

QP CODE: 202018

Reg. No.....

**Second Year B.Sc MRT Degree Regular/Supplementary Examinations
March 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 clinical presentation, staging, pathology of brain tumours. Describe in detail the management of grade III Astrocytoma.
2. Effect of radiation on tissues including acute and late effects of radiotherapy.
3. Staging aetiopathology, patterns of spread and management of carcinoma tongue.

Short notes:

(8x5=40)

4. Hormonal treatment in prostate cancer.
5. Pancoast tumour.
6. Radiation Sensitizers.
7. Ann-Arbor Staging.
8. 5R's of Radiobiology.
9. Tumour hypoxia.
10. Pathology of Hodgkin's lymphoma.
11. Management of endometrial cancer.

Answer briefly:

(10x3=30)

12. Different fractionations used in radiation treatment.
13. Oxygen effect.
14. Linear energy transfer.
15. Management of anal cancer.
16. Stochastic and Non Stochastic Effects.
17. Staging of stomach cancers.
18. Patterns of Cancer Spread.
19. Pelvic Radiotherapy Toxicities.
20. Late toxicities of radiation treatment in cervical cancers.
21. Staging of vaginal cancers.
