

Third Year B.Sc MRT Degree Regular/Supplementary Examinations
April 2026
Radiotherapy II

Time: 3 Hours

Max Marks: 100

- *Answer all questions to the point neatly and legibly* • *Do not leave any blank pages between answers* • *Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together* • *Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays:**(3x10=30)**

1. Describe the methods of tumor localization. Describe the differences between conventional simulator and CT simulator
2. Briefly describe the staging of carcinoma cervix. Explain the management of stage IIB cancer cervix
3. Describe the radical radiotherapy of maxillary antrum carcinoma

Short notes:**(8x5=40)**

4. Time dose fractionation
5. Beam modifying devices
6. Total Body Irradiation
7. Units of radiation quantities
8. ICRU 38
9. Brachytherapy of sarcoma
10. Implantation rules
11. 3DCRT

Answer briefly:**(10x3=30)**

12. Cerrobend
13. Pulsed dose radiotherapy
14. Oncology emergencies
15. Cobalt - 60
16. Virtual Simulation
17. Brachytherapy for prostate
18. Isodose curves
19. Radiation dosimeters
20. Iridium-192
21. Stereotactic Radiosurgery

CORRECTION / NO-CORRECTION FILE
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QPCODE: 302018

Dated: 16-04-2026

Question No. 3

Replaced with “Describe the radical radiotherapy of carcinoma nasopharynx”

Question No. 9

Modified as “Brachytherapy”

Question No. 10

Replaced with “Immobilization devices”

Extra time of 10 minutes allowed.

Corrections/Modifications/Replacement of Questions if any shall be made available to all students. Take the print out of the Correction File in such cases and distribute to all students.

(Sd/-)

CONTROLLER OF EXAMINATIONS