

QP CODE: 202018

Reg. No.....

**Second Year B.Sc MRT Degree Regular/Supplementary Examinations
March 2026**

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 the risk factors of carcinoma breast. Describe in detail the management of locally advanced carcinoma breast
2. Briefly describe the screening procedures for carcinoma cervix. Describe in detail the clinical features and management of stage III B carcinoma cervix
3. Describe the staging and clinical features of carcinoma endometrium. Elaborate on the differences between type I and type II endometrial cancers

Short notes: (8x5=40)

4. Role of radiation in Hodgkin's disease
5. PSA velocity and density
6. Staging of carcinoma Larynx
7. Iodine -125
8. Accelerated fractionation
9. Medulloblastoma
10. Management of carcinoma Rectum
11. Intensity modulated radiotherapy

Answer briefly: (10x3=30)

12. Biological equivalent dose
13. SBRT for Liver metastasis
14. Re-oxygenation
15. Mould therapy for carcinoma Penis
16. Hemi body irradiation
17. Bleomycin
18. Gastro intestinal stromal tumour
19. Spinal cord compression
20. Management of radiation cystitis
21. Pair production
