

QP CODE: 202018

Reg. No.....

**Second Year B.Sc MRT Degree Regular/Supplementary
Examinations August 2019**

Radiotherapy I

Time: 3 Hours

Total Marks:100

- **Answer all questions**

Essays:

(3x10=30)

1. Describe FIGO staging of carcinoma cervix. Discuss in detail external beam radiotherapy techniques used in management of stage IIIb ca cervix
2. Discuss mantle radiotherapy techniques in Hodgkin's lymphoma
3. Discuss in detail radiotherapy techniques in stage I seminoma testis

Short notes:

(8x5=40)

4. 4 R s of Radiobiology
5. Neo Adjuvant Chemo radiation in Carcinoma Rectum
6. IHemibody irradiation
7. Radiotherapy in glioblastoma multiforme
8. Acute Radiation Toxicities during pelvic Radiotherapy.
9. Radiotherapy in carcinoma parotid
10. Partial breast irradiation
11. Stochastic and Non - stochastic effects.

Answer briefly:

(10x3=30)

12. TNM Staging of Oral Cavity Cancers.
13. Acute Radiation Toxicities of Head and Neck Cancers
14. Skin sparing effect
15. Stereotactic radiosurgery (SRS)
16. Radio sensitizers
17. Oxygen enhancement ratio (OER)
18. Geographic miss in radiotherapy
19. Target volumes in radiotherapy
20. Conformal radiotherapy
21. LET
