

QP Code:101188

Reg.No.:.....

**P.G. Diploma Examinations in Medical Radiotherapy (DMRT) –
June 2015**

Paper I – Radiation Physics

Time: 3 hrs

Max marks:100

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

Essay:

(20)

1. Define radio activity. Describe the different radioactive isotopes used in the management of cancer diseases.

Short essays:

(8x10=80)

2. Various fractionisation schedules
3. Monitor units (MU)
4. Portal imaging
5. Chromosomal aberrations
6. Radio sensitivity and radio resistance
7. Radio protectors
8. Beam modifiers
9. Immobilization in radiotherapy
