



Department of Biotechnology

Vigyan Bhawan Block – B: New Campus

Mohanlal Sukhadia University

Udaipur – 313039

M. Sc. Biotechnology Two Year (Four Semester) Post Graduate Course Session 2011-12

About the Department

Biotechnology has become an important area at all levels of teaching and learning in the recent past. During last decade the requirement of trained manpower in Biotechnology at Regional, National and Global levels has grown at an unprecedented rate. Sensing the wave of this fast emerging area and recognizing the capabilities and potential of this university, the Government of Rajasthan took initiative by introducing a Post-Graduate programme in Biotechnology in the year 1997 at this university. A three year B. Sc. Biotechnology course was introduced from the academic session 2005-06.

Started as an off-shoot of the Department of Botany, the Department of Biotechnology has now assumed an independent shape. From the academic session 2007-08 the department has been shifted into its newly constructed building VIGYAN BHAWAN – BLOCK 'B', University New Campus from its existing building at University College of Science. Separate UG and PG blocks have been constructed with modern furnishing and all necessary audio-visual aids. All necessary equipments are available in the department for effective practical training to students.

(A) Faculty

The Department is currently headed by Prof. S. D. Purohit as its Course Director. At present one Assistant Professor is working in the department. The faculty is also drawn from different departments of the University for teaching as well to provide the best quality of training. All the faculty members are accomplished teachers of high standing in their subjects.

(B) Facilities/ Laboratories

The laboratories of the department are fully equipped with latest state-of-the-art equipments and provide excellent infra-structure for imparting practical training to the students. The major equipments which are available in the department include:

Laminar Flow Clean Air Bench, Refrigerated Centrifuges, Spectrophotometer, Electrophoresis-system, Transilluminators, pH meters, PCR Machine, Ice-Flaking Machine, Speed Vac Sample Concentrator, Electrical Balances, Autoclaves, Deep Freezer, Refrigerators, BOD Incubator, Gel Rocker, Magnetic Stirrer/s, Water Baths, Dry Bath, Micropipettes and Distillation Units, Glass Bead Sterilizers, Ovens, Incubators, Membrane Filtration Unit, Gel Documentation System etc.

Library

The library in the Department owns a large collection of selected books and scientific literature. More than 3000 books are available for the students covering almost all the fields of Biotechnology.

M. Sc. Biotechnology Two Year (Four Semester) Post Graduate Course

The Course

The M. Sc. Biotechnology 2 years Post-Graduate (Semester Scheme) course is being offered by the Department of Biotechnology at Vigyan Bhawan – Block 'B': New Campus, Mohanlal Sukhadia University, Udaipur

Course Fees

The structure of fees for the candidates admitted against the seats with 'Normal Fees' is given in the University Information Bulletin (approx Rs. 3500/- p.a.). Students admitted against the 'Self Finance Seats' shall pay Rs. 20,000/- per semester in addition to 'Normal Fees'.

A. ADMISSION PROCEDURE

Admissions will be made strictly on Merit Basis but if, the number of applicants is more than three times of intake capacity, an Entrance Test will be conducted. For this, the date and time will be notified later on. Admissions will be made through personal counseling in any case.

B. APPLICATION FORM AND ITS SUBMISSION

1. Each candidate seeking admission in M. Sc. Biotechnology Two Years (semester scheme) Degree course will have to fill up online application form (**visit www.mlsu.ac.in**) w.e.f. 15.06.2011 .
2. If Entrance Test is held then the candidates have to pay an additional sum of Rs. 500/- (Rs. 250/- for SC/ST Candidates) towards Entrance Test Fees.
3. The candidate should send their Application forms completed in all respect by hand or Registered Post so as to reach this office on or before **24.06.2011 (upto 5.00 p.m.)**. The Application Form must accompany the attested photocopy of the qualifying examination (if result is declared).
4. Incomplete Application Forms and Forms received after last date and time will be rejected.

