
<b>Total</b>	<b>547</b>	<b>4</b>	<b>551</b>
<b>Grand Total</b>	<b>1380</b>	<b>13</b>	<b>1393</b>

## 3. Staff

During the year under report the staff of the Polytechnic consisted of 1 Principal, 4 Readers, 24 Lecturers, 31 Senior Instructors, 26 Junior Instructors, 7 Assistant Lecturers, 68 Class III and 48 Class IV servants.

## 4. Library

*Acquisition Notes:*(1) *Books:*

The recurring grant of Rs. 15,000/- was fully utilised. The following statement gives the stock of the Polytechnic Library during the year:

	<i>Number of Books and Bound Periodicals</i>	<i>Total value in Rs.</i>
Number at the beginning of the year	9,592	1,43,803-44
Number added during the year	923	14,999-87
Number withdrawn from the record	20	192-75
Number remaining at the end of the year	10,495	1,58,610-56

(2) *Periodicals:*

The total number of periodicals subscribed to now stands at 68. The total amount spent for the subscription of periodicals is Rs. 3,076-31 and for binding is Rs. 1,184/-.

Facilities to accommodate 100 readers at a time were provided in the reading room by adding new furniture in the Library. Reading facilities were also provided for the teachers in the stack area. The statistics for the use of the Library are given below:

- |  |     |
|--|-----|
| (1) Daily average number of readers making use of the Library            | 288 |
| (2) Daily average number of books issued to the readers for home reading | 66  |

5. **Laboratories, Workshop, etc.**

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

6. **Literary, Cultural and other Activities**

The students formed their association during the year and 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 took keen interest in the various activities of students.

The Polytechnic Day was celebrated on 22nd December, 1967. Shri S. T. Raja, Chairman, Gujarat Electricity Board, Baroda, was the chief guest for the occasion.

7. **Co-Curricular Activities**

(1) *Excursions and Tours:*

The final year students of Civil Engineering classes accompanied by teachers went on an educational study tour to Matheran and Poona for Project work; the students of Mechanical and Electrical Engineering went on an educational tour to South India and visited places of interest.

(2) *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. Nine film shows were arranged to supplement class room teaching to promote the general knowledge of students.

8. **Extended Diploma Courses:**

(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.

(2) The students of the Extended Diploma Courses were also taken on short study and educational tours to Dhuwaran and Vallabh Vidyanagar.

CHAPTER XXV—SHRIMATI HANSA MEHTA LIBRARY

1. Acquisition Notes

(1) Books:

The University Grants Commission approved a grant of Rs. 2 lakhs for purchase of books and journals in the Fourth Five Year Plan, out of which Rs. 1 lakh is sanctioned as first priority to be utilized in the beginning. This amount is in addition to the basic grant of Rs. 2 lakhs already sanctioned in the year 1966, thus making the total amount of Rs. 4 lakhs for the Fourth Five Year Plan. The Commission also approved First Priority grant of Rs. 2,69,500 for purchase of books and journals for various Departments in Humanities and Sciences during the Fourth Five Year Plan.

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 Encyclopedia of Philosophy ed. by P. Edwards. 1967. 8 Vols; The Encyclopedia of Arts ed. by H. Read. 1966; A Dictionary of the Flowering Plants and Ferns by J. C. Willis 7th ed. 1966; Major Indian Export Markets; The Random House Dictionary of the English Language, ed. by Jess Stein. 1966; Map Collectors' Circle, Nos. 1-32, 1963-1966; The Criterion, 1922-1939, ed. by T. S. Eliot, 1967. 18 Vols; The New Illustrated Child Care Encyclopedia for the Home ed. by R. E. Rothenberg, 1966. 12 Vols.; Flora of Ahmedabad by B. S. Vaidya; A union List of learned American Serials in Indian Libraries, comp. by Indian Council for Library Development, Delhi; Geology of the Himalayas by A Gansser; India. Ministry of Law: General Statutory Rules and Orders, 1960-1965, 13 Vols.

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

Institution	Number of Books
Shrimati Hansa Mehta Library (which includes the books for the Faculties of Arts, Science, Education and Psychology, Commerce, Law, Home Science and the Department of Museology)	3,769
Department of General Education and Preparatory Unit	148
Faculty of Technology and Engineering	2,723
Faculty of Fine Arts	311
Chetan Balwadi	120
Faculty of Social Work	380
College of Indian Music, Dance and Dramatics	197
Oriental Institute (Printed Section)	945

Institution	Number of Books
Polytechnic	923
Sanskrit Mahavidyalaya	48
Centre of Advanced Study in Education	492
Baroda Michigan Project	11
M. K. Amin Arts and Science College and College of Commerce, Padra	1,202

Total 11,269

Out of these books 2,286 were received as gift.

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

	Books	Bound Vols. of periodicals	Pamph-lets	Manu-script	Maps, Charts, etc.	Total value in Rs.
Number at the beginning of the year	2,23,306	23,543	12,650	248	723	33,19,847-64
Number added during the year	3,769	2,105	800	—	14	2,20,205-93
Number with-drawn from the records	189	—	200	—	—	1,656-27
Number remain-ing at the end of the year	2,26,886	25,648	13,250	248	737	35,38,397-30

(2) Periodicals:

The total number of periodicals and scholarly journals subscribed to during the year is 910. During the year 2105 volumes of bound periodicals were added to the stock.

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	3,214
(2) New accessions to Faculty Libraries	8,055
Total	11,269
(3) Bound periodicals catalogued	2,105

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

	For University Library	For Faculty Libraries	Total
(1) Cards typed	8,035	40,275	48,310
(2) Cards filed in the catalogue	8,034	40,275	48,310

### 3. Circulation of Books etc.

As usual the working hours of the library for the whole academic year *i.e.* from April, 1967 to March, 1968 (except in 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, 1967 the Central Hall Reading Room of the Baroda College building was kept open for the use of Preparatory and First Year Students in Arts, Commerce, Science etc. This reading room accommodates 225 readers and contains all the prescribed and recommended books for the Preparatory and First Year Students. Some periodicals of general interest were also displayed in the reading room. It remained open throughout the academic year and also on Sundays and Holidays in the months of January, February and March 1968.

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

(1) Post-graduate students	1,240
(2) Undergraduate students	6,390
(3) Research Scholars	110
(4) University Teachers	715
(5) Others	500

Total 8,955

The statistics 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:	1,307
(i) Average number of books issued per day for home reading from general collection	342
(ii) Average number of books issued per day from Curricular Section	322
(iii) Average number of books issued per day from Central Hall	272
(iv) Average number of books issued per day for reference	371
(4) Average number of books issued per reader in the year	43

### 4. Reference Section

- (1) The Reference Section arranged an exhibition of selected books on "Literature" and "Painting" in the first week of February, 1968. Besides this, weekly exhibitions of selected new books were also organised in the University Library.
- (2) The Section compiled lists of books on (i) Man in Society, (ii) Urban Welfare and Community Development, (iii) Rural Welfare and Community Development, (iv) Child Welfare and Family, and (v) Juvenile Delinquency.
- (3) The Section published (i) The 4th Descriptive List of Ph.D. Theses received in the Library during the year 1967-68 and (ii) The First Supplement to the Catalogue of Periodicals 1962-1966.

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, one Head Proof-reader, one Senior Proof-reader, one Junior Proof-reader, a Senior Clerk (Accounts cum Storekeeper) 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.

3. Printing Activities

The University Press works for the University publications, Magazines, Stationery, Printed forms etc. purely as a Service Department from April 1967. During the year 1107 plus 197 examination papers were printed under conditions of secrecy for the University Examinations. The Press also printed Syndicate and Senate Proceedings, Annual Report, Details of Establishment, Annual Accounts, Budget Estimates, Pamphlets, Certificates, General Forms, Lists, Prospectus, Questionnaires, Magazines, Souvenirs etc. of the Faculties and Institutions.

(1) The following books were printed in the University Press and published during the year:

Name of the Book	Publishers
( i ) Handbook Part I ( 1965-66 and 1966-67 )	M. S. University of Baroda
( ii ) Eighteenth Annual Report 1966-67	M. S. University of Baroda
( iii ) Handbook Part II 1967	M. S. University of Baroda
( iv ) Handbook Part III 1966 ( Arts )	M. S. University of Baroda
( v ) Handbook Part IV 1967	M. S. University of Baroda
( vi ) Handbook Part III Vol. I ( T.E. )	M. S. University of Baroda
( vii ) Handbook Part III Vol. II ( T.E. )	M. S. University of Baroda
( viii ) Handbook Part III Vol. III ( T.E. )	M. S. University of Baroda
( ix ) Mahakavi Bihari Ke Ajnat Kavita	Faculty of Arts
( x ) Growth and Development of Maharaja Sayajirao University of Baroda	Faculty of Education and Psychology
( xi ) Curriculum Development in Secondary Schools	Centre of Advanced Study in Education

Name of the Book	Publishers
( xii ) Humanities Lit. 3—Epic	General Education Centre
( xiii ) Annotated Bibliography Research related to Home Science in India	Faculty of Home Science
( xiv ) Survey of 45 Pre-School Institutions in the City of Baroda	Faculty of Home Science
( xv ) Apabhramsa Kavya Trayi ( G.O.S. 37 )	Oriental Institute
( xvi ) Jayakhya Samhita ( G.O.S. 54 )	Oriental Institute
( xvii ) Bhavisayattakaha ( G.O.S. 20 )	Oriental Institute
( xviii ) Bharat Ratna ( Sayaji Sahitya Mala No. 343 )	Oriental Institute
( xix ) Mansollasa Vol. I ( G.O.S. 28 )	Oriental Institute
( xx ) Guhyasamaja Tantra ( G.O.S. 53 )	Oriental Institute
( xxi ) Bahucharaji ( Bal Jnana Mala No. 201 )	Oriental Institute
( xxii ) Ramayana Critical Edition, Vol. VI Yuddhakanda Fascicule—I	Ramayan Department
( xxiii ) Sanskrit Sahitya Samgraha Part I	Sheth U.P.A.R. Unit
( xxiv ) Museums To-day	Department of Museology
( xxv ) Swayamsanchalit Yantra Salo	TAIRO

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

(i) The Journal of Maharaja Sayajirao University of Baroda, (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), (viii) Studies in Museology (Yearly)

4. University Stationery Unit

During the year, Stationery worth Rs. 1,40,150 was purchased and Stationery worth Rs. 1,53,285 was distributed.

5. University Publications Sales Unit

The total sale of books during the year was Rs. 69,444/-.

## CHAPTER XXVII—THE MAHARAJA SAYAJIRAO UNIVERSITY UNION

### 1. The Executive Committee

During the academic year 1967-68, Dr. B. G. Desai continued to be the President of the Union and Professor R. C. Patel was appointed as Treasurer vice Shri R. D. Pandya.

The elections for the Vice-President, General Secretary and Faculty Representatives were held on 15th July, 1968. Shri Ramesh P. Sippy was elected as Vice-President and Shri C. N. Thakkar as General Secretary. There were 29 representatives of the Faculties and Institutions.

The first introductory meeting of the Executive Committee was held on 22nd July, 1967. The second meeting was held on 31st July, 1967 for allocation of various portfolios. This year three new portfolios viz. Social Service Committee, Public Relations and Co-operative Stores were introduced.

