

QP Code: 101117

Reg. No.:.....

**PG Degree Supplementary Examinations in Radiotherapy (MD) -
November 2016**

Paper I – Radiation Physics, Radiobiology & Other Basic Sciences

Time: 3 hrs

Max marks:100

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

Essays: (20)

1. What are the different properties of electron. What is the role of molecular imaging in radiation oncology.

Short essays: (8x10=80)

2. FFF
3. Arc therapy
4. Paris system
5. Targit
6. CT simulator vs simulator CT
7. Compensator
8. 4 'r' s, in radiobiology
9. Interaction of photons with matter
