1. Eligibility and details about the M.Sc. programs

Eligibility:

- Minimum 48% is required in B.Sc for M.Sc. Admissions (for all subjects).
- The candidates with B.Sc. degree in Microbiology, Botany and Zoology are eligible and would be given first preference for M.Sc. admissions in Microbiology, Botany and Zoology, respectively. However, students, who have cleared B.Sc with Microbiology, Botany and Zoology as the second subject in S.Y. B.Sc. will also be considered for the admissions in Microbiology, Botany and Zoology, respectively, provided the seats are available/vacant.

Details:

- M.Sc. (Microbiology, Zoology, Botany and Biotechnology) is a 4 semester program. The course structure is CBCS-Based (Choice Based Credit System).
- The annual intake capacity in M.Sc. (Botany, Microbiology, Zoology) is 10 (Grant-in-aid) + 5 (Self-Financed) and for M.Sc (Biotechnology) the annual intake is 25 (all seats are Self Financed).
2. Fee structure for the M.Sc. programs

M.SC. GRANT IN AID SELF-FINANCED SEMESTER WISE FEE STRUCTURE FOR M.SC. MICROBIOLOGY, BOTANY, ZOOLOGY AND BIOTECHNOLOGY

<table>
<thead>
<tr>
<th>M.Sc.</th>
<th>Semester-I</th>
<th>Semester-II</th>
<th>Semester-III</th>
<th>Semester-IV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biotechnology</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>(ALL SEATS SELF-FINANCE)</td>
<td>27,965/-</td>
<td>27,345/-</td>
<td>27,345/-</td>
<td>27,345/-</td>
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<tr>
<td>*Available Seats 25</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Microbiology/Botany/Zoology</td>
<td>1,705 (MALE)</td>
<td>1,075 (MALE)</td>
<td>1,085 (MALE)</td>
<td>1,705 (MALE)</td>
</tr>
<tr>
<td>(GRANT-IN-AID)</td>
<td>1,105 (FEMALE)</td>
<td>475 (FEMALE)</td>
<td>485 (FEMALE)</td>
<td>475 (FEMALE)</td>
</tr>
<tr>
<td>*Available Seats 10</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(In Each Subject)</td>
<td>16,705 (MALE)</td>
<td>16,075 (MALE)</td>
<td>16,085 (MALE)</td>
<td>16,705 (MALE)</td>
</tr>
<tr>
<td>Microbiology/Botany/Zoology</td>
<td>16,105 (FEMALE)</td>
<td>15,475 (FEMALE)</td>
<td>15,485 (FEMALE)</td>
<td>15,475 (FEMALE)</td>
</tr>
<tr>
<td>(SELF-FINANCE)</td>
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<tr>
<td>*Available Seats 05</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>(In Each Subject)</td>
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3. Intake capacity of the program: Including the category wise reservation

Seat Distribution

<table>
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<tr>
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</thead>
<tbody>
<tr>
<td></td>
<td>15 (10 Grant-in-Aid and 5-SF)</td>
<td>15 (10 Grant-in-Aid and 5-SF)</td>
<td>15 (10 Grant-in-Aid and 5-SF)</td>
<td>25 (All SF)</td>
</tr>
<tr>
<td>SC (7 %)</td>
<td>SC (7 %)</td>
<td>SC (7 %)</td>
<td>SC (7 %)</td>
<td>SC (7 %)</td>
</tr>
<tr>
<td>ST (15 %)</td>
<td>ST (15 %)</td>
<td>ST (15 %)</td>
<td>ST (15 %)</td>
<td>ST (15 %)</td>
</tr>
<tr>
<td>SEBC (27%)</td>
<td>SEBC (27%)</td>
<td>SEBC (27%)</td>
<td>SEBC (27%)</td>
<td>SEBC (27%)</td>
</tr>
<tr>
<td>All other seats are in General Category for the students from Saurashtra University, Other universities of the Gujarat and Universities outside Gujarat</td>
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<td>All other seats are in General Category for the students from Saurashtra University, Other universities of the Gujarat and Universities outside Gujarat</td>
<td>All other seats are in General Category for the students from Saurashtra University, Other universities of the Gujarat and Universities outside Gujarat</td>
<td></td>
</tr>
</tbody>
</table>
Note:

