

QP CODE: 202018

Reg. No.....

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

Radiotherapy I

Time: 3 Hours

Total 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*

Essays:

(3x10=30)

1. Describe in detail the etiology, pathology, clinical presentation and radiation therapy in rectal cancer.
2. Describe staging, pathology, and management of nasopharyngeal carcinoma.
3. Describe the pathology, clinical presentation and management of stage III B cervical cancer.

Short notes:

(8x5=40)

4. Glioblastoma.
5. 5R's.
6. Radiosensitisers and Radioprotectors.
7. Management of Lung Cancer.
8. Management of soft tissue sarcoma.
9. Patterns of spread in Cancer.
10. Hormonal treatment of Breast cancer.
11. Stochastic and non-stochastic effects of radiation.

Answer briefly:

(10x3=30)

12. Tumor hypoxia.
13. Palliation of bone metastasis.
14. Management of retinoblastoma.
15. LET,RBE.
16. Hemi body radiation.
17. Staging work up in lymphoma.
18. Preoperative radiation therapy.
19. Acute toxicities in Head and Neck Radiation.
20. Staging of Endometrial cancer.
21. Rhabdomyosarcoma.