The following members were nominated by the Executive Committee on Committees of the University as shown below:

- |  |                            |
|--|----------------------------|
| (1) University Board of Sports             | ( i ) Shri R. P. Sippy     |
|  | ( ii ) Shri N. H. Dodia    |
| (2) University Students Aid Fund Committee | ( i ) Shri C. N. Thakkar   |
|  | ( ii ) Shri V. R. Kulkarni |
|  | ( iii ) Shri J. N. Raval   |
| (3) University Students' Welfare Board     | ( i ) Shri R. P. Sippy     |
|  | ( ii ) Shri C. N. Thakkar  |
|  | ( iii ) Shri A. S. Navale  |

### 2. Activities of the Sub-Committees

Sub-Committees were formed for carrying out various activities keeping in view the aims and objects laid down in the Constitution of the Union.

#### (1) *Emester Editorial Board:*

It continued to publish the fortnightly Students' Bulletin 'Emester' regularly. The Emester week was celebrated in November, 1967. The celebration included a talk on 'India To-day' by Shri S. T. Raja, Chairman of the Gujarat Electricity Board, a symposium on 'Student Journalism Abroad' in which the foreign students of this University actively participated and a debate on 'Freedom of Press is an impossibility'.

#### (2) *Debating Society:*

The Society arranged a number of debates on interesting subjects during the year.

#### (3) *Discussion Group:*

The Group arranged the discussions on the following two subjects:—

- ( i ) Women can serve the nation better by going back to the kitchen.
- ( ii ) Is our modern society the pinnacle of Indian Civilisation?

#### (4) *Badminton Committee:*

The Badminton activities went on vigorously. The rush of students for this major game was so heavy as to make evident the urgent need for one more court. The Committee sent teams to represent the University in the open Gujarat Badminton Championship and the Inter-University Badminton Tournament held at Ahmedabad and Bombay respectively.

#### (5) *Table Tennis Committee:*

There was a good response from students for this game. The Committee sent teams to represent the University in the Table Tennis Championships at Ahmedabad and Indore.

#### (6) *Hiking Club:*

The Club arranged a cycling trip to Pavagadh on 9th September, 1967 for the selection of students for the basic training camp at Mount Abu. The trip was followed by an over-night tracking to Vasad. The Hiking Club Camp was held at Mount Abu in December, 1967 in which 30 students participated. Shri Hemant Patel, a student of the Faculty of Technology and Engineering of this University, was one of the two students selected from all over India for Advanced ICE Training Camp at the Himalayan Mountaineering Institute, Darjeeling.

#### (7) *Public Relation Committee:*

The Committee arranged a talk on "The Gown and The Town" by Shri Coelho, Commissioner of the Baroda Municipal Corporation and a speech on 'The Comparative Study of the Union Executive and the Faculty Executive' by Shri R. D. Pandya, the Ex-Treasurer of the Union.

#### (8) *Entertainment Committee:*

The Committee arranged an entertainment programme on 15th August, 1967.

#### (9) *Film Club:*

The club arranged only one film show during the year.

#### (10) *Co-operative Store Committee:*

The Committee started during the year the spade work of organising a Co-operative store for the benefit of students and staff of the University.

#### (11) *Social Service Committee:*

The Committee took 30 students of the University to Kumeta and constructed a road of one mile.

### 3. Other Events

#### (1) General Body Meeting:

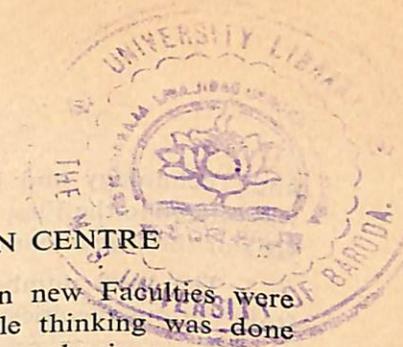
A meeting of the General Body was held on 24th August, 1967 to approve the budget of the Union and also to discuss the problems of the students. The response from students was not an encouraging one.

#### (2) University Week:

The University week was celebrated between 18th and 23rd January, 1968. Four student-shows were held with competitions for Drama, Garba Group Dance, Classical Vocal and Instrumental Music, Light Vocal Music and Classical Dance.

#### (3) University Fun Fair:

A Fun Fair was organised on 27th and 28th January, 1968 for collecting funds for the victims of the earthquake at Koyana. Out of the proceeds of Rs. 6,253-50, Rs. 4,045-10 were earmarked for the Koyana Relief Fund.



## 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 make provision for specialised studies in various fields of knowledge, it should also provide for the basic requirement that every student, no matter what his speciality, has some understanding of the physical world in which he lives, an appreciation of the complex social relationships by which he is surrounded and a grasp of human values which can be developed through contact with Art, Literature and the Humanities. In other words, it was necessary to find a place for the elements of liberal education alongside highly specialised studies.

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

### 2. Organisation

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

### 3. Building and Equipment

Classes meet in the General Education Centre, constructed and equipped with the Ford Foundation Grant of \$ 4,30,000. The Auditorium has been completed and is in use. The Language Laboratory and the Music Room are equipped with furniture and instruments.

### 4. Students under the programme

The General Education programme was organised this year for the Faculties of Arts, Commerce, Science (including Pre-Medical), Home Science, Fine Arts

and Technology and Engineering. The programme in each of these Faculties was offered to the First and Second Year of the Three Year Degree Course, the final year of the degree course being entirely devoted to the optional or special studies.

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

Sr. No.	Faculty and Class	Total number of students
(1)	Faculty of Arts:	559
	F.Y.B.A.	442
	S.Y.B.A.	
(2)	Faculty of Science:	124
	Pre-Medical	275
	F.Y.B.Sc.	279
	S.Y.B.Sc.	
(3)	Faculty of Commerce:	635
	F.Y.B.Com.	429
	S.Y.B.Com.	
(4)	Faculty of Technology and Engineering:	566
	F.Y. Engineering	
(5)	Faculty of Fine Arts (including College of Indian Music, Dance and Dramatics):	45
	Second Year	46
	Third Year	
(6)	Faculty of Home Science:	114
	Second Year	133
	Third Year	
Total		3646

This does not include about 2500 students of the Pre-University Arts, Science and Commerce classes 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 include Literature and Art Appreciation)
- (2) Story of Human Civilization
- (3) On Values of Life
- (4) Social, Political and Economic Problems of India
- (5) Science and its Impact on Life

These courses were distributed over two years to 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 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 General Education and the Pre-University classes, but serve as liaison and 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. The Library at the General Education Centre is specially used by the students when they come to the Centre for classes. Every student has to spend at least four hours per month in the library reading for General Education.

##### 8. Interest in General Education

Students' interest is certainly on the increase. The University examination in General Education has been major factor at work. But both attendance and performance have been much better even in those courses where there was no examination at all. For example, quite a large number of students participated in the Art Studio Programme and their interest in Clay-Work or Painting proves the success of the General Education programme in this University.

Not only has the attendance in classes been better than last year, but a large number of students have been making use of the small library at the General Education Centre, and writing out the given assignments: F.Y. Arts and F.Y. Commerce students submitted their essays in large number. F.Y. Science and Pre-Medical students took the Terminal Examination also and complained that these marks were not counted towards the final assessment.

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

##### 9. Other Events

(1) General Education Programme at a higher level was extended to the B.Sc. (Electronics) students at the Suggestion of the University Grants Commission.

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

(3) Shri K. S. Yagnik, Co-ordinator, General Education Department, went to U.S.A. on an assignment with the Department of Education of the U.S. Government for the purpose of developing Asian Studies in Schools and Colleges of the U.S.A. and the State of Colorado in particular.

(4) Guidance regarding the General Education Programme and its implementation was provided to the Dean, Faculty of Social Sciences of the Kashi Vidya Pith, Varanasi, and to the Co-ordinator in General Education of the Punjab University, Chandigarh.

## CHAPTER XXIX—STUDENTS' WELFARE ACTIVITIES

### 1. Halls of Residence

The University, being residential, makes constant efforts to increase and improve residential accommodation for its students. At its start in the year 1949 the University had accommodation for 200 men students in rented buildings and another 200 men students in University-owned buildings. There was no hostel accommodation for women students. At the end of 1967-68 there are 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 integration amongst the students and towards awakening their awareness and interest 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 difficulty for searching accommodation in private houses in the city where the rents are exorbitant and facilities are comparatively too few, the University has had to continue the procedure of admitting 3 students in most of the rooms this year also. Even then the demand for Hostel accommodation is so great that the construction of new hostels for men students is of the utmost necessity.

At the end of the year under report 2059 men students, 757 women students were in residence in different Halls as against 2020 men students and 769 women students at the end of the previous year. A statement showing the break up of these students Hallwise and Institutionwise is given in Appendix XI.

Administration of the Halls was carried on with 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.

Central Committee for the Halls was formed with the Secretary, Wardens' Committee as its President. The following three Sub-Committees were also formed to carry out Cultural and Social activities in each of the Halls.

- (1) Foods Committee
- (2) Sports Committee
- (3) Cultural Committee

The Sports Committee arranged the Inter-Hostel Competitions in different games. 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 the Medical Officer, one Part-time Lady Doctor, one Nurse, one Compounder-cum-clerk, one Laboratory-cum X-ray Technician, one Sanitary Inspector, three Hamal-cum-Sweepers, two Physicians and one lady Gynaecologist were appointed as Honorary staff members from 1st August, 1967.

The Health Centre provides preventive and curative services for the students, members of the staff and their families. The new entrants were given a medical check up by the Medical Inspection Board in S.S.G. Hospital. Out of total 3761 students who were scheduled for medical examination, 3073 (81.70%) reported for medical check up. Out of 3073 students who were examined by Medical Inspection Board, 1,378 students (44.45%) were advised follow-up treatment to be taken either from the Health Centre, specialists of the S.S.G. Hospital, or the family doctors for various disorders viz. skin, eye, ear, nose, throat, heart etc. The information regarding the follow-up treatment has been available in 651 (47.65%) students. On miniature chest X-ray examination of the students during the medical check up six students were found to be suffering from Pulmonary Tuberculosis, three of them had pulmonary tuberculosis in the healed stage, whereas the remaining three had active disease. The three active cases were followed up at the Health Centre.

Out of 112 mess servants examined, 31 servants showed evidence of intestinal infection with parasites and were advised treatment. Fluoroscopic examination of the chest did not reveal any abnormality in any case.

During the year, out of the total attendance of 19556 patients at the Health Centre Clinic, 12413 (63.58%) were from the students and 7113 (36.42%) were from the members of the staff and their families. The average daily attendance has been 53.4 during the year. The Health Centre also remains open all hours for emergency and the doctor on duty attends in cases of emergency in the Halls of residence and the residence of the staff members. The total number of cases attended during the year has been 265, the average per day for such emergency cases has been 0.71.

The total number of laboratory investigations were 1176 which included 302 stool, 282 urine and 567 Blood and 18 other miscellaneous (smear etc.).

examinations. The total number of fluoroscopic examinations was 293 and X-ray films 72.

#### Publication

Name of the Author	Title	Name of the Journal and month of publication
Dr. S. H. Shah and Dr. M. H. Tailor	Studies on Tuberculin Sensitivity in a Paediatric Clinic	Paediatric Clinics of India, Vol 3, No. 1, pp. 27-35, 1968.

