

DIPLOMA IN MEDICAL RADIO THERAPY (DMRT) EXAMINATION

**GENERAL PRINCIPLES OF RADIO THERAPY INCLUDING
RADIO-BIOLOGY AND ONCOLOGY**

Q.P. Code: 343026

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. Discuss Hypo fractionation and its clinical applications with advantage / disadvantages.
2. Discuss in detail Oxygen Enhancement Ratio and methods to overcome hypoxia.

II. Write notes on:

(10 x 7 = 70)

1. Radio protectors.
2. Oncogenes.
3. Null hypothesis.
4. p 53.
5. Accelerated fractionation.
6. EGFR modulators.
7. Field in field therapy.
8. Cranio spinal radiation.
9. HPV vaccination.
10. Cancer screening.
