

QP CODE: 302018

Reg. No.....

**Third Year B.Sc MRT Degree Supplementary Examinations October 2024
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. Management of Carcinoma Cervix IIB
2. Compare and contrast cobalt-60 and Linear Accelerator
3. Describe the mechanisms of concurrent chemo radiotherapy. Enumerate the sites and benefits

Short notes:

(8x5=40)

4. ICRU 50
5. Altered fractionation
6. Total Body Irradiation
7. Moving lasers in radiotherapy
8. Mould therapy
9. Superior venacaval obstruction
10. Craniospinal Irradiation
11. Mandle filed irradiation

Answer briefly:

(10x3=30)

12. Interstitial implantation
13. Intensity modulated radiotherapy
14. Electron beam therapy
15. Proton beam therapy
16. Cancer bladder radiation
17. Radiation reactions
18. Monitoring the patient during radiotherapy
19. Stereotactic radiotherapy
20. Radiation hazards
21. Radioactive source disposal
