

**Q.P Code**

**Reg. No.**

**PG Degree Regular/Supplementary Examinations in Radiation Oncology (M.D)**

**PAPER I – BASIC PRINCIPLES IN PRACTICE OF RADIOTHERAPY  
(PHYSICS, BIOLOGY, PATHOLOGY, EQUIPMENTS  
AND TECHNIQUES OF RADIOTHERAPY)**

**Time : Three Hours**

**Maximum : 100 Marks**

**Essay:**

**(20)**

1. Electron Beam characteristics and clinical application.

**Short Essays**

**(8 x10 = 80)**

2. Manchester System.
3. Percentage depth dose.
4. Wedges.
5. Tomotherapy.
6. Radiation cataractogenesis.
7. Bragg Peak.
8. Concomitant Boost.
9. Cell Cycle relevant to Radiation.