

**QP CODE: 202018**

**Reg. No.....**

**Second Year B.Sc MRT Degree Regular/Supplementary Examinations  
April 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 natural history, clinical presentation, staging and radiotherapy treatment of carcinoma tongue.
2. Enumerate etiology, pathology, investigations and management of carcinoma cervix St III B.
3. Staging and workup of Carcinoma Breast

**Short notes:**

**(8x5=40)**

4. Management of Carcinoma Rectum
5. Management of testicular tumors
6. Pathology and staging of lymphomas
7. Management of localised prostatic cancer
8. Linear energy transfer
9. Concurrent chemo radiation
10. Management of Carcinoma Lung
11. Brachytherapy in cervical cancer

**Answer briefly:**

**(10x3=30)**

12. Head and neck immobilization devices
13. Organ at Risk
14. Oxygen effect
15. Radiosensitisers and Radioprotectors
16. IRadiation Mucositis
17. Etiological factors for Carcinoma Oropharynx.
18. Stochastic and non-stochastic effects
19. Palliation of brain metastasis
20. Target volumes
21. Patterns of Spread

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