

TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY,
69, ANNA SALAI, GUINDY,
CHENNAI - 600 032.



(Post - Graduate Degree Course Under Allied Health Science)

Regulations

FOR

M.Sc., (MEDICAL LABORATORY TECHNOLOGY)

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY, CHENNAI

REGULATIONS OF THE UNIVERSITY

In exercise of the powers conferred by Section 44 of the Tamil Nadu Dr.M.G.R.Medical University, Chennai Act 1987 (Tamil Nadu Act 37 of 1987) the Standing Academic Board of the Tamil Nadu Dr.M.G.R.Medical University, Chennai hereby makes the following regulations:-

1. SHORT TITLE AND COMMENCEMENT:-

These regulations shall be called as “THE REGULATIONS FOR THE MASTER OF SCIENCE (MEDICAL LABORATORY TECHNOLOGY) OF THE TAMIL NADU Dr. MGR MEDICAL UNIVERSITY, CHENNAI”.

They shall come into force from the academic year 2011-2012 onwards.

The Regulations and the Syllabus framed are subject to modification by the Standing Academic Board from time to time.

2. OBJECTIVES: -

To provide an extensive training in the fields of Biochemistry, Microbiology and Pathology to the students to enable them to supervise the entire laboratory.

3. ELIGIBILITY CRITERIA:-

Academic 2011 -2012

Candidates have a degree in B.Sc. Medical Laboratory Technology (MLT), B.Sc., Biochemistry, B.Sc. Microbiology.

The following Eligibility Criteria will be implemented from Academic 2016 – 2017 onwards.

B.Sc. Chemistry (with ancillary subject of Biochemistry and Microbiology)
B.Sc. Microbiology, B.Sc. Biochemistry and Bsc. (MLT)

B.Sc. (Bio- Technology) Degree course as an Eligibility Criteria from the a.y.2017-2018 – (approved in 54th SAB)

4. ELIGIBILITY CERTIFICATE:

Candidates who have passed any qualifying examination, as specified in Regulation No.3 above from any other Universities other than the Tamil Nadu Dr. M.G.R. Medical University before seeking admission to the affiliated institutions shall obtain an Eligibility Certificate from the University by remitting the prescribed fees along with the application form which shall be downloaded from the University website (www.tnmgrmu.ac.in).

5. REGISTRATION:

A candidate admitted to the Post Graduate Degree in Medical Laboratory Technology in any one of the affiliated institutions of this University shall register his/ her name with this University by submitting the prescribed application form for registration duly filled along with the prescribed fee and a declaration in the format to the Controller of Examinations of this University through the affiliated institution within 3 Months from the cut off date prescribed for the course for admission. The applications should have the date of admission to the said course.

6. DURATION OF THE COURSE:

The duration of certified study for the M..Sc (Medical Laboratory Technology) DEGREE COURSE UNDER ALLIED HEALTH SCIENCES shall be TWO academic years including period of examination. The admitted candidates should complete the course within double the duration (4 years) from the date of joining the course.

7. AGE LIMIT FOR ADMISSION :-

No Upper age limit for Admission

8. CUT OFF DATES FOR ADMISSION TO THE COURSE

Candidates admitted up to 1st September to 30th September shall be registered to take up their first year examination from April / October of the next year, after fulfillment of the regulations.

All kinds of admissions shall be completed on or before 30th September of the academic year. There shall not be any admissions after 30th September even if seats are vacant.

9.COMMENCEMENT OF THE COURSE:

1st September of every year.

10. MIGRATION/TRANSFER OF CANDIDATES:

Request for Migration/Transfer of candidates during the course of study from one recognized Institution to another recognized Institution of this University or from other University shall not be granted under any circumstances.

11. RE-ADMISSION AFTER BREAK OF STUDY

As per the procedure laid down in a common regulation for all the courses of the Tamil Nadu Dr. M.G.R. Medical University.

12. POSTING AND TRAINING IN OUTSIDE CENTRES:

The head of the postgraduate Department shall make necessary arrangements for the postgraduate candidates to undergo training in various skills in other centres.

