

**QP Code: 104117**

**Reg. No.:.....**

**PG Degree Regular/Supplementary Examinations in Radiotherapy  
(MD) June 2020**

**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 intensity modulated radiotherapy and its clinical implications. Compare IMRT vs 3DCRT

**Short essays:**

**(8x10=80)**

2. Proton beam therapy
3. Radioactive iodine ablation
4. Altered fractionation
5. Photodynamic therapy
6. Management of chemotherapy induced vomiting
7. Isolated limb perfusion and infusion
8. Real time tumour tracking techniques
9. SBRT - Stereotactic Body Radiotherapy

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