

QP CODE: 202018

Reg. No.....

**Second Year B.Sc MRT Degree Supplementary Examinations
October 2023**

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 etiopathogenesis, staging of breast cancer and management of early breast cancer.
2. Describe the management of stage III B cervical cancer.
3. Describe epidemiology, patterns of spread, and treatment of thoracic oesophageal cancer.

Short notes:

(8x5=40)

4. Acute and late effects of radiation treatment for head and neck cancers.
5. Radiosensitisers. Examples and principles of action.
6. High dose rate brachytherapy.
7. Staging of endometrial cancers.
8. Palliation of brain metastasis.
9. Staging of Lymphoma.
10. Stochastic and Non Stochastic effects.
11. Patterns of spread of cancer.

Answer briefly:

(10x3=30)

12. Basic tests done for Cancer patient's workup.
13. Hormonal management of prostate cancer.
14. Tumour Hypoxia.
15. Management of Wilms Tumour.
16. Linear energy transfer.
17. Staging of testicular germ cell tumours.
18. Pancoast tumour.
19. Radiation treatment in bladder cancer.
20. 5R's of Radiobiology.
21. Pathology of Lung cancers.