C. ELIGIBILITY

Students passing B. Sc. Three Year Degree Course and having secured a minimum of 50% marks in aggregate will be eligible for admission in M. Sc. Biotechnology Course. Candidates from outside the state of Rajasthan seeking admission in this course will be eligible only if they have secured a minimum of 60% (I Division) marks. Candidates who have appeared in the qualifying examination and their result is awaited, may appear in the Entrance Test on their own risk. They must submit a copy of the mark-sheet to this office before the declaration of result of the Entrance Test. Only those candidates are eligible for admission who have studied ANY TWO of the following subjects for at least two years at under graduate level:

Botany, Zoology, Chemistry, Microbiology, Biochemistry, Environmental Biology and Biotechnology.

Candidates belonging to SC/ST/OBC categories will be eligible for admission on the minimum pass marks. Candidates appearing in Supplementary Examination of the qualifying examination will not be eligible for admission. Candidates who have studied Three Year Biotechnology, Microbiology or Biochemistry (integrated) course are also eligible.

D. RESERVATION OF SEATS

The reservations of seats will be made in accordance with the statutory provisions made by the Government of Rajasthan for various categories. As per the existing provisions the reservations of seats shall be made as per the following:

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| 1. | Candidates belonging to SC category | 16% |
| 2. | Candidates belonging to ST category | 12% |
| 3. | Candidates belonging to OBC category | 21% |
| 4. | Candidates belonging to Physically Handicapped category | 03% |

- (a) Candidates belonging to SC/ ST/ OBC shall be required to produce a certificate from a District Magistrate/ SDM/ Tehsildar to claim the reservation benefit.
- (b) In case of non-availability of the candidates from Reservation Category the vacant seats shall be filled by General Category candidates as per the rules. In case of Physically Handicapped candidates they will produce a Medical Certificate indicating at least 40% disability by a doctor not less than a Reader in a Medical College or by a Junior Specialist/ CMHO where there is no Medical College.

E. SCHEME OF ENTRANCE TEST (If conducted as per para A above)

The date and time for the Entrance Test for admission to M. Sc. Biotechnology (Two year semester scheme) course will be notified later if such test is necessitated in view of the number of applicants is more than three times the intake capacity.

The duration of the test will be 2 hours. The test paper will contain 100 Multiple Choice questions.

Note: There will be no negative marking.

F. SYLLABUS

As such there is no prescribed syllabus for the Entrance Test. The questions will be asked from the subjects like Botany, Zoology, Chemistry, Microbiology, Biochemistry, Environmental Biology and Biotechnology studied by the candidates at Under-Graduate level in all the three years.

G. METHOD OF EXAMINATION

Marking of answer on OMR sheets.

1. The candidates will be required to mark their answers on OMR sheets (Optically Marked Response Sheet) by blackening the appropriate bubbles with the help of HB pencil.
2. The candidates are advised to acquaint themselves with the method of marking answers with the help of a sample sheet which will be sent by this office along with the Hall Ticket.
3. Each candidate will bring HB Pencil and an Eraser during the Entrance Test. They are advised to avoid smudging of the response on the OMR sheet in order to avoid complications during computer processing of the sheet.
4. The candidate should go through the instructions given on the Test Booklet to be provided at the time of Entrance Test before attempting to answer the questions.
5. Change in answer on OMR sheet if necessary should be done by properly erasing the wrong answer marked in the bubbles.

H. ALTERNATE ADMISSION PROCEDURE (If admissions are made through entrance test)

1. Those candidates who fulfill minimum eligibility conditions as laid down by the University and who have appeared in the Entrance Test will be considered for admission in M. Sc. Biotechnology Course.
2. Candidates will be admitted in the course by providing 50% weightage to the marks obtained in Entrance Test while 50% weightage will be given to the marks obtained in optional theory papers only (excluding marks obtained in practicals) at graduation level examination.
3. Categorywise merit list will be prepared and results will be declared. Admissions will be made through personal counselling. Fees will be deposited on the spot on the day of counselling.

Contact

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