

DIPLOMA IN MEDICAL RADIO THERAPY (DMRT) EXAMINATION
MEDICAL RADIATION PHYSICS AS APPLIED TO RADIO THERAPY

Q.P.Code: 343025

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. What are particle radiation? Discuss their clinical applications.
2. Describe the parts of linear accelerator as its clinical application.

II. Write notes on:

(10 x 7 = 70)

1. Remote after loading Technique.
2. Importance of rectal dose in Gynaec brachytherapy.
3. Tomotherapy.
4. Hypofractionation.
5. Permanent Implants in brachytherapy.
6. Compare Iso-dose curves of cobalt and 6MV x-ray therapy.
7. Iridium – 192.
8. Therapeutic Ratio.
9. Dose Volume Histograms.
10. Cyber knife.
