

ORDINANCE

MASTER OF SCIENCES

IN

Biochemistry

Clinical Biochemistry



Department of Biochemistry
Maharshi Dayanand University
Rohtak-124001 Haryana

ORDINANCE

TWO YEAR MASTER OF SCIENCES

IN

Biochemistry/Clinical Biochemistry

1.
 - i) The duration of the course leading to the degree Master of Sciences in Biochemistry, Clinical Biochemistry shall be of two academic years. Each year shall be divided into two semesters. The Examination for the first and the third semesters shall ordinarily be held in the month of December/January and for the second and the fourth semesters in the month of May/June or on such dates as may be fixed by the University.
 - ii) A supplementary examination for the first and the third semester shall be held along with their regular first and third semester examinations in December/January and for the second and fourth semester examinations along with their regular second and fourth semester examinations which will be held ordinarily during the month of May/June.
 - iii) A special examination may be held in the month of December/January for candidates who have failed/or failed to appear in fourth semester examination held in May/June.
2. The date of Commencement of examination as well as last date for the receipt of examination forms & fee as fixed by the University, shall be notified by the COE/Registrar at least two weeks before the commencement of the examination in each semester.
3. Examination forms shall be forwarded to the Registrar as per the schedule of the examination to be notified by the COE Registrar.
4. Admission eligibility in first semester will be as below:

(A) Biochemistry

B.Sc. (Hons.) in Biochemistry/Biotechnology, or, Bachelor degree in Pharmacy/HomeScience/Agriculture/Veterinary Science, or, B.Sc. (Pass) with any of the three subjects, viz., Botany, Zoology, Chemistry, Microbiology, Genetics, Environmental Science, Medical Biochemistry, Biotechnology, Biochemical Engineering, Fermentation

Technology, Food Processing, Industrial Chemistry, Applied Hematology and Industrial Microbiology (out of the three subjects, atleast one should be related to Biology) with at least 50% marks in aggregate, or, any other examination recognized by M..D. University, Rohtak. (Relaxation will be given for Students belonging to SC/ST category as per state/University norms).

(B) Clinical Biochemistry

B.Sc. (Hons.) in Biochemistry/Biotechnology, or, Bachelor degree in Pharmacy/Clinical Biochemistry/Nursing/ Veterinary Science, or, B.Sc. (Pass) with any of the three subjects, viz., Botany, Zoology, Chemistry, Microbiology, Genetics, Environmental Science, Medical Biochemistry, Biotechnology, Biochemical Engineering, Fermentation Technology, Food Processing, Medical Laboratory Technology, Industrial Chemistry, Applied Hematology and Industrial Microbiology (out of the three subjects, atleast one should be related to Biology) with atleast 50% marks in aggregate or any other examination recognized by M..D. University, Rohtak as equivalent thereto. (Relaxation will be given for Students belonging to SC/ST category as per state/University norms).

5. (i) There shall be 80% marks for theory and 20% marks for Internal Assessment.

The Internal assessment marks will be distributed as according to the following guidelines:

1) One Class Test/Assignment and Presentation	10 marks
2) Students conduct, Behavior & Sincerity	5 marks
3) Attendance	5 marks
Less than 65%	0 marks
65% to 70%	2 marks
71% to 75%	3 marks
76% to 80%	4 marks
Above 80%	5 marks

If the candidate is awarded Internal Assessment of more than 80% or less than 45%, in both cases, the concerned teacher will give specific justification for the same, which shall be considered by a committee chaired by the concerned Head of the University Teaching Department.

- (ii) The Schedule of class test and presentation of the assignments etc. will be finalized by teacher concerned and shall be notified to the students with intimation of Head

of the Department. However, Internal Assessment shall be made by the teacher teaching the subject. A student who fails to appear in the class test or present the assignment on the scheduled date due to some emergency one ore chance may be given to such students.

