

QP CODE: 202025

Reg. No:

**Second Year B.Sc Radio Therapy Technology Degree Regular
Examinations November 2025**

Paper VII Radiotherapy I

(2023 Scheme)

Time: 3 Hours

Total Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays:

(2x15=30)

1. Classification and general management of brain tumors. Describe treatment for Medulloblastoma including Craniospinal irradiation.
2. Describe etiopathogenesis and FIGO staging of carcinoma cervix and explain the role of definitive radiotherapy including brachytherapy.

Short notes:

(8x5=40)

3. Stochastic and Non stochastic effects
4. Wilms tumor
5. 5Rs of radiotherapy
6. Beam modifying devices
7. Radiotherapy in pregnancy
8. Acute and late toxicities of Head and neck radiotherapy
9. TNM staging of carcinoma breast
10. Cell survival curve

Answer briefly:

(10x3=30)

11. Ann Arbor staging
12. Oncogenes
13. Hormone therapy for Carcinoma Prostate
14. Role of radiation in Rectal cancers
15. Linear Energy Transfer (LET)
16. Role of emergency radiation in malignancy
17. Patterns of spread of Lung cancer
18. Hemibody irradiation
19. Radiosensitisers
20. Classification of brachytherapy based on dose rate

CORRECTION / NO-CORRECTION FILE
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QPCODE: 202025

Dated: 06-11-2025

Question No.6

Replaced with "Radiation Therapy in Endometrial Cancer."

Question No.18

Replaced with "Palliative Radiotherapy."

Corrections/Modifications/Replacement of Questions if any shall be made available to all students. Take the print out of the Correction File in such cases and distribute to all students.

(Sd/-)

CONTROLLER OF EXAMINATIONS