

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY, CHENNAI -600 032

**REGULATIONS OF THE UNIVERSITY
(Post-graduate Degree course under Allied Health Science)**

M. Sc (RADIOTHERAPY TECHNOLOGY)

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 “**M.Sc – RADIOTHERAPY TECHNOLOGY REGULATIONS**” of the Tamil Nadu Dr. MGR Medical University, Chennai.

- They shall come into force from the academic year 2017-2018
- The regulations framed are subject to modification by the Standing Academic Board from time to time.

2. OVERALL OBJECTIVES:

Upon completion of this course, the student shall be able to execute all routine radio therapeutic procedures as per prescription of Radiation Oncologist, assist the radiation oncologist and medical physicist in treatment of cancer patients, radiotherapy planning & producers, and implementation of new equipment/ technology , provide adequate knowledge about the safe handling of medical radiation sources, keeping in mind the radiation protection of staff, patients and public, transfer knowledge and skills to students as well as younger professionals, activity participate and also independently work in research in the field of radiotherapy delivery / clinical research/ trails and related areas.

3. ELIGIBILITY FOR ADMISSION:

Successful Completion of B.Sc Degree Course (with applicable Internship) in Radiotherapy Technology with pass marks (50%)

4. AGE LIMIT:

No upper age limit for Admission

5. ELIGIBILITY CERTIFICATE:

Candidates who have passed any qualifying examination as stated in (3) other than the Tamil Nadu Dr. M.G.R. Medical University shall obtain an “Eligibility Certificate” from this University by remitting the prescribed fees along with the application form and required documents before seeking admission to any one of the affiliated institutions. The application form is available in the University website :web.tnmgrmu.ac.in.

6. REGISTRATION:

A Candidate admitted to **M.Sc – RADIOTHERAPY TECHNOLOGY DEGREE COURSE UNDER ALLIED HEALTH SCIENCES** 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 in 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 bear the date of admission to the said course.

7. MIGRATION/TRANSFER OF CANDIDATE:

(a) A student studying in **M.Sc – RADIOTHERAPY TECHNOLOGY DEGREE COURSE UNDER ALLIED HEALTH SCIENCES** can be allowed to migrate / transfer to another institution of Allied Health Science under the same University.

(b) Migration / Transfer can be allowed to another affiliated institutions under extraordinary circumstances. The Vice - Chancellor has the power to issue Migration / Transfer order.

8. COMMENCEMENT OF THE COURSE:

The course shall commence from **1st September** of the academic year. Cut off date for Admission is **30th September** every year.

9. MEDIUM OF INSTRUCTION:

English shall be the Medium of Instruction for all the Subjects of study and for examinations of the **M.Sc – RADIOTHERAPY TECHNOLOGY DEGREE COURSE UNDER ALLIED HEALTH SCIENCES**.

10. CURRICULUM:

The Curriculum and the syllabus for the course shall be as prescribed in these regulations and are subject to modifications by the Standing Academic Board from time to time.

11. DURATION OF THE COURSE:

The duration of certified study for the **M.Sc – RADIOTHERAPY TECHNOLOGY DEGREE COURSES UNDER ALLIED HEALTH SCIENCES** shall be **Two** year study period and one year of Internship(AERB Concurrence) academic years including period of exam. The admitted candidates should complete this course within 6 years (double the duration) from the date of joining the course.

12. RE-ADMISSION AFTER BREAK OF STUDY:

The regulations for re-admission are as per the University Common Regulation for Re-admission after break of study for all courses.

13. . WORKING DAYS IN THE ACADEMIC YEA:

Each academic year shall consist of not less than 270 working days

Total No. of working days including (Term day 270 days 85% Attendance) Examination period

14. ATTENDANCE REQUIRED FOR ADMISSION / EXAMINATION:

(a) No candidate shall be permitted to appear in any one of the parts of **M.Sc – RADIOTHERAPY TECHNOLOGY DEGREE COURSE UNDER ALLIED HEALTH SCIENCES** Examinations unless he/she has attended the course in the subject for the prescribed period in an affiliated institution recognized by this University and produce the necessary certificate of study, attendance and satisfactory conduct from the Head of the institution.

(b) A candidate is required to put in a minimum of 85% of attendance in both theory and practical separately in each subject before admission to the examinations.

15. CONDONATION OF LACK OF ATTENDANCE:

There shall be no condonation of lack of attendance.

16. INTERNAL ASSESSMENT MARKS:

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

- i) Theory
- ii) Practical

(a) A minimum of three written examinations shall be conducted in each subject during a year and the average marks of the three performances shall be taken into consideration for the award of Internal Assessment marks.

17. CUT-OFF DATES FOR ADMISSION TO EXAMINATIONS:

- (i) **30th September** of the academic year concerned for Admission.
- (ii) The candidates admitted up to **30th September** of the academic year shall be registered to take up the **1st year examination during October of the next year.**

18. COMMENCEMENT OF THE EXAMINATIONS:

15th October / 15 April

If the date of commencement of examination falls on Saturdays / Sundays or declared Public Holidays, the examination shall begin on the next working day.

19. MARKS QUALIFYING FOR PASS:

50% of marks in the University Theory Examinations
50% of marks in the Practical with Viva
50% of marks in aggregate in Theory, I.A & oral taken together.

20. REVALUATION / RETOTALLING OF ANSWER PAPERS:

Re - totalling / Revaluation of answer papers is not permitted.

21. VACATION:

There is no vacation

22. SCHEME OF EXAMINATIONS:**First Year:**

S.NO	SUBJECT TITLE	IA		THEORY	
		Max.	Min.	Max.	Min.
1	Human applied and Imaging Anatomy , Physiology, Pathology & Terminology	50	25	100	50
2	Imaging Modalities, Equipment Operation, safety and Maintenance related to Radiotherapy & Medical Physics	50	25	100	50
3	Patient Care and Evaluation including BLS	50	25	100	50
4	Research Methodology and Biostatistics -Certified with 5 days programme	No	University	Exam	
5	Adoption of new Radiotherapy Technology, Radiation Hazards, Evaluation and Control.	50	25	100	50

Practical Syllabus papers 2 & 5.

Second Year:

S.NO	SUBJECT TITLE	IA		THEORY	
		Max.	Min.	Max.	Min.
1	Clinical Biology, Radiation Toxicities, Stereotactic Radiotherapy, Radio Surgery, SBRT Radiotherapy	50	25	100	50
2	Management of Motion, Patient Care and Data in Radiotherapy	50	25	100	50
3	Recent Advances in Radiotherapy and Special Radiotherapy Procedures.	50	25	100	50

Common Practical 1, 2, & 3 Max.Marks100, Min Marks 50

Theory Examination Pattern

Duration: 3 hrs Max.Marks: 100

Part – A (2 x 20 = 40) Marks

Part – B (10 X 6 = 60) Marks

	Max.	Min.
Project	100	50
Viva / Practical	100	50
I. A	50	25

- **Minimum Pass 50%**

Practicals should include the following:

Case Discussion, / Flash Card / Spotters / Instruments / Specimens
(Where ever it is applicable)

23. Submission of Project:

1. Project should be in a bound volume of a minimum of 30 - 50 pages of typed in Double line spacing and on one side only.
2. The Project should be submitted to the Institution 3 months before the Second Year Examination.
3. The student should prepare a PPT presentation of the project at the time of Viva – Voce Examination..

24. LOG BOOK::

Based on the curriculum Log Book to be maintained and the same is periodically, assessed by HOD and presented at the time of discussion of project in Practical Examination.
