

QP Code:101188

Reg.No.:.....

**P.G. Diploma Examinations in Medical Radiotherapy (DMRT) –
May 2016**

Paper I – Radiation Physics

Time: 3 hrs

Max marks:100

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

Essay:

(20)

1. Discuss interaction of ionizing radiation with matter and its implications in radiation therapy.

Short essays:

(8x10=80)

2. SSD and SAD treatments
3. ^{192}Ir in radiotherapy
4. Altered fractionation
5. Multi leaf collimator
6. Proton therapy
7. TLD
8. Personal monitoring and maximum permissible dose
9. Wedge filters
