

41

~~ORDINANCE~~ ORDINANCE NO. 96

MASTER OF SCIENCE (BIOTECHNOLOGY) EXAMINATION

01. The examination of the degree of Master of Science in Biotechnology, hereafter called M.Sc. Biotech., shall consist of four semesters, each spanning a duration of 6-month.
02. Admission to M.Sc. Biotechnology Programme:
 - (a) A candidate who after obtaining a degree of Bachelor of Science (10+2+3 scheme) of this University or an examination of any statutory University in India which has been recognized by the University as equivalent to the B.Sc. degree of this University and completed a regular course of study for the academic year in a teaching department of the University or in a college affiliated to the University shall be admitted to the 1st Semester examination for the degree of M.Sc. Biotech. provided he/she has a 3-paper combination from any of the following papers: Botany, Zoology, Microbiology, Chemistry with (in Botany/Zoology/Microbiology) or without honours. In addition, the candidate must have secured at least 50% marks in aggregate in the qualifying degree. However, 45% marks in aggregate is permissible in case of SC/ST candidates.
 - (b) The total intake to M.Sc. Biotech. will be 10 as per specifications given below: Category A: 2 seats for the candidates selected on the basis of merit as judged by the scores obtained by them on academic achievements/written entrance test/interview etc. Category B: 8 seats for candidates selected on the next merit order following above category on the basis of evaluation as done above under: SELF FINANCING SCHEME.
 - (c) Reservation policy as specified by the Govt of NP will be applicable, but shall be separate for different categories. However, there shall be no relaxation on fees for the course.
 - (d) In all matters concerning admission the decision of the concerned University authority shall be final. However, an appeal can be made to the Vice-Chancellor of this University, whose decision thereafter shall be final. All legal matters in this regard shall be subject to the jurisdiction of Raipur, M.P.

42

~~4.9~~ In case the candidate secures 31% in all the papers but does not ~~qualify in a secure 50% in aggregate then he/she has~~ the option to select theory papers for ~~improving the~~ ^{required percentage} of marks

43. Course structure and examination system:

- (a) Each semester shall have four theory papers (written) of 100 marks each.
- (b) Each semester shall have four practicals of 50 marks each.
- (c) Each of the written examination paper shall be evaluated either by an external or an internal examiner. However, in a given time 50% of all the written papers shall be examined by an external examiner.
- (d) Each practical examination shall be evaluated by two examiners, one internal and one external.
- (e) For passing M.Sc. Biotech. a candidate has to secure at least 50% marks in aggregate and a minimum of 36% marks in each of the written theory papers as well as practical examinations.
- (f) If in any given semester a candidate does not fulfill the above criteria for passing the semester, he/she shall be allowed to move into the next semester and to reappear only once in the papers ~~where~~ he/she has failed. ~~Candidate unsuccessful at Semester I and II shall be allowed to reappear at the time of examination of Semester III and IV respectively and vice versa. He/She shall be declared failed, if does not secure the requisite pass marks even after given the chance to reappear.~~ in which
- (g) The English language shall be the medium of instruction, test and examination.
- (h) The schedule of the examinations for the semester courses shall be finalized by the head of the department. No special examinations for the back log papers shall be held.
- i) The division in which a candidate is placed shall be determined on the basis of the aggregate marks obtained in total of all the four semesters. No division shall be assigned individually on the basis of the results in each semester.
- j) A candidate shall be placed in First division if he/she secures 60% or above in aggregate or in Second division if secures less than 60% but not less than 50%. There shall be no third division.

4. Attendance:

candidate shall not be allowed to appear at the semester examinations unless he/she has:

- a) attended at least 75% of the lectures delivered in each paper and practicals conducted in the laboratory. Head of the department may condone attendance deficiency upto 10% in genuine cases.

(STRUCTURE OF CURRICULUM)

THEORY PAPER	MAXIMUM MARKS	
	THEORY	PRACTICAL
SEMESTER I:		
1. Basic Microbiology	100	50
2. Biochemistry-I: Chemistry of Cell Constituents	100	50
3. Molecular Genetics	100	50
4. Biostatistics & Computer Applications	100	50
SEMESTER II:		
1. Biochemistry-II: Intermediary Metabolism	100	50
2. Molecular Biology	100	50
3. Environmental Biology	100	50
4. Instrumentation	100	50
SEMESTER III:		
1. Immunology	100	50
2. Genetic Engineering	100	50
3. Biochemical Engineering	100	50
4. Medical Biotechnology	100	50
SEMESTER IV:		
1. Plant Cell & Tissue Culture	100	50
2. Microbial Biotechnology	100	50
3. Seed Technology	100	50
4. Environmental Management & Engineering.	100	50

Note : 1. Syllabus for practicals would be submitted later.