### 3. Physical Education Department

#### (1) Staff :

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

#### (2) Physical Training :

Physical Training was imparted to 1045 Women students and 491 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 Physical Instructors and the Officers-in-charge of respective games.

#### (4) Swimming and Boating :

In Swimming 622 members and in Boating 114 members were imparted training by the Swimming Trainers and the Boating Trainer respectively. 1382 paid guests also took advantage of the Swimming Pool. Annual Swimming and Boating Competitions were also held.

#### (5) Tournaments and Competitions :

Cricket, Hockey, Football and Badminton Teams participated in League and knock-out Tournaments held in Baroda. The Badminton Teams (Men & Women), Basketball Teams (Men & Women), and Volleyball Team participated in the Gujarat State Championships.

Cricket Team won the M. C. Ghia Trophy by defeating Bank of Baroda in the finals.

#### (6) Training of University Teams :

The Training of various University Teams was organised and conducted by the Physical Instructors and the Officers-in-charge of respective games. Coaches were also engaged to give special training to Cricket, Hockey and Kho-Kho Teams (Men & Women).

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

University Cricket, Hockey (Men & Women), Football, Volleyball, Basketball (Men & Women), Kho-Kho (Men & Women), Tennis, Badminton (Men & Women), Table-Tennis (Men & Women), Swimming and Shooting Teams were sent to participate in the Inter-University Tournaments.

Cricket team defeated Vikram, Bombay, and Shivaji Universities but lost to Indore University in the West Zone Finals. Shri D. N. Mahida (Captain) scored centuries against Vikram and Shivaji Universities. Shri S. I. Dudha also scored a century against Vikram University. The bowling performance of Sarvashri N. Y. Satham, P. V. Cholkar and S. I. Dudha was very good.

Kho-Kho Team (Men) and Kho-Kho Team (Women) who were winners and Runners-up of the last year's tournament respectively lost to Nagpur University in the Semi-Finals.

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

Tournament	Winners	Runners-up
(i) Cricket	Faculty of Commerce	Polytechnic
(ii) Tennis	Faculty of Medicine	Faculty of Technology and Engineering
(iii) Badminton	Faculty of Arts	Faculty of Technology and Engineering
(iv) Hockey	Faculty of Commerce	Polytechnic

#### (9) Individual Championship :

Activity	Winners	Faculty/Institution
(i) Badminton	R. R. Patel	Faculty of Arts
(ii) Tennis	Ajit Menon	Faculty of Arts
(iii) Table-Tennis	Toshikayu Arai	Faculty of Arts
(iv) Athletics	U. J. Patel	Faculty of Commerce
(v) Swimming	V. B. Solanki	Faculty of Commerce
(vi) Boating	R. K. Phadke	Polytechnic

#### (10) University Annual Sports :

As a part of the 17th University Youth Festival, Annual Sports were held on the Union Pavilion Ground in December 1967. 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 Ranji Trophy Cricket Tournament.

- (ii) Ten members of the University Kho-Kho Team played for the Gujarat State Kho-Kho Association in the All India Kho Kho Championships.
- (iii) Two members of the University Hockey Team and two members of the University Basketball Team played for the Gujarat State in National Hockey Championships.
- (iv) Four members of the University Cricket Team played for West Zone in the Universities Inter-zonal-Vizy Trophy Cricket Tournament. Shri D. N. Mahida was the Skipper of the West Zone Team.

#### 4. National Cadet Corps

During the year under report the following NCC Units carried out their multifarious activities :

- (1) 3 Gujarat Battalion N.C.C.
- (2) 12 Gujarat Battalion N.C.C.
- (3) 19 Gujarat Battalion N.C.C.
- (4) 5 Gujarat Girls Battalion N.C.C.
- (5) 1 Gujarat Air Squadron N.C.C.
- (6) 3 Gujarat Technical Air Squadron N.C.C.
- (7) 2 Gujarat Medical Company N.C.C.
- (8) 2 Gujarat Engineers Regiment N.C.C.
- (9) 2 Gujarat Naval Unit N.C.C.

The allotment of N.C.C. Officers and Cadets enrolled strength consisted as given below :

Name of N.C.C. Unit	N.C.C. Officers	N.C.C. Cadets
(1) 3 Gujarat Battalion N.C.C.	8	940
(2) 12 Gujarat Battalion N.C.C.	9	1,111
(3) 19 Gujarat Battalion N.C.C.	5	1,069
(4) 5 Gujarat Girls Battalion N.C.C.	6	600
(5) 1 Gujarat Air Squadron N.C.C.	2	144
(6) 3 Gujarat Technical Air Squadron N.C.C.	1	127
(7) 2 Gujarat Medical Company N.C.C.	1	233
(8) 2 Gujarat Engineers Regiment N.C.C.	4	389
(9) 2 Gujarat Naval Unit N.C.C.	2	141
<b>Total :</b>	<b>38</b>	<b>4,754</b>

Training of all the N.C.C. Units started in June 1967 and terminated in February 1968.

The Annual Training Camps were held by the N.C.C. Units as detailed below:

N.C.C. Units	Camp	N.C.C. Officers	N.C.C. Cadets
(1) 3 Gujarat Battalion N.C.C.	Combined Annual Training Camp Rajpipla (24-12-1967 to 2-1-1968)	10	696
(2) 12 Gujarat Battalion N.C.C.	Combined Annual Training Camp Rajpipla (24-12-1967 to 2-1-1968)	2	119
	Annual Training Camp (WT) Jamnagar (21-10-1967 to 30-10-1967)	14	329
(3) 19 Gujarat Battalion N.C.C.	Combined Annual Training Camp Rajpipla (24-12-1967 to 2-1-1968)	3	167
(4) 5 Gujarat Girls Battalion N.C.C.	Annual Training Camp Rajpipla (24-12-1967 to 2-1-1968)	5	236
(5) 1 Gujarat Air Squadron N.C.C.	INS NAUSAINIK Bangalore	—	10
(6) 2 Gujarat Naval Unit N.C.C.	Annual Training Camp Bhavnagar (15-10-1967 to 24-10-1967)	2	18

U O M. K. Khan was adjudged as 2nd Best Shot and awarded a Cup during WT Camp at Jamnagar.

Technical Units (Engineers and Medical and 3 Gujarat Technical Air) participated with 3 Gujarat Battalion N.C.C. Rajpipla from 24-12-1967 to 2-1-1968.

(164 of Junior Division)

#### CAMPS, COURSES:

The following numbers of cadets attended various camps courses

- (1) 3 Gujarat Battalion N.C.C.
  - (i) 6 Cadets attended Regular Army Attachment at 9 Sikh L I Hyderabad.
  - (ii) 1 Cadet attended Republic Day Parade at Delhi on 26th January, 1968.

- (2) 12 Gujarat Battalion N.C.C. (i) 10 Cadets attended the Regular Army attachment at Hyderabad.  
(ii) 1 Cadet attended Rock climbing Training Camp at Manali.  
(iii) 1 Cadet attended Republic Day Parade at Delhi on 26th January, 1968.
- (3) 19 Gujarat Battalion N.C.C. (i) 1 Cadet attended Advanced Leadership courses at Uttarkashi from 14-5-1967 to 3rd June, 1967.  
(ii) 1 N.C.C. Officer and 10 Cadets attended attachment to Regular Army Unit at Hyderabad from 15-5-1967 to 11-6-1967.  
(iii) 1 Cadet (Junior Division) attended Republic Day Parade at Delhi on 26th January, 1968.
- (4) 5 Gujarat Girls Battalion N.C.C. (i) 15 Cadets attended All India Summer Training Camp at Poona from 31-5-1967.  
(ii) 1 N.C.C. Officer and 2 Cadets attended Shooting Competition Annual Training Camp at Atul, Bulsar from 21-10-1967 to 30-10-1967, won the Shooting Trophy.
- (5) 1 Gujarat Air Squadron N.C.C. (i) 2 Cadets attended the All India Summer Training Camp at Lonavala.  
(ii) 2 Cadets attended Advanced Leadership course at Purandhar.  
(iii) 1 Cadet attended Advance Leadership course at Cochin.  
(iv) 1 Cadet attended Annual Training Camp at Bangalore.
- (6) 2 Gujarat Medical Company N.C.C. (i) 1 Cadet attended All India Summer Training Camp at Allandideo from 1-5-1967 to 14-5-1967.
- (7) 2 Gujarat Engineers Regiment N.C.C. (i) 1 Cadet attended Advance Leadership course at Purandhar from 15-5-1967 to 4-6-1967.  
(ii) 1 Cadet attached to Regular Army Unit from 16-5-1967 to 15-6-1967.
- (8) 2 Gujarat Naval Unit N.C.C. (i) 2 Cadets attended Republic Day Parade at Delhi on 26th January, 1968.

'B', 'C' and G I and G II Certificate Examinations were held and results were as under:

	'B' Certificate		'C' Certificate	
	Appeared	Passed	Appeared	Passed
(1) 3 Gujarat Battalion N.C.C.	25	20	4	4
(2) 12 Gujarat Battalion N.C.C.	16	14	1	1
(3) 19 Gujarat Battalion N.C.C.	11	7	4	3
(4) 2 Gujarat Naval Unit N.C.C.	9	2	—	—
(5) 2 Gujarat Engineers Regiment N.C.C.	26	16	—	—
(6) 3 Gujarat Technical Air Squadron N.C.C.	15	12	1	1
	102	71	10	9
	'G I' Certificate		'G II' Certificate	
(1) 5 Gujarat Girls Battalion N.C.C.	4	4	4	4

The N.C.C. Units held their Annual Day function as under:

	Date	Chief Guest
(1) 3 Gujarat Battalion N.C.C.	9-2-1968	Dean, Faculty of Science
(2) 12 Gujarat Battalion N.C.C.	14-2-1968	Principal, Polytechnic, Baroda
(3) 19 Gujarat Battalion N.C.C.	12-2-1968	—
(4) 5 Gujarat Girls Battalion N.C.C.	10-2-1968	Her Highness Maharani Matu-shree Shanta Devi Gaekwad graced the function.
(5) 2 Gujarat Engineers N.C.C.	13-2-1968	Dean, Faculty of Technology and Engineering.
(6) 2 Gujarat Naval Unit N.C.C.	12-2-1968	Dean, Faculty of Home Science

#### N.C.C. Day Celebration:

N.C.C. Day was celebrated on 3rd December, 1967. Parents of the Cadets were also invited to this performance. The programme consisted of Drill, Bayonet Fighting, Flag Communication, Bridge Construction, Casualty Evacuation, Platoon Attack, Mock Battles etc. The programme ended with prize distribution by the Chief Guest.

#### 5. Students' Common Room

There are three Common Rooms for University Students. Two rooms are on the campus—one for men students and the other for women students. The

third room generally known as Non-Resident Students' Centre is very near the Faculty of Technology and Engineering. The Women Students' Common Room and the Non-Resident Students' Centre were built with financial assistance from the University Grants Commission and the Government of Gujarat.

Cafeterias are attached to all the three Common Rooms. Facilities have been provided for indoor games such as Carrom, Draughts, Chess, Table Tennis, etc. and reading materials like daily newspapers, periodicals and a small collection of books. Committees consisting of the members of the teaching staff look after the upkeep and arrangements of the rooms. The rooms are also used for the meetings of Students' Associations, social functions, indoor games and tournaments.

