

QP Code:103117

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Radiation
Oncology (MD) November 2025**

Paper III - Clinical Oncology & Cancer Chemotherapy

Time: 3 hrs

Max 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*

Essay: (20)

1. Discuss the role of angiogenesis in growth of cancer. Enumerate the role of anti-angiogenesis drugs in cancer treatment along with the sites where they are used.

Short essays: (8x10=80)

2. Discuss Cell cycle and classification of chemotherapy drugs based on cell cycle specificity.
3. What are the acute and late effects of Radiation on Lung tissue. What are the strategies for prevention of radiation induced lung injury.
4. Discuss about rationale of concurrent chemoradiation and their role in clinical practice.
5. Describe different types of Basal cell carcinoma. How will you manage a case of rodent ulcer involving medial canthus of the eye.
6. What is APBI. Discuss the rationale, technique and the evidence for APBI.
7. Discuss the indications and technique and various dose fractionations of craniospinal irradiation.
8. Write about anatomy of larynx. How do you manage a case of T2N0Mo Glottis cancer.
9. Classify mediastinal tumours according to their anatomical location. Discuss about role of RT in Thymoma.
