

QP Code:101188

Reg.No.:.....

P.G Diploma (Supplementary) Examinations in Medical Radiotherapy
(DMRT)- November 2012

Paper I-Radiation Physics

Time: 3 hrs

Max marks:100

- *Answer all questions*

Essay:

(20)

1. Describe cell cycle and the radio biological issues of fractionation and its clinical relevance.

Short essays:

(8x10=80)

2. ALARA Principle
3. Wedges
4. SAD/SSD
5. DNA breaks
6. LET
7. Hyperthermia
8. What is half life and how will you change the cobalt sources of your cobalt ⁶⁰ machine
9. Film badge
