

**QP Code:104117**

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

**PG Degree Supplementary Examinations in Radiotherapy (MD)  
October 2018**

**Paper IV - Recent Development in Clinical Oncology**

**Time: 3 hrs**

**Max marks:100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

**Essay:**

**(20)**

1. Describe in detail the recent advances in stereotactic radiotherapy. Explain in detail the radio-therapeutic & radiation biology rationale. Enumerate various RT SRS & SRT techniques for various body sites.

**Short essays:**

**(8x10=80)**

2. IORT
3. Recent advances in breast cancer irradiation
4. PET scan in radiotherapy
5. Current guideline in the diagnosis and management of febrile neutropenia.
6. Current status of fractionation in radiotherapy
7. Recent advances in the management of multiple myeloma
8. Proton beam therapy
9. Dose Volume Histogram (DVH)

\*\*\*\*\*