

**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. Repair of Radiation Damage and the Dose-Rate Effect.
2. Brachytherapy in cervical cancer.

**II. Write notes on:**

**(10 x 7 = 70)**

1. Photodynamic Therapy.
2. Post Mastectomy Radiotherapy.
3. Adjuvant radiotherapy for oral cavity cancer.
4. Neoadjuvant chemoradiotherapy in rectal cancer.
5. Immobilization for craniospinal radiation.
6. Radiotherapy for pituitary adenoma.
7. Radiotherapy in Anaplastic Carcinoma of Thyroid.
8. Modifiers of radiation response.
9. Skin reactions during radiotherapy.
10. Trans Arterial Chemo-Embolization.

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