

QP Code: 104117

Reg. No.:.....

**PG Degree Regular/Supplementary Examinations in Radiotherapy
(MD) May 2022**

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. Discuss in detail about the motion management during teletherapy: concept, examples and available methods.

Short essays:

(8x10=80)

2. Dose Volume Histogram.
3. Proton beam therapy.
4. QUANTEC.
5. Role of PETCT planning for radiation therapy.
6. 64-year-old gentleman with 3x3 cm hepato cellular carcinoma confined to segment II. Discuss management options.
7. Advances in radiation for Hodgkin's lymphoma.
8. Importance of IHC for small round cell tumours.
9. Sentinel lymph node biopsy.
