

QP Code: 104117

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Radiation
Oncology (MD) June 2024**

Paper IV - Recent Development in Clinical Oncology

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. Describe in detail the role of radiation in intermediate risk prostate cancer
Mention the role of brachytherapy in ca prostate in detail

Short essays:

(8x10=80)

2. What is FLASH radiotherapy and mention its indications
3. Pemrozilumab indications and mechanism of action with toxicity profile
4. Explain the role of IORT and its resurgence in today's era
5. Explain the role of MSI and its implications in ca rectum
6. What are setup errors and what are the technologies employed in ca breast to minimise errors
7. Radiation therapy: CK versus gamma knife
8. What is BNCT and its place in particle radiation therapy
9. Clinical application of radiotherapy altered fractionation in oncology
