

QP CODE:202018

Reg.No.....

**Second Year B.Sc MRT Degree Supplementary Examinations
August 2017**

RADIOTHERAPY I

Time : 3 Hours

Total Marks:100

- **Answer all questions**

Essays: (3x10=30)

1. Describe the radiotherapy techniques in treatment of medulloblastoma
2. What are the prognostic factors in breast carcinoma. Describe staging of carcinoma breast and discuss treatment strategies in locally advanced carcinoma breast.
3. Describe pathology and staging of carcinoma cervix. Discuss the management of carcinoma cervix stage III B

Short notes: (8x5=40)

4. Hypo fractionation
5. Wilm's tumour
6. Cell cycle
7. Stochastic and non-stochastic effect.
8. Comment on HDR VS LDR in brachytherapy
9. Grading of Radiation induced mucositis and dermatitis(skin toxicity).
10. SVC syndrome
11. Classification of cytotoxic drugs

Answer briefly: (10x3=30)

12. Staging of Hodgkin's lymphoma
13. ALARA principles
14. Oncogenes
15. Simulator
16. Briefly mention treatment modalities for carcinoma lung.
17. Radiation enteritis
18. Iridium 192
19. Differentiate between palliative and radical treatment
20. Malignant ascites
21. Tumour markers.
