

QP CODE: 202018

Reg. No.....

Second Year B.Sc MRT Degree Examinations August 2018

Radiotherapy I

Time: 3 Hours

Total Marks:100

- **Answer all questions**

Essays:

(3x10=30)

1. Discuss staging of nasopharyngeal carcinoma. Discuss in detail radiotherapy treatment techniques used in management of stage III ca nasopharynx
2. Discuss role of radiotherapy and technique in oesophageal carcinoma
3. Discuss in detail radiotherapy techniques in stage I seminoma testis

Short notes:

(8x5=40)

4. Xerostomia in head and neck irradiation
5. Management of Lymphomas
6. Interstitial brachytherapy in carcinoma cervix
7. Amifostine in radiotherapy
8. Management of Carcinoma Rectum"
9. Alfa/beta ratio
10. Altered fractionation
11. Cobalt-60 HDR brachytherapy

Answer briefly:

(10x3=30)

12. Role of radiotherapy in Ewing's sarcoma
13. Brachytherapy in T₁N₀M₀ carcinoma tongue
14. Rectal reactions in pelvic radiotherapy
15. Organs at risk (OAR) concept
16. Stochastic effects and deterministic effects
17. IHormone therapy in Carcinoma Prostate.
18. Glioblastoma Multiforme.
19. Patterns of spread in Carcinoma Breast.
20. Palliative radiotherapy
21. IStaging of Carcinoma Breast.
