

***ORDINANCE - MASTER OF SCIENCE (M.Sc.) EXAMINATION
(SEMESTER SYSTEM)**

1.1 The duration of the course leading to the Degree of M.Sc. examination shall be two academic years. Each year shall be divided into two Semesters, i.e. July to December and January to June. There shall be actual teaching for a minimum of 90 days in each Semester excluding admission, preparation and examination days. The examination for the First and Third Semesters shall ordinarily be held in the month of December/January and for the Second and Fourth Semesters in the month of May/June, on such dates as may be fixed by the Vice-Chancellor and notified by the Controller of Examinations.

1.2€ Supplementary examination of Re-appear candidates of each semester will be held in December/January and May/June simultaneously with the main examination of Odd and Even Semesters.

The dates of examinations shall be as fixed by the Vice-Chancellor and notified by the Controller of Examinations.

Re-appear examinations will also be held in the semester in which such a candidate applies for examination irrespective of the fact that regular paper for that semester may not be available at that point of time.

2. The examination for the degree of Master of Science (M.Sc.) shall be held in the following subjects:-

1. **Chemistry**
2. **Mathematics**
3. **Physics**
4. **Biotechnology**
5. **Pharmaceutical Chemistry**
6. ** **Microbiology**
- 7.€ **Botany**

In addition to above, more subjects with relevant provisions can be added with the approval of the Vice-Chancellor.

3. A person who has passed one of the following examinations of the University, or an examination recognised as equivalent thereto, shall be eligible to join the first semester of M.Sc. course in the subject concerned:-

(i) B.Sc.(Hons) in concerned subject with at least 50% marks in aggregate from any recognized University.

Or

(ii) B.Sc. in full subjects with (Hons) in concerned subject, obtaining at

least 50% marks in aggregate of Hons. examination from any recognized University.

Or

(iii) B.Sc. with concerned subject securing at least 50% marks in aggregate from any recognized University.

Or

(iv) BA with Mathematics as one of the main subjects (**for M.Sc. Mathematics only**) securing at least 50% marks in aggregate from any recognized University.

Chemistry will be considered as the concerned subject for admission to M.Sc. Pharmaceutical Chemistry.

(A) FOR M.Sc. BIOTECHNOLOGY COURSE:

50% marks in aggregate in B.Sc. Biotechnology or equivalent degree in the discipline of Engg./Medical/Dental/Pharmacy/Nursing **or** B.Sc. in any branches of Sciences. Preference will be given to the candidates with B.Sc. Biotechnology, Chemistry and Biological Sciences from any recognized University. Non-medical students will also have to undergone a pre-requisite course in the discipline to be arranged by the University.

(B) For M.Sc. (Microbiology):**

50% marks in aggregate in Bachelor's degree with any of the subjects of Microbiology, Biotechnology, Zoology, Botany, Food Technology, Biochemistry, Medical or Pharmacy from any recognized University.

(C) € For Botany:-

Candidates must have a recognized undergraduate degree in B.Sc. or equivalent examination with Biology as one of the subjects from a recognized University with atleast 50% marks in aggregate or equivalent CGPA (45% in the case of reserved category).

4. The First/Second/Third/Fourth Semester Examinations shall be open to a regular student who :-

- (i) has passed the requisite qualifying examination as laid down in Clause 3 above, if he/she is a candidate for the First Semester examination, or, has passed the preceding semester examination if he/she is a candidate for the Second/Third/Fourth Semester examination. This is, however, subject to Clause 8 below;
- (ii) has his/her name submitted to the Controller of Examinations by the Heads of the concerned departments and produces the following certificates signed by the Head of the department:-
 - (a) of a good character;
 - (b) of having remained on the rolls of the concerned departments for the semester preceding the examinations;
 - (c) of having attended not less than 75% of the full course of lectures delivered in each paper (the course to be counted upto the last day when the classes break up for preparatory holidays i.e. 7 days before the commencement of the examination).

A deficiency of lectures upto 10% may be condoned by the Head of the department concerned in exceptional cases on reasonable grounds.

Explanation:

For the purpose of counting of last date when the classes shall disperse for the preparatory holidays, first day of the commencement of any semester examination will apply to all semester examinations and all semester classes will have preparatory holidays from the same date i.e. 7 days before the date of commencement of examination.

