

QP CODE: 202018

Reg. No.....

**Second Year B.Sc MRT Degree Supplementary Examinations
March 2019**

Radiotherapy I

Time: 3 Hours

Total Marks:100

- **Answer all questions**

Essays:

(3x10=30)

1. How is prostate carcinoma risk stratified. Discuss in detail radiotherapy treatment techniques for localised prostate cancer
2. Anatomy, staging, clinical features and management of Carcinoma Cervix including Radiotherapy planning".t
3. Discuss role of radiotherapy with reference to the techniques employed in the treatment of brain metastasis.

Short notes:

(8x5=40)

4. Posterior fossa boost in medulloblastoma
5. Beam directed radiotherapy (BDXRT)
6. Respiratory gating in radiotherapy
7. Management of Carcinoma Rectum
8. Immobilisation devices in radiotherapy
9. Briefly describe different classification and types of Brachytherapy.
10. Technique of total body radiation
11. Radiotherapy planning of Breast cancer

Answer briefly:

(10x3=30)

12. Role of radiotherapy in retinoblastoma
13. Proton therapy
14. Radiotherapy in T₁N₀M₀ carcinoma tonsil
15. Acute radiation mucositis
16. Osteoradionecrosis
17. Spinal cord tolerance
18. Electron beam therapy in skin cancer
19. Ir 192
20. Radiation in cranial prophylaxis
21. Clinical application of Electron Beam Therapy
