

QP Code: 101117

Reg. No.:.....

PG Degree Examinations in Radiotherapy (MD) - May 2017

Paper I – Radiation Physics, Radiobiology & Other Basic Sciences

Time: 3 hrs

Max marks:100

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

Essays: (20)

1. Explain in detail about the various altered fractionation schedules. Discuss the merits and demerits of each of them.

Short essays: (8x10=80)

2. Brag peak
3. Wedge
4. SRT
5. Thimble chamber
6. Isodose curves
7. BED and LET
8. Iridium 192 (Ir^{192})
9. Pathological classification of thyroid neoplasms