- 5.1 40% marks in each theory paper shall be assigned for Internal Assessment/Sessional and 60% marks in each paper for end-term examination shall be reserved. However, for Practical courses 60% marks shall be reserved for internal assessment and 40% marks for end term examination.

Sessional:- Sessional work to be evaluated by the teachers concerned based on the work done during the semester on the basis of the following weightages:-

I For Theory Subjects:

(i)	Class test (Two best of three)	40%
(ii)	Class Attendance (Lectures/Tutorial) (Marks will be awarded proportionate to attendance)	40%
(iii)	Class Work	20%

II For Practical/Project Courses:

(i)	Viva-Voce/Test	20%
(ii)	Laboratory Record	20%
(iii)	Class Attendance (Marks will be awarded proportionate to attendance)	40%
(iv)	Class work	20%

For seminar courses the marks will be awarded by the teacher Incharge of the seminar and for comprehensive viva-voce, the marks will be awarded by a committee of three teachers including Head of the Department.

The marks in the Sessional work shall be awarded by the teachers concerned and countersigned by the Head of the Institute/College and the same be forwarded to the Controller of Examinations of the University one week before the commencement of examination of theory papers of the concerned semester.

- 5.2 The candidate is required to obtain Pass Marks in each of the Theory and Practical Papers in aggregate of the external and internal assessment/sessionals subject to obtaining pass marks separately in each paper of external examinations. The internal assessment award of any candidate who fails in one or more papers of any semester examination shall be carried forward to the next examination. He/she will, however, be allowed to improve his/her marks of Sessional examinations at the time of appearing in the Re-appear Paper(s).
- 5.3 The Head of the Department shall preserve the record of Internal Assessment, for inspection, if needed by the University, upto 6 months from the date of declaration of the results.
6. Every candidate shall be examined according to the Scheme of Examination and Syllabus as approved by the Academic Council from time to time. A candidate who fails in an examination, or, having been eligible, fails to appear in an examination shall take the examination according to the Syllabus prescribed by the University for regular students appearing for that examination.
7. The question papers will be set and answer-books examined by the External examiner(s).

8. A candidate who has completed the prescribed course of instruction in the Department for any semester examination but does not appear in it, or, having appeared fails, may be allowed on the recommendation of the Head of the Department, to appear/re-appear, as the case may be, in the semester examination/paper(s) only twice, without attending a fresh course of instruction, at the Supplementary Examinations as specified in Clause 1.2 above.

While re-appearing in the examination, the candidate shall be exempted from re-appearing in the Paper(s) and/or Practical(s) in which he has obtained at least 40% marks separately for Theory paper(s) in internal assessment.

9. A candidate who has appeared and failed in one or more paper(s) of the First Semester shall be allowed to study for and appear in the Second Semester. He/she shall, however, be allowed promotion to the Third Semester Examination provisionally only if he/she earns exemption in at least 50% papers of both the First and Second Semester Examination taken together.
10. A candidate who fails to pass all the four semester examinations within a period of four years of his/her admission to the first Semester of M.Sc. course shall have to repeat the course de novo.
11. The amount of examination fee to be paid by a regular/re-appear candidate for each semester shall be the same as prescribed by the University from time to time.
12. The medium of instruction and examination shall be English.
13. The pass marks for passing any Semester Examination shall be:-
- (i) 40% in each written paper.
 - (ii) 40% in the aggregate of sessional marks and examination marks for each theory subject.
 - (iii) 40% in each practical examination and viva-voce examination.
 - (iv) 40% in aggregate of sessional marks and examination marks for each practical subject.

Provided that a candidate, who fails to obtain the requisite marks in aggregate of Sessional and Examination marks as provided in 13 (ii) & 13 (iv) above, shall be required to re-appear in the examination in the concerned subject in the subsequent examination (s) subject to Clause 10. Such a candidate will be required to repeat the Sessional Work also.

14. **CREDIT-BASED SYSTEM OF EVALUATION:**

Credit - based system followed in the University in order to determine the division & performance of a candidate will be as under:-

i) **CREDIT COUNTS:-**

All courses would have a credit count and teaching of subjects would be reckoned in terms of Credits. The number of credits of a course shall ordinarily be calculated as under:

- (a) **LECTURES/TUTORIALS:** One Lecture per week shall be assigned One Credit. For one Tutorial period per week, HALF a credit is to be assigned.