- (iii) The candidate will have to pass in theory papers and Internal Assessment separately.
 - (iv) The Internal Assessment awards of a candidate who fails in any semester/paper(s) shall be carried forward to the next examination.
 - (v) Candidate(s) who has not obtained pass marks in the Internal Assessment in any paper(s) will be provided an opportunity to appear before the Committee of Examiners, to be constituted by the Head of the concerned Department, to re-assess performance of the candidate (within three months of the declaration of result and receipt of the request of the candidate concerned), corresponding to schedule given for supplementary examinations and the Internal Assessment given by the committee shall be final.
 - (vi) The HOD shall forward the Internal Assessment marks awarded to the students to the Controller of Examinations at least one week before the commencement of the semester examination.
 - (vii) The HOD will preserve the records on the basis of which the, Internal Assessment awards have been prepared for inspection, if needed by the University up to one month from the date of declaration of the semester examination results.
6. The candidate will be allowed to appear in the first and second semester examination if he/she meets the following requirements:
- (i) Bears a good character.
 - (ii) has been on the rolls of the Department during the first semester;
 - (iii) has attended **not less than 75% of lectures** delivered in theory as well as in practical's. Relaxation in shortage of lectures upto 20% will be allowed by head of department on genuine grounds.
 - (iv) has obtained **pass marks in the internal assessment** in each paper of the semester.

7. The third and fourth semester examinations, of the concerned Programme, shall be open to a regular student who:

- (i) has been on the rolls of the department during the semester preceding the respective semester examination;
- (ii) has attended not less than 75% of lectures of each paper/course (individually) in the respective semester; failing which he/she will be not be allowed to appear in the paper(s)/course(s) concerned. Relaxation in shortage of lectures upto 20% will be allowed by head of department on genuine grounds
- (iii) has obtained at least 45% marks in the internal assessment in the papers of the relevant semester of which he/she is a candidate;
- (iv) has passed at least 50% of the papers in the preceding semester (semester 1 and 2) examination;
- (v) has not taken any other course during proceeding/setup Semester, if any.

NOTE:

- (i) The HOD of the concerned department will submit a list of students who fulfill the requirements of Clause 6/8 of the Ordinance immediately after the dispersal of classes to the Controller of Examinations, M.D.University, Rohtak, indicating the names, Roll Nos. of candidates and paper(s) in which they are short of attendance.
- (ii) The candidate(s) who fall short of attendance till the dispersal of classes in any paper(s) and he/she appears in those paper(s) will be declared fail in such paper(s).

8. A candidate who has been admitted to any semester but **fails to attend classes in any paper/course continuously for 15 days** will be treated as absent and his/her name will be treated as struck off automatically. He/she will be allowed re-admission by the Vice-Chancellor on the recommendation of the Head of the Department of Biochemistry on payment of Rs.1000.00 as re-admission fee.

9. The medium of instruction and examination for all the above mentioned programmes shall be English.
10. The minimum percentage of marks to pass the examination in each semester shall be :-
 - a) 45% in each written paper and internal assessment/ practical's separately.
 - b) 45% in Dissertation and Viva-Voca separately.
 - c) 45% in the total of each semester examination.
11. The amount of examination fee to be paid by the candidate for each semester shall be as per the decision of the University from time to time.
12. (i) A candidate shall be promoted to the next higher semester if he/she passes at least 50% of the papers prescribed in each of the preceding semester examination.

OR

2/3 of the papers of preceding semester examinations taken together.

Provided that a candidate shall not be allowed to attend classes in any semester unless he has fulfilled the above requirements of the previous semester (S).

Provided further that a candidate who has paid dues for the higher class and is dropped for want of fulfillment of any of the above conditions shall not be required to pay the dues again on re-admission after fulfillment of above conditions.

EXPLANATION: 50% of five papers will be taken as two and that of seven papers as three and that of nine papers as four under this Clause.

- (ii) A candidate shall have to pass all the four semester examinations within a maximum period of five years of his/her admission to the first semester of 2-Year M.Sc. Biochemistry/Clinical Biochemistry program failing which he/she will be deemed to be unfit for the programme, and however if the candidate taken admission in any other course during intervening period shall not be eligible for admission in next semester.
13. A candidate, who having passed the second semester examination discontinues his

studies, for legitimate and justified reasons may be permitted to join third semester within two years of his passing the second semester examination, however he or she has to file an affidavit that he/she has not taken admission in any other course.

