

QP CODE: 302018

Reg. No.....

**Third Year B.Sc MRT Degree Supplementary Examinations
October 2022**

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. Locally Advanced Breast Cancer-Workup and Treatment Planning.
2. Briefly describe staging of carcinoma cervix. Give details of the treatment of Stage II B carcinoma cervix. Enumerate radiation toxicities of pelvic RT
3. Describe the management of medulloblastoma. Describe the radiotherapy treatment technique

Short notes: (8x5=40)

4. Altered fractionation schedule
5. Immobilization devices
6. Total body irradiation
7. Prophylactic Cranial Irradiation.
8. Stochastic and Non Stochastic effects of Radiation.
9. Acute radiation reactions
10. Mould therapy
11. Bolus

Answer briefly: (10x3=30)

12. Multi Leaf Collimator (MLC)
13. High dose rate brachytherapy
14. Role of RT in superior vena cava obstruction
15. Interstitial brachytherapy
16. Source to Axis Distance (SAD)
17. Radio sensitizers.
18. TNM Staging.
19. Electron beam therapy
20. Teletherapy radioactive source
21. Stereo tactic radio surgery