### 6. Hobby Workshop

The M. S University Hobby Workshop provides instructions to the University students in (1) Carpentry, (2) Assembling electric and electronic appliances, (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 1967-68 is 198. They are distributed over the various hobbies as under:

Hobby	Number of students
(i) Carpentry	17
(ii) Assembling electrical and electronic appliances	41
(iii) Music	66
(iv) Clay-Modelling	4
(v) Photography	70
<b>Total :</b>	<b>198</b>

Appendix I  
Statement showing the number of students at the commencement of academic year 1967-68

Sr No.	Institutions	*Post-graduate Courses		Degree Courses		Diploma Courses		Total		Grand Total 1967-68	Grand Total 1966-67	Grand Total 1965-66
		Men	Women	Men	Women	Men	Women	Men	Women			
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Faculty of Arts	224	92	611	790	32	8	857	890	1717	1689	1407
2	Faculty of Science	286	71	638	225	—	—	924	296	1220	1175	995
3	Faculty of Education and Psychology	50	39	93	140	10	48	153	227	380	387	323
4	Faculty of Commerce	94	5	1248	162	+1	—	1343	167	1510	1293	1251
5	Faculty of Medicine	134	64	498	125	—	—	632	189	821	775	644
6	Faculty of Technology & Engineering	%104	2	2238	58	344	—	2686	60	2746	2492	2232
7	Faculty of Fine Arts	10	6	45	33	@94	@21	149	60	209	223	184
8	Faculty of Home Science	3	81	—	515	—	—	3	596	599	581	586
9	Faculty of Social Work	49	32	—	—	—	—	49	32	81	83	87
10	Faculty of Law	143	12	298	38	—	—	441	50	491	540	526
11	Preparatory Unit, Arts & Commerce	—	—	915	519	—	—	915	519	1434	1333	1024
12	Preparatory Unit, Science	—	—	976	156	—	—	976	156	1132	1032	864
13	Shri M. K. Amin Arts & Science College, and College of Commerce, Padra	—	—	336	38	—	—	336	38	374	195	121
14	College of Indian Music, Dance and Dramatics	6	3	17	29	—	—	23	32	55	45	42
15	Baroda Sanskrit Mahavidyalaya	8	—	10	—	21	4	39	4	43	50	49
16	Polytechnic	—	—	—	—	1380	13	1380	13	1393	1330	1294
<b>Total:</b>		1111	407	7913	2828	1882	94	10906	3329	14235	13223	11629

\* Includes Ph.D. and Master's Degree and Post-graduate Diploma students.

+ Excludes 4 Men students of S.Y.B.Com., 1 F.Y.B.Sc. and 1 F.Y.B.A. student permitted to join the undergraduate Diploma Course in Co-operation, simultaneously.

@ Includes 13 Post-Diploma men students and 1 woman student.

† Does not include 12 men and 20 women students who are non-collegiate and Government Scholars and Foreign Scholars.

% Includes 12 Government of India Technical Teachers Trainees.

Statement showing Non-University Students at the commencement  
of the year 1967-68

Institutions	Men	Women	Total 1967-68	Total 1966-67	Total 1965-66
<b>(A) Diploma Courses :</b>					
(1) College of Indian Music, Dance and Dramatics	223	295	518	472	477
(2) Extended Diploma Courses in Civil, Mechanical and Electrical Engineering	336	—	336	131	144
<b>(B) Certificate Courses :</b>					
(1) Faculty of Arts	384	56	440	361	196
(2) Faculty of Fine Arts	7	4	11	4	5
(3) Baroda Sanskrit Mahavidyalaya	48	5	53	38	35
<b>(C) S.S.C. Course :</b>					
(1) University Experimental School	249	195	444	442	431
<b>(D) Nursery Courses :</b>					
(1) Chetan Balwadi	51	38	89	83	89
(2) Kindergarten	14	12	26	21	15
<b>Total :</b>	<b>1312</b>	<b>605</b>	<b>1917</b>	<b>1552</b>	<b>1392</b>

UNIVERSITY GRANTS COMMISSION  
Statement showing the approved items and estimated expenditure of IV Plan development schemes of  
M. S. University of Baroda.

I—FACULTIES AND DEPARTMENTS

( Rupees in Thousands )

Faculty/Department	Staff			Equipment		Teaching Block/Lab.		Other Items including Scholarships Fellowships etc.		Remarks				
	Prof.	Reader	Lect.	Others	Total	Cost	UGC Share	Cost	UGC Share					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Arts	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Agricultural Economics	—	1	1	—	72	36	8	8	8	—	—	—	—	—
Archaeology	—	—	—	—	—	—	40	10	10	—	—	—	—	—
Economics	—	—	—	—	—	—	50*	5	5	—	—	—	—	—
English	—	—	—	—	—	—	25	8	8	—	—	—	—	—
German	—	1	—	—	43	22	—	—	—	—	—	—	—	—
History	—	—	—	—	—	—	8	—	—	—	—	—	—	—
Linguistics	—	—	—	—	—	—	3	5	5	—	—	—	—	—
Philosophy	—	—	—	—	—	—	3	—	—	—	—	—	—	—
Political Science	—	—	—	1	12	6	—	—	—	—	—	—	—	—

\* For back Journals

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Sociology								25							
Arts & Law Faculty Bldg.											800	534			
Library Science		1	1			72	36								
Commerce									1	1					
Accounts															
Banking & Business									1	1					
Finance															
Cooperation	1					60	30		1	1					
Law															
Law								50							
Education															
Education								5							
Education Admn.								5							
Psychology								3	5	5					
Psychological Counselling						128	64								
Fine Arts															
Fine Arts					1	12	6		35	35					
Music								2	5	5					
Dance								5							
Drama								2	5	5					
Science															
Biochemistry		2				86	86	25	175	175					
Botany		1				43	22	25	60	60	88	58			
Chemistry	1	1				103	52	50	100	100	105	70			
Geography								10	32	32	350	234			

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Geology								25	50	50					
Mathematics		2				86	43	50			94	94			
Microbiology	1	1	1			132	132	30	100	100	400	400			
Physics		1	2			101	50	50	100	100					
Statistics	1					60	30	10	80	80	140	94			
Zoology		1				43	22	30	50	50	105	70			
Home Science											200	200			
Workshop					2	14	7		20	20					
						Total UGC Share ( Col. 7 + 8 + 10 + 12 + 14 ) = 3793									
	4	12	5	4	1067	644	539	856	856	2328	1754				

1. U.G.C. share for scheme & Bldgs. continuing from III Plan Staff 456, Buildings 21 - 477.

2. Scheme already approved during IV Plan :

(a) Basic grant for equipment Departmentwise :

Physics 120, Chemistry 120, Biochemistry 80, Zoology 80, Mathematics & Statistics 20, Botany 80.  
Geography 40, Home Science 60, Geology 80—Total 680.

(b) Staff ( Home Science Deptt. ) 2P, 4R, 4L, 7 others = 400 @ 100 per annum.

(c) Library Books for Home Science Deptt. 175

(d) Equipment for Home Science Deptt. 100

N.B. :—The proposal for Valmiki Ramayana and Gaikwad Oriental Series is being considered separately.

II—GENERAL SCHEMES

( Rupees in thousands )

Item	Continuing Schemes (UGC Share)		Schemes already approved during Fourth Plan		New Schemes			Remarks
	2	3	4	5	6	7	8	
1 Central Library	—	—	—	300*	200*	200	—	
a. Building	—	—	—	—	—	—	—	
b. Staff	—	—	—	—	—	—	—	
c. Books	—	200	200	200	200	400	—	
d. Equipment	—	—	—	—	—	—	—	
2 Students' Hostel	144	—	—	800	600	544	—	
3 Students' Home/N.R.S.C.	—	—	—	—	—	—	—	
4 Teachers' Hostel	161	—	—	350	234	395	—	
5 Health Centre	2	—	—	—	—	2	—	
6 Staff quarters including Vice-Chancellor's Residence	140	—	—	663	442	582	—	
7 Other	—	574	354	—	—	354	—	
Total:	447	774	554	2113	1476	2477	—	

\* For providing 250 additional reading seats.

III—SUMMARY OF ALLOCATIONS ( UGC SHARE ) TO THE UNIVERSITY FOR THE IV PLAN

( Rupees in thousands )

Univer- sity	Com- mitted Expendi- ture on approved develop- ment	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	New Schemes			Total Grand (4 to 14) Total	
																		Posts	Library	Equipment		Deptt. Bldgs.
M. S. University of Baroda	924	1909	444	200	200	739	767	89	1220	534	400	676	—	5269	8102	—	—	—	—	—	—	—

A Statement showing the number of teaching staff of various faculties and institutions as on the 31st March, 1968

Faculty/Institution	Professors	Readers	Lecturers	Assistant Lecturers, Tutors, Demonstrators, Instructors	Honorary Part-time and Others	Total
Arts	8	14	46	21	4	93
Science	9	22	59	68	—	158
Education and Psychology	3	6	15	4	—	28
Commerce	—	9	13	—	4	26
Technology and Engineering	15	28	47	80	1	171
Fine Arts	3	5	19	2	2	31
Home Science	2	6	20	17	—	45
Social Work	1	2	6	2	1	12
Law	1	1	2	—	11	15
Oriental Institute	1	1	4	—	—	6
College of Indian Music, Dance and Dramatics	1	2	10	6	1	20
Baroda Sanskrit Mahavidyalaya	—	1	4	8	1	14
Polytechnic	—	5	24	64	—	93
Shri M. K. Amin Arts and Science College and College of Commerce, Padra	—	—	7	11	1	19
Total:	44	102	276	283	26	731

List of Students qualifying for the Ph.D. degree in the year 1967-68

Sr. No.	Name	Subject	Title of the Thesis
1.	Shri B. R. Subramanyam	Archaeology	Iron Age in India—Studies in Material Culture between 7th Century B.C. and 1st Century A.D.
2.	Shri R. D. Pathak	Hindi	संत कवि भवाकी जीवनी और उनकी कृतियों पर अध्ययन
3.	Shri K. C. Sharma	Hindi	भक्तिमाल और हिन्दी काव्य में उसकी परम्परा
4.	Shri J. A. Yajnik	Philosophy	Swaminarayan Sect—A Comparative Study
5.	Shri Daivender Kumar Mainigi	Biochemistry	Studies on Human Cervix Tissue
6.	Smt. Indira S. Jayangoudar	Botany	Hydrobiological Studies on Ajwa Reservoir and Nimeta Water Works at Baroda and Ecology and Seasonal Succession of Algae in the Oxidation Ponds of Ahmedabad
7.	Kum. D. Leela	Botany	Studies on Trigonella Foenum Graecum L.
8.	Shri Jaychandra Narasimhiah	Botany	The Ecophysiology of the Early Stages of Development of some Weeds
9.	Shri V. S. Salvi	Chemistry	Studies in Benzofuran Derivatives
10.	Shri K. L. Vasanth	Chemistry	Influence of Molecular Structure on Liquid Crystal-Line Properties and Phase Transitions in mixed Liquid Crystals
11.	Shri N. M. Vashi	Geology	Geology of the area around Pikholi, District Almora (U.P.) with special reference to its structure and metamorphism
12.	Shri K. Jacob Rajan	Physics	Study of Spectra of Diatomic Molecules (Halides of Zinc)

13.	Shri F. M. John	Zoology	Studies on some Metabolic and Neuro-endocrinological aspects of Bird Migration
14.	Shri A. K. Das	Zoology	The Purple Sunbird (Nectarinia asiatica-Latham)—A Study of its Life History
15.	Shri D. A. Chandra Bose	Zoology	Histophysiological Observations on Certain Bird and Bat Muscles
16.	Shri M. M. Joseph	Zoology	A Histophysiological Study of the red and white muscles of a Migratory (Hilsa-ilisha) and a non-migratory (Hilsa-toli) fish
17.	Shri G. K. Karnavar	Zoology	Studies on the Khapra Beetle, Trogoderma Oranarium Everts, with emphasis on the Fat Body
18.	Shri T. V. Chakko	Zoology	A Histological and Histochemical Study of the normal regenerating Tail of the House Lizard, Hemidactylus Flaviviridis
19.	Shri N. M. Bhagia	Education	Study of the problem of school adjustment and developing an adjustment inventory
20.	Shri J. J. Mody	Education	A Comparative Study of English and Gujarati Syntaxes
21.	Smt. M. S. Warty	Psychology	A study of the attitudes of the young towards the aged
22.	Shri D. G. Patel	Pharmacology	Study of the effects of various drugs on the Insulin Antibodies
23.	Shri R. C. Desai	Electrical Engineering	Estimation of Turbo-alternator transfer functions by variational method using normal operating data nonsequentially.

