

QP Code:104117

Reg.No.:.....

**PG Degree Supplementary Examinations in Radiotherapy (MD) -
November 2017**

Paper IV - Recent Development in Clinical Oncology

Time: 3 hrs

Max marks:100

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

Essays:

(20)

1. Describe the radiation treatment techniques for a 9 years old boy diagnosed to have craniopharyngioma. Explain the techniques briefly along with dose constraints of organs at risk (OAR).

Short essays:

(8x10=80)

2. Management of Ewing's sarcoma - current status.
3. Use of PET CT in radiotherapy planning.
4. Clinical application, limitations and implications of QUANTEC.
5. Targeted therapy in the management of carcinoma lung.
6. Role and technique of interstitial brachytherapy in carcinoma prostate.
7. Cyber knife
8. What is prophylactic cranial irradiation (PCI) in small cell lung cancer. Briefly discuss the rationale behind PCI with evidence.
9. p 53 gene
