

P.G. Diploma Examinations in Medical Radiotherapy (DMRT)**(Model Question Paper)****Paper I – Radiation Physics****Time: 3 hrs****Max marks:100**

- ***Answer all questions***

Essay: (20)

1. Discuss the properties of electromagnetic radiation. What is the difference between X –ray and gamma ray.

Short essays: (8x10=80)

2. Radioactivity
3. Compton process
4. Film Dosimetry
5. Half life of an isotope
6. Percentage depth dose
7. Isodose curves
8. Wedges
9. SSD and SAD techniques

QP Code:**Reg.No.:**.....**P.G. Diploma Examinations in Medical Radiotherapy (DMRT)****(Model Question Paper)****Paper II –Pathology****Time: 3 hrs****Max marks:100**

- *Answer all questions*

Essay:**(20)**

1. Discuss the pathology of Breast Cancer.

Short essays:**(8x10=80)**

2. Etiology of Ovarian cancer
3. Staging of tumors
4. Testicular Tumour
5. Preinvasve Cancer
6. Immunohistochemical studies
7. AIDS AND malignancy
8. Hodgkins Disease Classification
9. Pathology of soft tissue sarcoma.

QP Code:**Reg.No.:**.....**P.G. Diploma Examinations in Medical Radiotherapy (DMRT)****(Model Question Paper)****Paper III – Radiotherapy****Time: 3 hrs****Max marks:100**

- ***Answer all questions***

Essay:**(20)**

1. Discuss the role of radiotherapy in the management of squamous cell carcinoma of the Nasopharynx.

Short essays:**(8x10=80)**

2. VMAT
3. Radiation proctitis
4. Radiotherapy of Ewing's sarcoma of the bone
5. Management of stage I carcinoma of endometrium
6. Technique of radiotherapy for stage I glottis carcinoma
7. Radioiodine therapy for carcinoma thyroid
8. Osteosarcoma
9. IMRT