

Q.P.Code:101188

Reg.No.:.....

**P.G Diploma Examinations in Medical Radiotherapy  
(DMRT)- June 2012**

**Paper I- Radiation Physics**

**Time :3hrs**

**Max marks:100**

- *Answer all questions*

**Essays:**

**(20)**

1. What is immobilization in radiotherapy and explain impact of immobilization devices in external beam set up and reproducibility

**Short Essays:**

**(8x10=80)**

2. Radio protectors and their clinical importance
3. Internal dose and its clinical significance
4. Surface mould
5. Radiation survey meter
6. Discuss the linear quandratic model and its clinical application
7. Beta – emitters
8. ALARA and its principles
9. National cancer control and prevention program

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