1. There would be one seat for physically handicap in each discipline.
2. There would be two additional seats for the staff members of the Saurashtra University, one each from teaching and non-teaching category.
3. There would be one additional seat for each discipline for single girl child

4. Opportunities after the completion of the program

**M.Sc. Botany:**

- Teaching (School/College/University)
- Higher Education & Research
- Self Employment in Tissue culture and Plant based- Agro Industries, Forestry
- Competitive examinations for the administrative jobs
- Jobs related to biodiversity & environmental protection
- Jobs in Traditional Medicine based Pharmaceutical companies

**M.Sc. Zoology:**

- Teaching (School/College/University)
- Higher Education & Research, Jobs related to Forestry and wild life protection
- Job opportunities in fisheries.
- Competitive examinations for administrative jobs
- Jobs related to biodiversity & environmental protection
- Jobs in Zoological Survey of India, Jobs in Pharmaceutical Industries- Testing of the drugs and cell culturing

**M.Sc. Microbiology:**

- Teaching (School/College/University)
- Higher Education & Research
- Self Employment in Microbial based industries
- Competitive examinations for administrative jobs,
- Jobs in Pharmaceutical industries in Research & Development
- Jobs in Pharmaceutical industries in Quality Assurance
- Jobs in Agro, Pharmaceutical & other fermentation based industries in Research & Development
- Jobs related to the Pollution control & Environmental protection
- Jobs in Dairy Industries
- Jobs in hospitals and clinical care

3
M.Sc. Biotechnology:

- Teaching (School/College/University).
- Higher Education & Research,
- Self Employment in Microbial/plant/animal based industries
- Jobs based on animal/plant tissue culture
- Jobs in Pharmaceutical industries in Research & Development,
- Pollution Control and Animal Biotechnology- Animal Husbandry
- Jobs opportunities in dairy industries
- Jobs in Agro, Pharmaceutical & other fermentation based industries in Research & Development
- Jobs in hospitals and clinical care

5. The procedures of the entrance test and admission

The admissions to M.Sc. programs are based on the combined merit of Third Year B.Sc. Marks and Entrance Examination mark

6. Facilities in the Department

- Separate teaching laboratories for M.Sc. Semester-1, 2, 3 and 4 practicals for all the four disciplines
- Independent research laboratories for M.Sc. Dissertation, M. Phil dissertation and Ph.D. Research work for all the faculty members
- Independent sets of equipments and chemicals in all the teaching and research laboratories
- Computer laboratory exclusively for M.Sc. students: DST-FIST funded
- Central Equipment Room for all expensive and sophisticated equipments
- Separate independent building for the M.Sc. Biotechnology programme with all equipments, chemicals, computer and internet facilities
- The sophisticated equipments in the Central Equipment Room are freely available to all M.Sc., M. Phil, Ph.D. students including those from M.Sc. Biotechnology
- Independent computers and Free Internet facilities to all faculty members, non-teaching staff and administrative staff
- Computers and Free Internet as well as free Wi-Fi facilities to all faculty members, Non-Teaching staff, Ph.D., M. Phil and Ph.D. students
- Regular talks by the eminent guest faculty and esteemed personalities on varied subjects
- Bolero Jeep: The Field vehicle used by all teachers and students for the field work
- Animal House
- Huge Botanical Garden
- Drinking water- RO System facilities for the students and staff
- First-Aid Kits in Laboratories
- Various sophisticated teaching aids, such as LCD projectors, interactive boards, classroom pads to facilitate teaching
- Departmental library with Text and reference books and CDs
- Dissertation for M.Sc. students to generate research aptitude
- Educational Tour for M.Sc. Students to various industries, research institutions and different ecological zones
- Presentation of the M.Sc./M.Phil and Ph.D. research work in conferences/symposia held in the department and elsewhere