

Third Year B.Sc MRT Degree Supplementary Examinations August 2017

RADIOTHERAPY II

Time: 3 Hours

Max Marks: 100

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays: **(3x10=30)**

1. Describe the aetiology, pathology, investigation and staging carcinoma larynx.
Describe details about radiation T1 larynx.
2. Describe the aetiology, pathology, investigation of carcinoma prostate. Describe details about radiation technique of carcinoma prostate.
3. What is brachytherapy. Describe different type of brachytherapy.

Short notes: **(8x5=40)**

4. What are the errors in radiation therapy.
5. ICRU.
6. Particulate radiation
7. Radioprotector
8. Management of Carcinoma Rectum including Radiotherapy planning
9. Glioblastoma multiforme
10. Carcinoma breast staging
11. Advantages and disadvantages of IMRT.

Answer briefly: **(10x3=30)**

12. Immobilisation device
13. Cyber knife
14. Oncological emergency
15. Management of bone metastasis
16. Hormone therapy in Carcinoma Breast.
17. Arc therapy
18. Side effects of chest wall irradiation
19. Total skin electron therapy
20. Radiation planning of parotid malignancy
21. Cobalt 60