## Results of University Examinations March/April, 1967

Sr. No.	Examination	Number appeared		Number Passed																Grand Total	Percentage of pass
		No. Absent	Men	Men								Women									
				I Class Dist.	II Class	Pass Class	Total	I Class Dist.	I Class	II Class	Pass Class	Total	I Class Dist.	I Class	II Class	Pass Class	Total				
1																					
1	Preparatory Arts	938	19	459	460	919	7	—	5	43	150	198	—	13	97	175	285	483	52.55%		
2	F.Y.B.A.	648	11	286	351	637	6	—	1	30	90	121	—	13	67	140	220	341	53.53%		
3	* S.Y.B.A.	559	13	273	273	546	7	—	—	—	159	159	—	—	—	200	200	359	65.75%		
4	T.Y.B.A.	413	12	208	193	401	9	1	6	30	101	138	—	18	82	79	179	317	79.05%		
5	M.A.	105	11	58	36	94	11	—	—	2	29	52	—	2	11	20	33	85	90.42%		
6	Bachelor of Lib. Science	11	—	4	7	11	2	—	—	—	2	4	—	—	6	—	6	10	90.90%		
7	Dip. in Library Science	2	—	2	—	2	2	—	—	—	—	—	—	—	—	—	—	—	00.00%		
8	Dip. in German Language	19	3	14	2	16	16	—	13	1	—	14	—	—	—	—	2	16	100%		
9	Visharad	3	—	3	—	3	3	—	—	—	—	—	—	—	—	—	—	1	33.33%		
10	Shastri	7	—	7	—	7	7	—	3	1	2	7	—	—	—	—	—	—	100%		
11	Acharya	2	—	2	—	2	2	—	1	1	—	2	—	—	—	—	—	2	100%		
12	Preparatory Science	1157	10	985	162	1147	11	—	212	376	127	715	—	26	72	26	124	839	73.06%		
13	Pre-Medical	136	1	107	28	135	135	—	17	51	34	102	—	8	12	8	28	130	96.29%		
14	F.Y.B.Sc.	337	6	260	71	331	331	—	14	60	39	113	—	7	27	10	44	157	47.43%		
15	* S.Y.B.Sc.	275	14	197	64	261	261	—	—	—	93	93	—	—	—	—	53	146	55.93%		
16	T.Y.B.Sc.	217	7	161	49	210	210	3	15	44	38	100	1	9	18	6	34	134	63.80%		
17	* M.Sc. (Previous)	187	3	154	30	184	184	—	—	—	129	129	—	—	—	—	27	156	84.78%		

\* No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
18 M.Sc. (Final)	130	1	103	26	129	2	23	58	17	100	—	4	17	4	25	125	96.89%		
19 M.Sc. (Old Course)	12	2	9	1	10	—	—	—	5	5	—	—	—	1	—	6	60%		
20 M.Sc. (Appl. Geology)	1	—	1	—	—	—	—	—	1	—	—	—	—	—	—	—	100%		
21 B.Ed.	168	2	74	92	166	—	6	40	26	72	—	14	57	20	91	163	98.19%		
22 * T.D.	26	—	17	9	26	—	—	—	17	17	—	—	—	9	9	26	100%		
23 * Dip. in Early Childhood Edu. (Under-graduate)	19	—	—	19	19	—	—	—	—	—	—	—	—	19	19	19	100%		
24 M.Ed.	18	4	7	7	14	—	—	3	4	7	—	4	2	6	13	92.19%			
25 * Dip. in Guidance and Counselling (P.G.)	3	—	3	—	3	—	—	—	3	3	—	—	—	—	—	3	100%		
26 Prep. Commerce	875	13	755	107	862	—	18	161	316	495	—	6	37	45	88	583	67.63%		
27 F.Y.B.Com.	557	14	504	39	543	—	16	79	196	291	—	1	18	15	34	325	59.85%		
28 * S.Y.B.Com.	454	16	412	26	438	—	—	—	269	269	—	—	—	25	25	294	68.69%		
29 B.Com.	430	18	383	29	412	1	15	97	168	281	—	1	10	11	22	303	73.54%		
30 B.Com. (Under O.Com. 26)	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	100%		
31 * B.Com. (Under O.Com. 27)	25	1	10	14	24	—	—	—	6	6	—	—	—	13	13	19	79.16%		
32 * B.Com. (Under O.Com. 25)	14	3	11	—	11	—	—	—	7	7	—	—	—	—	—	7	63.63%		
33 * Dip. in Co-operation (U.G.)	3	—	3	—	3	—	—	—	3	3	—	—	—	—	—	3	100%		
34 * Dip. in Co-operation (P.G.)	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100%		
35 M.Com.	20	1	18	1	19	—	1	9	6	16	—	—	—	1	17	89.47%			
36 * Dip. in Banking (P.G.)	33	3	27	3	30	—	—	—	26	26	—	—	—	3	3	29	96.66%		
37 * I.M.B.B.S.	31	—	28	3	31	—	—	—	24	24	—	—	—	2	2	26	83.87%		
38 * II.M.B.B.S.	131	—	101	30	131	—	—	—	70	70	—	—	—	18	18	88	67.17%		
39 * III.M.B.B.S.	35	—	29	6	35	—	—	—	24	24	—	—	—	5	5	29	82.85%		
40 * M.D. (Br. I) Medicine	16	1	15	—	15	—	—	—	4	4	—	—	—	—	—	4	26.66%		
41 * M.D. (Br. II)—Pathology	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00.00%		
42 * M.D. (Br. V)—O & G	9	1	4	4	8	—	—	—	1	1	—	—	—	1	1	2	25.00%		
43 * M.S. (Br. I)—Surgery	17	5	12	—	12	—	—	—	6	6	—	—	—	—	—	6	50.00%		
44 * M.S. (Br. III)—Orthopaedics	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	1	100%		
45 * Dip. in Anaesthesiology	4	—	3	1	4	—	—	—	2	2	—	—	—	1	1	3	75.00%		
46 * Dip. in Laryngology & Otolaryngology	3	1	1	1	2	—	—	—	1	1	—	—	—	—	—	1	50.00%		
47 * Dip. in Paediatrics	4	—	3	1	4	—	—	—	1	1	—	—	—	1	1	2	50.00%		

**Dip. in Venereology & Dermatology**

49 * Dip. in Tuberculous Diseases	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	—	2	100%
50 * Dip. in Clinical Pathology	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	—	2	100%
51 * Dip. in Gynaecology & Obstetrics	2	—	1	1	2	—	—	—	1	1	—	—	—	—	—	—	1	50.00%
52 * Dip. in Medical Radiology (Part I)	15	3	7	5	12	—	—	—	3	3	—	—	—	2	2	5	41.66%	
53 M.Sc. (Medical Subjects)	2	—	1	1	2	—	—	—	1	1	—	—	—	1	1	2	100%	
54 F.Y. Dip. (C.M.E.)	4	—	4	—	4	—	—	—	1	1	—	—	—	—	—	1	25.00%	
55 S.Y. Dip. (C.M.E.)	499	—	491	8	499	—	16	84	138	238	—	1	1	3	5	243	48.69%	
56 * I Sem. of S.Y. Dip. (C.M.E.)—Extd. Course	422	1	417	4	421	—	20	97	140	257	—	—	—	2	1	3	260	61.75%
57 II Sem. of S.Y. Dip. (C.M.E.)—Extd. Course	118	7	111	—	111	—	—	—	43	43	—	—	—	—	—	43	38.73%	
58 * I Sem. of D.C.E. Extd. Course	36	1	34	1	35	—	—	—	13	13	—	—	—	—	—	13	37.14%	
59 * I Sem. of D.M.E. Extd. Course	11	1	10	—	10	—	—	—	9	9	—	—	—	—	—	9	90.00%	
60 * I Sem. of D.E.E. Extd. Course	32	2	30	1	30	—	—	—	21	21	—	—	—	—	—	21	70.00%	
61 Dip. in Civil Engg.	15	1	14	—	14	—	—	—	8	8	—	—	—	—	—	8	57.14%	
62 Dip. in Mech. Engg.	70	1	68	1	69	—	12	25	25	62	—	1	—	—	—	1	63	91.30%
63 * Dip. in Mech. Engg. (Under O.T.E. 155)	207	5	202	—	202	—	22	78	58	158	—	—	—	—	—	158	78.21%	
64 Dip in Elect. Engg.	58	5	52	1	53	—	—	—	43	43	—	—	—	1	1	44	83.01%	
65 * Dip in Elect. Engg. (Under O.T.E. 162)	102	2	100	—	100	—	11	38	32	81	—	—	—	—	—	81	81.00%	
66 Dip. in Textile Chemistry	62	3	59	—	59	—	—	—	49	49	—	—	—	—	—	49	83.05%	
67 Dip. in Textile Chemistry (Under O.T.E. 184)	42	—	42	—	42	—	1	4	18	23	—	—	—	—	—	23	54.76%	
68 Dip. in Textile Technology	75	1	74	—	74	—	2	22	32	56	—	—	—	—	—	56	75.67%	
69 F.E. (C.M.E.)—O.C.	34	2	32	—	32	—	4	9	14	27	—	—	—	—	—	27	84.37%	
	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	00.00%

