

QP CODE: 202018

Reg. No.....

Second Year B.Sc MRT Degree Examinations March 2018

RADIOTHERAPY I

Time: 3 Hours

Total Marks:100

- **Answer all questions**

Essays:

(3x10=30)

1. Discuss the staging of breast cancer. Describe the radiotherapy treatment techniques for the treatment of Ca breast stage I treated by lumpectomy.
2. "IGO staging and management of Carcinoma Cervix
3. Describe the various types of immobilization equipments and techniques in
 - breast cancer
 - cervix cancer
 - medulloblastoma

Short notes:

(8x5=40)

4. Management of non small cell lung cancer
5. Radiotherapy treatment of early stage Ca maxilla
6. Linear energy transfer(LET)
7. Grading of acute dermatitis and mucositis
8. Ann Arbor staging of Lymphoma
9. Stochastic and non stochastic effectst
10. Management of carcinoma rectum

11. Role of brachytherapy in soft tissue sarcoma

Answer briefly:

(10x3=30)

12. Cancer oesophagus role of RT
13. Relative biologic effectiveness
14. Ca vocal cord stage 1 different radiotherapy techniques
15. Late side effects of radiotherapy
16. Dental care in radiotherapy
17. Advantages of IMRT in head and neck cancer
18. Radiotherapy in retinoblastoma
19. Patterns of spread of cancer
20. Role of radiation in squamous cell Ca of anal canal
21. Describe the levels of neck lymph nodes
