

QP Code: 104117

Reg. No.:.....

**PG Degree Supplementary Examinations in Radiotherapy (MD)
November 2021**

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 recent advances in the use of various radiation sensitizers for head and neck cancer. Discuss in detail the radiobiological rationale, timing, and sequencing of radiation sensitizers with radiation therapy (RT).

Short essays:

(8x10=80)

2. Anti-angiogenic
3. Neutron emitters in brachytherapy
4. PET CT scan in RT planning
5. Tumour tracking during radiotherapy
6. Stereotactic radiotherapy
7. Recent advances in the management of multiple myeloma
8. Molecular markers in gliomas
9. Cell surface receptor targeting
