# Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Diploma Examination – 29-Jul-2021

Time: Three Hours | Max. Marks: 100 Marks

## DIPLOMA IN MEDICAL RADIOTHERAPY (D.M.R.T)
## PAPER- I (RS-2/RS-3)
## Q. P. CODE: 7151

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

Answer All The Questions | 10 x 10 = 100 Marks

1. Discuss Anatomy, Lymphatic drainage and Pathological classification of Carcinoma esophagus.
2. Discuss in detail about Hemi body irradiation, indications, preparation, technique and complications.
3. Short notes on – a) Film Badge b) Radiation Survey meter
4. Enumerate difference between HDR and LDR Brachytherapy.
5. Short notes on – a) Therapeutic Ratio b) ALARA
6. Explain about 'Acute Radiation Syndrome'.
7. Explain about various 'Altered Fractionation' schedules with their radiobiological significance.
8. Short notes on – a) Isotopes of iodine in clinical use b) Tumor markers in Oncology
9. Write about principles of PET scan and its clinical use in Oncology.
10. Write about types of pain and its pathology and WHO ladder of Pain management.

Post-Graduate Diploma Examination - 31-Jul-2021

[Time: 3 Hours] | [Max. Marks: 100]

## DIPLOMA IN Medical Radiotherapy (D.M.R.T)
## PAPER – II (RS-2/RS-3)
## Q.P. CODE: 7152

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

Answer All The Questions | 10 X 10 = 100 Marks

1. Discuss the rationale of combining radiotherapy with Chemotherapy for cancer treatment.
2. Discuss the management of patients with multiple skeletal metastases.
3. Discuss image Guided Radiotherapy.
4. Write a short summary of proton beam therapy.
5. Write a note on nimotuzumab.
6. Discuss the role of total skin electron therapy.
7. Discuss the chemotherapy for oat cell carcinoma of lung.
8. Discuss the role of hormonal therapy in cancer prostate.
9. Febrile neutropenia and its treatment.
10. Differentiate Chemotherapy from targeted therapy.

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Post Graduate Diploma Examination – 02-Aug-2021

Time: Three Hours | Max. Marks: 100 Marks

## DIPLOMA IN MEDICAL RADIOTHERAPY (D.M.R.T)
## PAPER- III (RS-2/RS-3)
## Q. P. CODE: 7153

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

Answer All The Questions | 10 x 10 = 100 Marks

1. Write on the investigations and treatment of Chronic Radiation Proctitis.
2. Prophylactic cranial radiation.
3. Primary CNS lymphoma (PCNSL).
4. Standard trials for concurrent chemoradiation for non-nasopharyngeal H & N Cancer.
5. Interstitial brachytherapy in cervical cancers.
6. Evaluation and treatment of cancer related fatigue.
7. Basal cell carcinoma.
8. Basis for MRI.
9. Role of radiotherapy for Pancreatic cancer.
10. Schwannoma.