

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. Mechanisms involved in Carcinogenesis.
2. Indications, Dose, Treatment methods and complications of Craniospinal Irradiation.

II. Write notes on:

(10 x 7 = 70)

1. Sensitization of Hypoxic Cells.
2. Radiotherapy after Breast Conserving Surgery.
3. Adjuvant radiotherapy for carcinoma endometrium.
4. Neoadjuvant radiotherapy in rectal cancer.
5. Parametrial boost in cervical cancer.
6. Late effects of cranial irradiation.
7. Radiation for osteosarcoma.
8. Immobilization for head and neck RT.
9. Radiation for Parotid Tumours.
10. Chemoradiotherapy in Locally Advanced Non-Small Cell Lung Cancer.