13. MAINTENANCE OF LOG BOOK:-

a) Every Post Graduate Degree candidate shall maintain a record of skills (Log Book) he / she has acquired during the two years training period, certified by the various Heads of Department, where he / she undergone training including outside the institution.

b) The candidate should also be required to participate in the teaching and training programme in the cadre of undergraduate and post-graduate.

c) In addition, the Head of the Department shall involve their Post-graduate Degree course candidates in Seminars, Journal Clubs, Group Discussions and participation in clinical.

d) Every Post- graduate Degree course candidate should be encouraged to present short title papers in conferences and improve on it and submit them for publication in reputed medical journals. Motivation by the Heads of Departments is essential in this area to sharpen the research skills of the post-graduate candidates.

e) The Head of the Department shall scrutinize the Log Book once in every three months.

f) At the end of the course, the candidate should summaries the contents and get the Log Book certified by the Head of the Department.

g) The Log Book for each years should be submitted 3 months prior to the final year examinations.

14. DISSERTATION & EVALUATION:-

The topic of the dissertation should be submitted at the end of the first year and obtain the ethical clearance of the same. The candidate should also inform the name of the guide for the dissertation to the University while submitting the dissertations topic.

If there are changes in the dissertation topic, the same has to be informed six months prior to the final year examination.

The dissertation should be submitted duly signed by the Professor and the same has to be forwarded to the Controller of Examination through the Head of the Institution two months prior to the Examination.

For dissertation marks 200, Log Book & CME mark 50 and IA 50– Minimum mark to pass 150.

* It was resolved XXXX111 S.A.B. Dated 19.12.2011.

If the dissertation is not approved (Failed) by the majority of the examiners, the results shall be withheld till the resubmitted dissertation is approved (Passed).

If the candidate fails in the Written / Practical Examination, but his / her dissertation is approved (Passed), the approval of the dissertation shall be carried over to the subsequent examination.

15. ATTENDANCE REQUIREMENT FOR ADMISSION TO EXAMINATION

a) No candidate shall be permitted to appear in any one of the parts of M.Sc., (Medical Laboratory Technology) Course Examinations, unless he / she has attended the course in all the subjects for the prescribed period in an affiliated Institution recognized by this University and has to produce the necessary certificates of study, attendance, satisfactory conduct and progress from the Head of the Institution.

b) A candidate is required to put in a minimum of 85% of attendance (of 270 days) each in theory and practical classes in each subject before admission to the examination.

c) A candidate lacking in the prescribed attendance and progress in any one subject in theory and practical classes, wherever necessary in the first appearance, shall not be permitted for admission to the entire examination.

*** 80% attendance for all non-council PG AHS courses from the academic year 2021-22**

*** Resolved 61st SAB meeting held on 21.4.2022.**

16. CONDONATION OF LACK OF ATTENDANCE:

There shall be no condonation of lack of attendance in Post Graduate degree programme.

17. COMMENCEMENT OF EXAMINATION:

15th April/15th October

* It was resolved XXXX111 S.A.B. Dated 19.12.2011.

If the date of commencement of Examination falls on Saturday / Sunday or declared public holidays, the examination shall begin on the next working day.

18. MEDIUM OF INSTRUCTION:

The medium of instruction for all subjects shall be English.

19. AWARD OF DEGREE :-

The degree shall be awarded by the University only after the successful completion of the course.

20. AWARD OF MEDALS / PRIZES:-

The University shall award at its Convocation, medals and prizes to outstanding candidates as and when instituted by the Donors as per the schedule prescribed for the award.

21. PASSING MINIMUM:

A candidate shall be declared to have passed in each paper/subject if he / she secures NOT LESS THAN 50% of the marks prescribed for the examinations.

22. RETOTALLING & REVALUATION OF ANSWER PAPERS:-

Re-totalling & Revaluation answer paper is not permitted

22. NUMBER OF APPEARANCE/COMPLETION OF THE COURSE OF STUDY

The duration for completion of the course is double the duration of the course i.e. 4 years to pass the examination, from the date of joining the course. Otherwise he / she has to be discharged from the course.

