

QP Code: 101188

Reg. No.:.....

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

Paper I – Radiation Physics

Time: 3 hrs

Max marks:100

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

Essay:

(20)

1. Classify and describe various machines used in radiation therapy. Describe the structure of linear accelerator with a neat labelled diagram.

Short essays:

(8x10=80)

2. Isodose curves.
3. Rapid arc
4. PET scan
5. Proton beam therapy
6. Radiotherapy planning field setup in cranio-spinal irradiation
7. Personnel monitoring devise
8. Tissue compensator
9. Junction between fields