14. (i) The Internal Assessment awards of a candidate who fails in any semester examination shall be carried forward to the next examination.
(ii) A candidate who has not obtained pass marks in the Internal Assessment for any paper(s) will not be allowed to take examination in the said paper(s) in the relevant semester unless he repeats the course in paper(s) concerned and obtains the minimum pass marks in the Internal Assessment.
15. (i) The topic of the dissertation report and the faculty under which a student will have to complete the **dissertation shall be decided by completely random lottery draw system**. This draw should be held within the first month of the third semester itself.
(ii) The candidate shall be required to submit two copies of his/her Dissertation report. The last date for receipt of dissertation report in the office of the Controller of Examinations shall be 15th April. Provided that in exceptional cases, the Vice Chancellor may, on the recommendation of the Head of department of Biochemistry, extend the last date of receipt of the Dissertation report with late fee, as prescribed by the University from time to time.
(iii) The written part of Dissertation report shall account for 70% of marks and the viva-voce to be conducted by a duly constituted Board of Examiners for the remaining 30% of marks, as specified in the Scheme of Examinations.

Dissertation Report

Performance Evaluation Parameter	Score
Writing Quality	15%
Novelty/Scientific Significance of Aim	15%
Project Design	15%
Publication Potential	15%
Aim-Results Concurrence	10%

(iv) The Viva-voce of the Dissertation report shall be conducted by the following board of examiners:

- a) HOD of the concerned department or internal faculty member as its nominee
- b) One external examiner (to be appointed by the Vice-Chancellor out of the panel approved by the PGBOS)

(v) The Project Report /Training Report shall be evaluated jointly by the external and the internal examiners. If the difference in the awards is up to 30% of the maximum marks, the average of the two shall be taken as final award. If the difference between the external and internal examiners is more than 30% of the maximum marks, the appointment of the third examiner shall be made by the Vice-Chancellor on the recommendation of the PG Board of Studies in Biochemistry. The final award shall be the average of the three examiners.

(vi) The marks obtained by the candidate for the Dissertation report shall be taken into account when he appears in any future examination under re-appear clause.

16. (a) The viva-voce, wherever specified in the scheme of examinations shall be conducted by a Board of Examiners to be appointed by the Vice-Chancellor on the recommendation of the PG Board of Studies in the department of Biochemistry consisting of the three members; -

(I) HOD of the concerned department or internal faculty member as his/her nominee.

(II) An External Examiner from the Academic field.

(b) The marks obtained by the candidate for the viva-voce shall be taken into account when he appears in any future examination under re-appear clause.

17. The practical examination(s) of the courses specified in the scheme of examination shall be conducted by the following Board of Examiners, consisting of two members, to

be appointed by the Vice-Chancellor on the recommendation of the PG Board of Studies in the department of Biochemistry..

- (i) One internal faculty member (to be appointed by the HOD Biochemistry and
- (ii) One External Examiner

- 18. As soon as possible, after the termination of the examination the Controller of Examination shall publish a list of candidates who have passed the Semester Examination.
- 19. Each successful candidate shall receive a copy of the detailed marks card on having passed the Semester Examination.
- 20. The list of successful candidates after the fourth semester examination shall be arranged as under in two divisions on the basis of the aggregate marks obtained in the first, second, third and fourth semester examinations taken together, and the division obtained by the candidate will be stated in his degree.

DIVISION:

- a) Those who obtain 50% marks but less than 60% marks-**SECOND DIVISION**;
 - b) Those who obtain 60% marks or more marks-**FIRST DIVISION**;
 - c) Those that obtain a score between 75% and 85% in the aggregate shall be declared to have passed with **DISTINCTION**
 - d) Those that obtain a score above 85% in the aggregate shall be declared to have passed with **OUTSTANDING PERFORMANCE**
- 21. There will be no improvement facilities available to M.Sc. students. However, grace marks will be allowed as per University rules.
 - 22. The students enrolled in Biochemistry/Clinical Biochemistry will have the option to select any open elective/program elective paper either in same or in any other department of life science.

23. Notwithstanding the integrated nature of this course which is spread over more than one academic year and the Ordinance in force at 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.