

QP Code: 101188

Reg. No.:.....

**P.G. Diploma Regular/Supplementary Examinations in Medical
Radiotherapy (DMRT) May 2021**

Paper I – Radiation Physics

Time: 3 hrs

Max marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay:

(20)

1. Discuss different verification methods available in radiotherapy planning and their advantages and disadvantages.

Short essays:

(8x10=80)

2. Multileaf collimators.
3. Compare and contrast SSD Vs SAD Technique.
4. Photoelectric effect.
5. Discuss three field technique with examples.
6. Biologically effective dose.
7. Importance of integral dose.
8. Stereotactic radiotherapy.
9. ICRU 50