- (b) **PRACTICALS:** One lab period per week shall be assigned HALF a credit.
- (c) **SEMINAR** (Except M.Sc. Mathematics) : one credit.

GRADING:-

The Academic Performance of a student shall be graded on a **TEN-POINT SCALE**. The award of Grades based upon the marks obtained out of 100 shall be made as follows:

€ Marks		Grade
86-100	-	O
76-85	-	A+
66-75	-	A
56-65	-	B+
50-55	-	B

- ii) Letter grade will be awarded to the candidates. Each letter grade indicates the level of performance in the course and has a grade point for purpose of computing the **Semester Grade Point Average (SGPA) / Cumulative Grade Point Average (CGPA)** as given below:

€ Letter Grade	Performance	Grade Point
O	Outstanding	10
A+	Excellent	9
A	Very Good	8
B+	Good	7
B	Pass	6
F	Fail (required to re-appear in the exam.)	
Ab	Absent	

SGPA:- indicates the performance of the student in the current semester and is computed as below:

SGPA=Grade points earned in the current semester/total credits in the semester.

CGPA:-

It indicates the performance of a student since his/her entry into the course including the current semester.

CGPA is the weighted average of all the grades awarded to a student since his entry into the University upto and including the latest Semester and computed as follows :-

$$\text{CGPA} = \frac{\sum C_i G_i}{\sum C_i}$$

= Total Grade Points earned since his entry/total credits

Where C_i denotes credits assigned to the i^{th} course and G_i indicates the grade point equivalent to the letter grade obtained by the candidate in the i^{th} Course.

iii) The division obtained by each student is classified on the following basis:

Division	C.G.P.A.
(a) First with Distinction	8.0 or more
(b) First	6.75 or more but less than 8.0
(c) Second	Below 6.75

(iv)€ The following conversion formula will be used for calculating the percentage of marks from CGPA:

$$\text{Percentage of marks obtained by a student} = (9.0 \times \text{C.G.P.A.})$$

15. After the termination of examination, the Controller of Examinations shall publish the result of the candidates and issue Detailed Marks Cards as expeditiously as possible.

16.£ A candidate who has passed the above course of this university and is desirous of improving his performance will be allowed to appear as an ex-student in these examinations twice within a period of five years of his passing the examination. Such a candidate in the first instance shall be required to intimate all the paper (s) in which he would like to improve his performance. He will then appear in the respective one or more theory paper(s) at the Previous and /or Final examination simultaneously in the main as well as in the supplementary examination. If he does not improve his performance, he shall be eligible to do so in the following year(s) which would be treated as his second chance..

The result of such a candidate shall be declared only if he improves his performance in the aggregate of the whole examination by taking into account the marks obtained by him in the paper(s) in which he re-appears and the marks obtained by him earlier in the remaining paper(s) etc. The fact that the candidate has improved the performance shall be mentioned in the Detailed Marks Certificate.

Such candidates will take the examination according to the syllabus inforce for the regular students in that academic session in which he proposes to take the examination for the purpose of improving his performance

17. Notwithstanding the integrated nature of this course, which is spread over two academic years, the Ordinance in force at the time a student joins the course shall hold good only for the examination held during or at the end of the academic year and nothing in this Ordinance shall be deemed to debar the University from amending the Ordinance and the amended Ordinance, if any, shall apply to all the students whether old or new.

*Approved by the AC vide Res. No. 8(12) dated 05.04.2010 and BOM vide Res. No. 4(12) dated 13.04.2010

£Approved by the AC vide Res. No. 20 dated 29-11-2010 and BOM Res. No. 6 dated 19-2-2011

@Approved by the AC vide Res. No. 19 dated 29-11-2010 and BOM and Res. No. 5 dated 19-2-2011.

**Approved by the AC vide Res. No. 3 dated 25-10-2012 and BOM Res. No. 4 dated 18-1-2013

€ Approved by the AC vide Res. No. 16 dated 3-11-2016 and BOM vide Res. No. 9 dated 13-2-2017