23. CURRICULUM:

FIRST YEAR:

PAPER - I	Principles of Epidemiology, Research Methodology Biostatistics and Medical Ethics
PAPER - II	General Biochemistry Medical Laboratory Technology
PAPER - III	General Bacteriology, Immunology and Parasitology
PAPER - IV	Haematology and clinical Pathology
PAPER - V	General Pathology

SECOND YEAR:

PAPER - I	Clinical Biochemistry, Endocrinology and Nutritional Biochemistry
PAPER - II	Systemic Bacteriology, Virology and Mycology
PAPER - III	Advance Haematology & Immuno Haematology
PAPER - IV	Techniques in Histopathology and Cytology

Dissertation is to be submitted three months before the final year examination.

24. INTERNAL ASSESSMENT:

The Internal Assessment should consist of the following points for Evaluation:-

INTERNAL ASSESSMENT – SCHEME : 50 MARKS

Theory	Practical
30 marks	20 marks

The Internal Assessment of the candidate has to be assessed on the above points and a report has to be submitted by the institution as detailed below:-

The aggregate of Final Internal Assessment Marks should be submitted 2 months before the commencement of the exam as per scheme of examination shall be taken by the University as Internal Assessment Marks and minimum of 50% marks is mandatory for permitting the candidates to sit for the University examinations.

25. SCHEME OF EXAMINATION * :**FIRST YEAR**

Paper	Subjects	Internal Assessment (IA)		Theory		Practical		Viva Voice	
		Max	Min	Max	Min	Max	Min	Max	Min
1.	Principles of Epidemiology, Research Methodology Biostatistics and Medical Ethics	50	25	100	50	-	-	-	-
2.	General Biochemistry Medical Laboratory Technology	50	25	100	50	100	50	-	-
3.	General Bacteriology, Immunology and Parasitology	50	25	100	50	100	50	-	-
4.	Haematology and clinical Pathology	50	25	100	50	100	50	-	-
5	General Pathology	50	25	100	50	100	50	-	-

* Resolved in the 60th SAB dated 20.4.2021 and this shall come into effect from the A.Y.2020-2021 admission onwards

SECOND YEAR

S.N	Subjects	Internal Assessment (IA)		Theory		Practical		Viva Voice	
		Max	Min	Max	Min	Max	Min	Max	Min
1.	Clinical Biochemistry, Endocrinology and Nutritional Biochemistry	50	25	100	50	100	50	-	-
2.	Systemic Bacteriology, Virology and Mycology	50	25	100	50	100	50	-	-
3.	Advance Haematology & Immuno Haematology	50	25	100	50	100	50	-	-
4.	Techniques in Histopathology and Cytology	50	25	100	50	100	50	-	-

If a candidate fails in practical will only appear for Practical examination. If he candidate fails in Theory he/she has to write BOTH the practical paper and the RELATED theory subject.

Evaluation of Dissertation	200
Log Book & C.M.E. minimum I.A	50 (2 per year) 50

Total	300

Passing Minimum	<u>150</u>

* It was resolved 43rd SAB , dt. 19.12.2011

The candidates can appear for the final year examination having maximum two first year arrear papers.

26. AUTHORITY TO ISSUE TRANSCRIPT :-

The Controller of Examinations shall be the authority for issuing transcript of marks after remitting the prescribed fee.

27. SUBMISSION OF PRACTICAL RECORD BOOKS :-

At the time of Practical Examination, each candidate shall submit to the Examiners his / her Practical Record Books duly certified by the Head of the Department as a bonafide record of the work done by the candidate.

The concerned Head of the Department shall evaluate and award the marks for the Practical Record Note Book and Log Book (Internal Assessment) and the Practical Record shall be presented to the Examiner at the time of examinations at the end of each year.

28. QUESTION PAPER PATTERN:-

Theory

Essay - 2 x 20 Marks = 40 Marks

Short Notes - 10 x 6 Marks = 60 Marks

100 Marks

Requirement for pass: 50% in each paper
