

(LI 1517)

APRIL 2016

Sub. Code: 3025

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. Discuss Parts of Linear Accelerator and housing requirement.
2. Discuss methods of Brachytherapy and dosimetry method in industrial implants.

II. Write notes on:

(10 x 7 = 70)

1. Wedges.
2. Characteristic X Rays.
3. Isodose Chart.
4. Half value layer.
5. Total Body Irradiation.
6. Radiation sickness
7. Beam modifying devices in electron beam therapy.
8. Bragg Peak.
9. CT simulation.
10. Multileaf Collimator as Intensity Modulator.
