

QP Code:104117

Reg.No.:.....

**PG Degree Supplementary Examinations in Radiotherapy (MD) -
November 2014**

Paper IV - Recent Development in Clinical Oncology

Time: 3 hrs

Max marks:100

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

Essays: (20)

1. Proton beam radiotherapy principles and advantages in treating malignancies

Short essays: (8x10=80)

2. Volumetric modulated arc therapy (VMAT) in radiotherapy
3. Treatment planning system in radiation oncology
4. MR spectroscopy
5. Clinical trials in oncology
6. Chemo prevention
7. Radio iodine in Ca. thyroid
8. Management of cancer pain
9. Cancer registry