\* No Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
70 F.Text. (Engg. & Tech.)			82	—	82	—	82	I	2	22	7	32	—	—	—	—	—	—	32	39.02%	
71 *I Sem. of B.E.—II (CME Chem.)			82	4	77	1	78	—	—	—	37	37	—	—	—	—	—	—	37	47.43%	
72 II Sem. of B.E.—II (CME Chem.)			389	1	385	3	388	6	53	175	42	276	—	1	1	—	—	—	2	278	71.64%
73 B.E.—III (CME)—Special			3	—	3	—	3	—	—	—	3	3	—	—	—	—	—	—	3	100%	
74 B.E.—IV (CME)—Special			22	—	22	—	22	I	—	12	4	17	—	—	—	—	—	—	17	77.27%	
75 *I Sem. of B.E. IV—(CME Chem.)			21	—	21	—	21	—	—	—	15	15	—	—	—	—	—	—	15	71.42%	
76 II Sem. of B.E. IV—(CME Chem.)			72	—	72	—	72	14	12	24	10	60	—	—	—	—	—	—	60	83.33%	
77 *I Sem. of B.E. II (Electronics)			1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	—	1	100%	
78 II Sem. of B.E. II (Electronics)			5	—	5	—	5	I	1	2	1	5	—	—	—	—	—	—	5	100%	
79 Prep. Course Exam. in (CME) for Dip. Passed Students			42	2	40	—	40	—	1	14	10	25	—	—	—	—	—	—	—	25	62.50%
80 S.E. (CME)—(O.C.)			4	—	4	—	4	—	—	—	2	2	—	—	—	—	—	—	—	2	50.00%
81 S.Text. (Engg. & Tech.)			71	—	71	—	71	—	1	21	14	36	—	—	—	—	—	—	—	36	50.70%
82 T.E. (C.M.E.)			26	—	26	—	26	—	—	—	14	14	—	—	—	—	—	—	—	14	53.84%
83 T. Text. (Engg.)			34	1	33	—	33	—	2	18	4	24	—	—	—	—	—	—	—	24	72.72%
84 T. Text. (Tech.)			29	—	29	—	29	—	3	8	1	12	—	—	—	—	—	—	—	12	41.37%
85 B.E. (Civil)			127	4	123	—	123	1	8	85	13	107	—	—	—	—	—	—	—	107	86.99%
86 B.E. (Mech.)			148	3	145	—	145	19	47	70	—	136	—	—	—	—	—	—	—	136	94.44%
87 B.E. (Mech.) Under O.T.E.			39																		
88 B.E. (Elect.)			28	3	25	—	25	—	4	19	—	23	—	—	—	—	—	—	—	23	92.00%
89 B.E. (Elect.) Under O.T.E.			94	2	92	—	92	4	15	59	3	81	—	—	—	—	—	—	—	81	88.04%
90 B.Text (Engg.)			4	—	4	—	4	—	—	—	3	1	4	—	—	—	—	—	—	4	100%
			14	—	14	—	14	—	2	10	2	14	—	—	—	—	—	—	—	14	100%

91 B.Text (Tech.)			16	—	16	—	16	1	4	9	2	16	—	—	—	—	—	—	—	16	100%			
92 *M.E. (Civil)—Part I			24	1	23	—	23	—	—	—	18	18	—	—	—	—	—	—	—	18	78.26%			
93 *M.E. (Mech.)—Part I			18	—	18	—	18	—	—	—	11	11	—	—	—	—	—	—	—	11	61.11%			
94 *M.E. (Elect.)—Part I			5	—	5	—	5	—	—	—	3	3	—	—	—	—	—	—	—	3	60.00%			
95 *M.E. (Civil)—Part II			4	1	3	—	3	—	—	—	2	2	—	—	—	—	—	—	—	2	66.66%			
96 *M.E. (Mech.)—Part II			1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	—	—	1	100%			
97 *M.E. (Elect.)—Part II			4	—	4	—	4	—	—	—	4	4	—	—	—	—	—	—	—	4	100%			
98 *M.E. (Civil)—Part III (N.C.)			13	—	13	—	13	—	—	—	12	12	—	—	—	—	—	—	—	12	92.30%			
99 *M.E. (Mech.)—Part III (N.C.)			11	—	11	—	11	—	—	—	9	9	—	—	—	—	—	—	—	9	81.81%			
100 *M.E. (Elect.)—Part III (N.C.)			10	1	9	—	9	—	—	—	7	7	—	—	—	—	—	—	—	7	77.77%			
101 M.E. (Mech.)—Part III (O.C.)			1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	—	—	1	100%			
102 M.E. (Elect.)—Part III (O.C.)			1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	—	—	1	100%			
103 M.E. (Civil)—Part IV			4	1	3	—	3	—	—	—	3	3	—	—	—	—	—	—	—	3	100%			
104 M.E. (Mech.)—Part IV			7	—	7	—	7	1	3	3	—	7	—	—	—	—	—	—	—	7	100%			
105 M.E. (Elect.)—Part IV			2	1	1	—	1	—	—	—	1	1	—	—	—	—	—	—	—	1	100%			
106 *P. G. Dip. in Ref. & Air-Conditioning—Part I			9	1	8	—	8	—	—	—	7	7	—	—	—	—	—	—	—	7	77.50%			
107 P. G. Dip. in Ref. & Air-Conditioning Part II			1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	—	—	1	100%			
108 III Year B.Arch.			52	1	46	5	51	—	—	—	9	22	—	—	—	—	—	—	—	3	25	49.01%		
109 B.Arch.			51	2	43	6	49	1	7	18	5	31	—	—	—	—	—	—	—	4	1	5	36	73.46%
110 I LL.B.			329	67	237	25	262	—	1	87	28	116	—	—	—	—	—	—	—	7	2	9	125	47.70%
111 II LL.B.			157	22	124	11	135	—	2	58	14	74	—	—	—	—	—	—	—	8	2	10	84	62.22%
112 LL.M.			14	2	11	1	12	—	—	—	3	3	—	—	—	—	—	—	—	—	—	3	25.00%	
113 *D.T.P.			56	12	44	—	44	—	—	—	25	25	—	—	—	—	—	—	—	—	—	25	56.82%	
114 *D.L.P.			45	7	35	3	38	†	2	—	—	23	25	—	—	—	—	—	—	1	1	26	68.42%	
115 M.A. (Fine)—Painting			1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	—	—	—	—	1	100%	
116 M.A. (Fine)—Sculpture			1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	00	00.00%	

\* No Class is awarded

† Passed with Distinction.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
117 M.A. (Fine) - Art Criticism	1	—	1	—	1	—	1	—	1	—	—	—	—	—	—	—	—	—	1	100%
118 B.A. (Fine) - Painting	3	—	3	—	3	—	3	—	3	—	—	3	—	—	—	—	—	—	3	100%
119 Post Dip. in Fine Arts—Painting	4	—	4	—	3	1	4	—	2	1	—	3	—	—	1	—	—	—	4	100%
120 Post Dip. in Fine Arts—Sculpture	1	—	1	—	1	—	1	—	1	—	—	—	—	—	—	—	—	—	1	100%
121 Dip. in Fine Arts—Painting	3	—	2	—	2	—	2	—	2	—	—	2	—	—	—	—	—	—	3	100%
122 Dip. in Fine Arts—Sculpture	2	—	2	—	2	—	2	—	2	—	—	2	—	—	—	—	—	—	2	100%
123 Dip. in Fine Arts - Applied Arts	9	—	7	—	7	2	9	1	6	—	—	7	—	2	—	—	—	—	9	100%
124 Dip. in Textile Design	2	—	2	—	2	—	2	—	—	—	—	—	—	2	—	—	—	—	2	100%
125 M.Mus.	2	—	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	2	100%
126 B.Mus.	9	—	3	—	3	6	9	1	—	—	—	—	1	—	—	—	—	—	9	100%
127 Diploma in Music	23	3	12	—	8	20	20	—	—	—	3	4	7	—	4	1	3	8	15	75.00%
128 Diploma in Dance	2	—	—	—	—	2	2	—	—	—	—	—	—	2	—	—	—	2	2	100%
129 Diploma in Dramatics	8	1	7	—	7	—	1	3	3	—	—	7	—	—	—	—	—	—	7	100%
130 *P.G Dip. in Museology	5	—	4	—	4	1	5	—	—	—	2	2	—	—	—	—	—	—	3	60.00%
131 M.Sc. (Home)	23	—	—	—	23	23	23	—	—	—	—	—	—	16	£16	—	—	22	22	95.65%
132 B.Sc. (Home)	105	—	—	—	—	105	105	—	—	—	—	—	—	18	£55	†21	84	84	84	80.00%
133 Dip. in Nursery School Education	2	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	—	—	2	100%
134 *M.S.W.	21	—	14	—	7	21	21	—	—	—	14	14	—	—	—	—	7	7	21	100%
135 *Ph.D (Arts)	3	—	3	—	—	—	3	—	—	—	3	3	—	—	—	—	—	—	3	100%
136 *Ph D (Science)	12	—	9	—	3	12	12	—	—	—	9	9	—	—	—	—	3	3	12	100%
137 *Ph D. (Education)	3	—	—	—	2	1	3	—	—	—	—	2	—	—	—	—	1	1	3	100%

‡ Passed with A Grade.

£ Passed with B Grade.

† Passed with C Grade.

\* No Class is awarded.

## Appendix VII

## Result of University Examinations August/October/November, 1967

Sr. No.	Examination	Number 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								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19			
1	F.Y.B.A.	274	19	138	117	255	—	—	—	64	64	—	—	—	67	67	131	51.37%			
2	*S.Y.B.A.	211	4	129	78	207	—	—	—	85	85	—	—	—	55	55	140	67.63%			
3	T.Y.B.A.	72	5	49	18	67	—	—	—	1	27	28	—	—	9	11	39	58.20%			
4	F.Y.B.Sc.	156	4	128	24	152	—	—	—	5	80	85	—	—	18	18	103	67.76%			
5	*S.Y.B.Sc.	110	7	94	9	103	—	—	—	44	44	—	—	—	6	6	50	48.54%			
6	T.Y.B.Sc.	74	7	54	13	67	—	—	—	3	27	30	—	—	6	9	39	58.21%			
7	F.Y.B.Com.	189	18	169	2	171	—	—	—	64	64	—	—	—	2	2	66	38.59%			
8	*S.Y.B.Com.	184	7	175	2	177	—	—	—	81	81	—	—	—	2	2	83	46.89%			
9	B.Com.	93	13	75	5	80	—	—	—	2	28	30	—	—	2	2	32	40.00%			
10	*B.Com. (Under O.Com. 27)	8	2	4	2	6	—	—	—	—	2	2	—	—	2	2	4	66.66%			
11	*B.Com. (Under O.Com. 25)	11	4	7	—	7	—	—	—	3	3	—	—	—	—	—	3	42.85%			
12	§ *I M.B.B.S.	119	—	95	24	119	—	—	—	74	74	—	—	—	21	21	95	79.83%			
13	† *I M.B.B.S.	26	—	23	3	26	—	—	—	18	18	—	—	—	3	3	21	80.77%			
14	*II M.B.B.S.	58	—	41	17	58	—	—	—	32	32	—	—	—	15	15	47	81.03%			
15	*III M.B.B.S.	99	—	77	22	99	—	—	—	38	38	—	—	—	11	11	49	49.49%			
16	*M.D. - Br. I (Medicine)	15	2	13	—	13	—	—	—	4	4	—	—	—	—	—	4	30.77%			

\* No Class is awarded.

§ October 1967.

