

QP CODE: 302018

Reg. No.....

**Third Year B.Sc MRT Degree Supplementary Examinations October 2023
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 staging of cancer rectum and also management of T3N2M0 cancer rectum
2. Describe early breast cancer management and treatment
3. Management of Carcinoma Cervix IIIB.

Short notes:

(8x5=40)

4. Concurrent chemo radiation
5. Hormone therapy in cancer breast
6. Multileaf collimators
7. Wedges
8. CT Simulation.
9. Gating in Radiotherapy
10. Image Registration.
11. Organ at risk, tolerance doses and toxicities of Head & Neck Radiotherapy.

Answer briefly:

(10x3=30)

12. Intracavitary brachy therapy.
13. Oncological emergencies.
14. Management of T1N0 glottic Cancer.
15. Organization in radiotherapy department
16. Source Axis distance
17. Mantle field radiotherapy
18. Half Beam blocks
19. Medulloblastoma
20. ICRU38
21. Image Guided Radiotherapy