† December 1967.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
17 *M.D.—Br. II (Pathology)	1	—	1	—	1	—	1	—	—	—	1	1	—	—	—	—	—	—	1	100%
18 *M.D.—Br. V (Obs. & Gy.)	10	—	3	7	—	—	10	—	—	—	1	1	—	—	—	4	4	5	50.00%	
19 *M.S.—Br. I (Surgery)	16	2	14	—	—	—	14	—	—	—	6	6	—	—	—	—	—	6	42.85%	
20 *M.S.—Br. III (Orthopaedics)	1	—	1	—	—	—	1	—	—	—	—	—	—	—	—	—	—	0	00.00%	
21 *M.S.—Br. IV (Oto-Rhinology)	1	—	1	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	
22 M.Sc. (In Medical Subjects)	6	—	5	1	—	—	6	—	—	1	2	3	—	—	—	—	—	3	50.00%	
23 *Dip. in Ophthalmology	1	—	1	—	—	—	1	—	—	—	—	—	—	—	—	—	—	0	00.00%	
24 *Dip. in Anaesthesiology	2	—	2	—	—	—	2	—	—	—	2	2	—	—	—	—	—	2	100%	
25 *Dip. in Laryngology & Otolaryngology	2	—	2	—	—	—	2	—	—	—	—	—	—	—	—	—	—	0	00.00%	
26 *D.M.R.	2	—	1	1	—	—	2	—	—	—	1	1	—	—	—	1	1	2	100%	
27 *Dip. in Pediatrics	6	—	5	1	—	—	6	—	—	—	3	3	—	—	—	1	1	4	66.66%	
28 *D.V. & D.	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
29 *Dip. in Clinical Pathology	7	—	5	2	—	—	7	—	—	—	5	5	—	—	—	2	2	7	100%	
30 *Dip. in Gynaecology & Obstetrics	8	1	2	5	—	—	7	—	—	—	1	1	—	—	—	4	4	5	71.42%	
31 F.Y. Dip. (CME)	228	4	222	2	—	—	224	—	—	—	82	82	—	—	—	1	1	83	37.05%	
32 S.Y. Dip. (CME)	157	2	154	1	—	—	155	—	—	2	59	61	—	—	—	—	—	61	39.35%	
33 *I Semester of S.Y. Dip. (CME) Extd. Course	72	5	66	1	—	—	67	—	—	—	16	16	—	—	—	—	—	16	23.88%	
34 II Semester of S. Y. Dip. (C.M.E) Extd. Course	99	1	98	—	—	—	98	—	—	9	16	25	—	—	—	—	—	25	25.51%	
35 *I Semester of D.C.E. Extd. Course	2	—	2	—	—	—	2	—	—	—	2	2	—	—	—	—	—	2	100%	
36 *I Semester of D.M.E. Extd. Course	11	—	11	—	—	—	11	—	—	—	8	8	—	—	—	—	—	8	72.72%	
37 *I Semester of D.E.E. Extd. Course	7	—	7	—	—	—	7	—	—	—	5	5	—	—	—	—	—	5	71.42%	
38 II Semester of D.C.E. Extd. Course	11	—	11	—	—	—	11	—	6	4	—	10	—	—	—	—	—	10	90.90%	
39 II Semester of D.M.E. Extd. Course	32	—	32	—	—	—	32	—	8	12	9	29	—	—	—	—	—	29	90.62%	

40 II Semester of D.E.E. Extd. Course	15	—	15	—	—	—	15	—	3	3	7	13	—	—	—	—	—	—	13	86.66%
41 Dip. in Civil Engg.	6	—	6	—	—	—	6	—	—	3	1	4	—	—	—	—	—	4	66.66%	
42 Dip. in Mech. Engg.	43	1	42	—	—	—	42	—	—	5	11	16	—	—	—	—	—	16	38.09%	
43 *Dip. in Mech. Engg. (Under O.TE. 155)	4	1	3	—	—	—	3	—	—	—	2	2	—	—	—	—	—	2	66.66%	
44 Dip. in Elect. Engg.	20	2	18	—	—	—	18	—	1	1	8	10	—	—	—	—	—	10	55.55%	
45 *Dip. in Elect. Engg. (Under O.TE. 162)	8	2	6	—	—	—	6	—	—	—	3	3	—	—	—	—	—	3	50.00%	
46 Dip. in Textile Chemistry	14	3	11	—	—	—	11	—	—	—	1	1	—	—	—	—	—	1	9.09%	
47 Dip. in Textile Chemistry (Under O.TE. 184)	15	—	15	—	—	—	15	—	—	1	5	6	—	—	—	—	—	6	40.00%	
48 Dip. in Textile Technology	4	—	4	—	—	—	4	—	—	2	1	3	—	—	—	—	—	3	75.00%	
49 F. Text (Engg and Tech.)	47	—	47	—	—	—	47	—	—	—	23	23	—	—	—	—	—	23	48.93%	
50 S.E. CME	3	2	1	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	00.00%	
51 S.Text. Engg. and Tech.)	36	1	35	—	—	—	35	—	—	1	16	17	—	—	—	—	—	17	48.57%	
52 T.E. (CME)	9	2	7	—	—	—	7	—	—	—	4	4	—	—	—	—	—	4	57.14%	
53 T. Text (Engg.)	9	—	9	—	—	—	9	—	—	—	8	8	—	—	—	—	—	8	88.88%	
54 T. Text. (Tech.)	12	—	12	—	—	—	12	—	—	—	6	6	—	—	—	—	—	6	50.00%	
55 B.E. (Civil)	19	—	19	—	—	—	19	—	—	7	2	9	—	—	—	—	—	9	47.36%	
56 B.E. (Mech.)	11	1	10	—	—	—	10	—	—	4	—	4	—	—	—	—	—	4	40.00%	
57 B.E. (Mech.) (Under O.TE. 39)	6	—	6	—	—	—	6	—	1	3	—	4	—	—	—	—	—	4	66.66%	
58 B.E. (Elect)	13	2	11	—	—	—	11	—	1	2	—	3	—	—	—	—	—	3	27.00%	
59 *I Semester of B.E. I (CME Chem)	450	1	447	2	449	—	—	—	—	—	315	315	—	—	—	2	2	317	70.62%	
60 *I Semester of B.E. II (CME Chem.)	454	2	450	2	452	—	—	—	—	—	252	252	—	—	—	1	1	253	55.99%	
61 II Semester of B.E. I (CME Chem)	97	1	95	1	96	—	—	—	—	—	47	47	—	—	—	1	1	48	50.00%	
62 *I Semester of B.E. III (CME Chem)	386	—	383	3	386	—	—	—	—	—	330	330	—	—	—	2	2	332	86.01%	
63 *I Semester of B.E. IV (CME Chem)	306	3	302	1	303	—	—	—	—	—	265	265	—	—	—	1	1	266	87.78%	

\* No. Class is awarded.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
64	9	—	9	—	9	—	9	—	—	—	2	2	—	—	—	—	—	2	22.22%
65	89	3	86	—	86	—	86	—	—	—	83	83	—	—	—	—	—	83	96.51%
66	5	—	5	—	5	—	5	—	—	—	—	—	—	—	—	—	—	—	00.00%
67	26	—	26	—	26	—	26	—	—	—	19	19	—	—	—	—	—	19	73.07%
68	24	—	24	—	24	—	24	—	—	—	18	18	—	—	—	—	—	18	75.00%
69	13	—	13	—	13	—	13	—	—	—	10	10	—	—	—	—	—	10	76.92%
70	5	—	5	—	5	—	5	—	—	—	4	4	—	—	—	—	—	4	80.00%
71	3	1	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	2	100%
72	7	—	7	—	7	—	7	—	—	—	7	7	—	—	—	—	—	7	100%
73	2	—	2	—	2	—	2	—	—	—	2	2	—	—	—	—	—	2	100%
74	19	1	18	—	18	—	18	—	—	—	11	11	—	—	—	—	—	11	61.11%
75	12	—	12	—	12	—	12	—	—	—	11	11	—	—	—	—	—	11	91.66%
76	5	—	5	—	5	—	5	—	—	—	3	3	—	—	—	—	—	3	60.00%
77	3	—	3	—	3	—	3	—	—	—	2	2	—	—	—	—	—	2	66.66%
78	6	—	6	—	6	—	6	—	—	—	6	6	—	—	—	—	—	6	100%
79	3	—	3	—	3	—	3	—	—	—	2	2	—	—	—	—	—	2	66.66%
80	6	—	6	—	6	—	6	—	3	3	—	6	—	—	—	—	—	6	100%
81	3	—	3	—	3	—	3	—	1	2	—	3	—	—	—	—	—	3	100%
82	5	1	4	—	4	—	4	—	1	3	—	4	—	—	—	—	—	4	100%
83	8	3	5	—	5	—	5	—	3	2	—	5	—	—	—	—	—	5	100%
84	5	1	5	—	5	—	5	—	4	1	—	5	—	—	—	—	—	5	100%
85	3	1	2	—	2	—	2	—	—	2	—	2	—	—	—	—	—	2	100%
86	1	—	1	—	1	—	1	—	1	—	—	1	—	—	—	—	—	1	100%
87	2	—	2	—	2	—	2	—	2	—	—	2	—	—	—	—	—	2	100%
88	1	—	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	00%
89	7	—	7	—	7	—	7	—	5	1	—	6	—	—	—	—	—	6	85.71%
90	4	—	4	—	4	—	4	—	2	1	—	4	—	—	—	—	—	4	100%
91	15	1	14	—	14	—	14	—	—	—	6	6	—	—	—	—	—	6	42.85%
92	27	—	25	2	27	—	27	—	—	—	8	8	—	—	1	—	—	9	33.33%
93	17	—	16	1	17	—	17	—	2	2	3	7	—	—	1	—	—	8	47.05%
94	119	28	80	11	91	—	91	—	—	7	42	49	—	—	3	7	10	59	64.50%
95	65	10	53	2	55	—	55	—	—	14	31	45	—	—	—	1	1	46	83.63%
96	29	—	—	29	29	—	29	—	—	—	—	—	—	—	—	16	10	26	89.65%
97	9	—	—	9	9	—	9	—	—	—	—	—	—	—	—	—	—	9	100%
98	8	—	8	—	8	—	8	—	—	—	—	—	—	—	—	—	—	6	75.00%
99	11	—	11	—	11	—	11	—	—	—	—	—	—	—	—	—	—	11	100%

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
88	1	—	1	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
89	7	—	7	—	7	—	7	—	5	1	—	6	—	—	—	—	—	6	85.71%
90	4	—	4	—	4	—	4	—	2	1	—	4	—	—	—	—	—	4	100%
91	15	1	14	—	14	—	14	—	—	—	6	6	—	—	—	—	—	6	42.85%
92	27	—	25	2	27	—	27	—	—	—	8	8	—	—	1	—	—	9	33.33%
93	17	—	16	1	17	—	17	—	2	2	3	7	—	—	1	—	—	8	47.05%
94	119	28	80	11	91	—	91	—	—	7	42	49	—	—	3	7	10	59	64.50%
95	65	10	53	2	55	—	55	—	—	14	31	45	—	—	—	1	1	46	83.63%
96	29	—	—	29	29	—	29	—	—	—	—	—	—	—	—	16	10	26	89.65%
97	9	—	—	9	9	—	9	—	—	—	—	—	—	—	—	—	—	9	100%
98	8	—	8	—	8	—	8	—	—	—	—	—	—	—	—	—	—	6	75.00%
99	11	—	11	—	11	—	11	—	—	—	—	—	—	—	—	—	—	11	100%

\* No Class is awarded.

@ Examination held in August 1967.

+ Examination held in November 1967.

† Passed in 'A' Grade.

‡ Passed in 'B' Grade.

£ Passed in 'C' Grade.

**CAPITAL ACCOUNTS**  
**I—University General Fund**  
 (Subject to Audit)

<i>Receipts</i>		<i>Payments</i>	
<i>Rs.</i>	<i>P.</i>	<i>Rs.</i>	<i>P.</i>
Opening Balance as on 1-4-1967		5,54,707	56
Interest		51,957	89
Loan for Construction of Hostels for Engineering Students		7,09,958	17
Loan from the Bank of Baroda Ltd. for Construction of a Building for the Bank near the Sports Pavilion	85,000		
Grant from Sir Sayajirao Diamond Jubilee and Memorial Trust	3,00,000		
Compensation towards the land acquired by the Baroda Municipal Corporation for realignment of approach road over the overbridge near Alembic crossing	2,00,000		
	<u>Total :</u>	<u>13,16,623</u>	<u>62</u>

184

**II—Ayurvedic Research Fund**  
 (Subject to Audit)

<i>Receipts</i>		<i>Payments</i>	
<i>Rs.</i>	<i>P.</i>	<i>Rs.</i>	<i>P.</i>
Opening Balance as on 1-4-1967		36,208	48
Interest		3,416	00
		11,52,558	99
	<u>Total :</u>	<u>11,92,183</u>	<u>47</u>

185

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

<i>Receipts</i>		<i>Payments</i>	
<i>Rs.</i>	<i>P.</i>	<i>Rs.</i>	<i>P.</i>
Opening Balance as on 1-4-1967		73,951	10
Interest		39,012	91
		6,227	42
		2,310	75
	<u>Total :</u>	<u>45,31,464</u>	<u>14</u>

Total : 46,52,966-32

REVENUE ACCOUNTS  
( Subject to Audit )  
1967-68

Appendix IX

Sr. No.	Particulars	Receipts		Sr. No.	Particulars	Disbursements	
		Rs	P.			Rs.	P.
1	2	3		1	2	3	

**I Tuition Fees and Other Income from Faculties and Institutions**

- (A) Faculties:
- (a) Faculty of Arts
  - (b) Faculty of Science
  - (c) Faculty of Education and Psychology
  - (d) Faculty of Commerce
  - (e) (i) Faculty of Technology and Engineering
  - (ii) Expansion Scheme of Diploma Courses (Polytechnic)
  - (f) Faculty of Law
  - (g) Faculty of Fine Arts
  - (h) Faculty of Home Science
  - (i) Faculty of Social Work

I	University General Administration	4,54,836-80
II	Examination Charges	6,14,741-19
III	Deadstock and Repairs	10,585-61
IV	Publications	9,215-12
V	Information and Publicity	8,676-57
VI	Remuneration to Lecturers	—
VII	Travelling Allowance	40,271-21
VIII	Printing and Stationery	59,997-14
IX	Maintenance of Buildings and Roads and Temporary Establishment for Capital Works (including residential Quarters and N.C.C. Buildings)	90,910-59
X	Maintenance of Gardens	35,071-79
XI	Municipal Taxes and Law Charges	26,858-93
XII	(a) University Contribution to Provident Fund	18,598-33
	(b) Contribution to Gratuity Fund	11,236-00
XIII	Miscellaneous	5,03,390-48
XIV	Health Centre	48,610-67

186

1	2	3	1	2	3
---	---	---	---	---	---

**(B) Institutions :**

- (1) College of Indian Music, Dance and Dramatics
- (2) Preparatory Unit—Arts and Commerce
- (3) Preparatory Unit—Science
- (4) Sanskrit Mahavidyalaya
- (5) Shri M. K. Amin Arts and Science College and College of Commerce, Padra

II	Examination Fees	8,18,489-88	XV	University Guest House	13,17,77
III	Other Fees	3,39,645-45	XVI	Expenditure of the University Grants Commission Unit ( Over Rs. 6,000/- U. G. C. Grant )	7,179-27
IV	Income from Publications	50,463-17	XVII	University Library	2,98,322-51
V-A	(1) Grant from the State Government ( Block Grant )	42,00,372-00	XVIII	Physical Education Department	1,43,354-96
	(2) Grant from the State Government ( Additional Block Grant ) for Expenditure on Development Plans, Schemes which have completed 5 years or the stipulated period and hence become 100% liability of the State Government	—	XIX	Faculties and Institutions	90,09,923-95
			(A) Faculties:		
			(a) Faculty of Arts		9,94,211-22
			(b) Faculty of Science		20,27,693-19
			(c) Faculty of Education and Psychology		6,51,925-40
			(d) Faculty of Commerce		3,13,286-19
			(e) (i) Faculty of Technology and Engineering		19,77,885-42
			(ii) Expansion Scheme of Diploma Courses (Polytechnic)		7,56,443-71
			(f) Faculty of Law		99,143-26
			(g) Faculty of Fine Arts		4,70,655-92
			(h) Faculty of Home Science		6,21,846-86
			(i) Faculty of Social Work		2,18,928-81

187

(3) 80% Grant from the State Government towards the increase in the rates of Dearness Allowances

**V-B Grant from the University Grants Commission and the State Government towards the increase in salaries of the teaching staff ( Humanities, Sciences and Social Sciences, due to Grade Revision (Third Five Year Plan Scheme and balance of the Second Plan )**

(a) Grant from the University Grants Commission	1,09,531-21	XX	M. S. University of Baroda Press (Sadhana Press)	3,03,276-11
(b) Grant from the State Government	20,614-46	XXI	M. S. University Stationery Unit	1,52,026-74
(c) Grant from the State Government towards revision of Salary Scales of University Teachers in Humanities and Social Sciences (Second Plan)	1,31,914-67	XXII	M. S. University Publications Sales Unit	13,661-16
		XXIII	Halls of Residence for Students	5,84,551-35
		XXIV	Sheth U. P. Ayurvedic Research Unit	69,216-98

**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 upto 7 years**

VI Interest on Cash Balance	2,00,000 00
VII Income from Halls of Residence for Students	10,016-38
VIII Income from use and occupation of University Quarters and Bungalows including Furniture Rent	4,63,350-50
IX Income from University Guest House	2,36,735-02
X Miscellaneous Income	3,626-00
XI Income from M. S. University of Baroda Press (Sadhana Press)	1,56,900-61
XII Income from M. S. University Stationery Unit	2,63,157-34
XIII Income from University Health Centre	1,53,285-28
	7,032-33

**(B) Institutions :**

(1) Oriental Institute	1,57,720-78
(2) College of Indian Music, Dance and Dramatics	3,44,804-02
(3) Preparatory Unit-Arts and Commerce	48,495 11
(4) Preparatory Unit-Science	38,728-05
(5) Sanskrit Mahavidyalaya	86,458-21
(6) Shri M. K. Amin Arts and Science College and College of Commerce, Padra	2,01,697-80

1	2	3	1	2	3
XIV Sheth U. P. Ayurvedic Research Unit	69,216-98				

Total Receipts : 1,09,14,600-78

XV Excess of Disbursements over Receipts i.e. Deficit : 16,13,092-45

Grand Total : 1,25,27,693-23

Grand Total : 1,25,27,693-23

Grants on Development and Research Schemes 1967-68.

Sr. No.	Name of the Agency	Amount of Grant	
		Rs.	P.
1	2	3	
1.	University Grants Commission	17,17,935	-23
2.	Ministry of Education, Government of India	2,79,753	-69
3.	Ministry of Health, Government of India	89,184	=56
4.	Ministry of Defence, Research and Development Organisation, Government of India	14,695	00
5.	Central Social Welfare Board	62,050	00
6.	Planning Commission, Government of India	22,146	00
7.	Council of Scientific and Industrial Research, New Delhi	46,511	-59
8.	Department of Science Education, National Council of Educational Research and Training	20,000	00
9.	Government of Gujarat ( Matching Grant )	2,22,255	-38
10.	Government of Gujarat ( Research and other Schemes )	1,37,157	-23
11.	Directorate of Cottage Industries, Government of India	1,17,290	00
12.	Ford Foundation—Home Science Project	2,02,872	-00
13.	UNICEF—Nutrition Programme	26,642	-81
14.	United States Department of Agriculture and Health, New Delhi ( Am PL-480 Programme )	4,26,491	00
15.	University of Michigan, U.S.A.	10,530	-60
16.	USAID	25,000	00
17.	Muscular Dystrophy Association, U.S.A.	39,552	-23
Total:		34,60,067	-32

HALLS OF  
A Statement of Students

<i>Faculty</i>	<i>Shri K. M. Munshi Hall</i>	<i>Shri Manubhai Mehta Hall</i>	<i>Shri Maharshi Aurobindo Hall</i>	<i>Shri Sardar Patel Hall</i>	<i>Professor T. K. Gajjar Hall</i>
Preparatory Science	115	13	8	10	26
Prep. Arts and Commerce	1	6	1	2	11
Faculty of Arts	1	7	7	4	6
Faculty of Commerce	2	15	10	13	37
Faculty of Science	13	21	15	50	26
Faculty of Education and Psychology	1	2	—	3	—
Faculty of Technology and Engineering	31	97	131	87	88
Polytechnic	1	7	9	—	8
Faculty of Medicine	16	16	14	18	38
Faculty of Social Work	—	1	1	2	2
Faculty of Fine Arts	2	9	3	3	1
College of Indian Music, Dance & Dramatics	—	—	—	1	—
Faculty of Law	—	1	1	—	—
Faculty of Home Science	—	—	—	—	—
<b>Total:</b>	<b>183</b>	<b>195</b>	<b>200</b>	<b>193</b>	<b>243</b>

RESIDENCE, BARODA  
admitted in the year 1967-68

<i>Dr. Jivraj Mehta Hall</i>	<i>Shri Dadabhai Naoroji Hall</i>	<i>Shri Rabindra- nath Tagore Hall</i>	<i>Shri M. Vish- vesariya Hall</i>	<i>Shri Siddharaj Jaisinh Hall</i>	<i>Total Men Students</i>	<i>Smt. Sarojini- Devi Hall</i>	<i>Smt. Hansa Mehta Hall</i>	<i>Pandita Gargi Hall</i>	<i>Kasturba Gandhi Hall</i>	<i>Total Women Students</i>	<i>Grand Total</i>
8	8	19	24	18	249	1	3	6	26	36	285
8	4	10	3	6	52	5	5	4	17	31	83
2	5	10	10	9	61	56	48	22	15	141	202
25	6	31	27	29	195	18	5	6	2	31	226
38	22	15	32	32	264	33	14	28	7	82	346
—	—	—	2	—	8	19	6	12	—	37	45
68	19	73	124	59	777	4	11	4	4	23	800
6	2	44	46	45	168	—	—	—	—	—	168
40	8	25	23	20	218	18	13	17	1	49	267
2	3	1	2	8	22	6	2	5	—	13	35
7	2	1	6	1	35	13	10	4	—	27	62
—	—	—	1	—	2	9	—	12	2	23	25
—	—	—	3	1	6	—	—	—	—	—	6
1	—	—	1	—	2	81	70	83	30	264	266
<b>205</b>	<b>79</b>	<b>229</b>	<b>304</b>	<b>228</b>	<b>2059</b>	<b>263</b>	<b>187</b>	<b>203</b>	<b>104</b>	<b>757</b>	<b>2816</b>