Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – MAY-2019

Time: Three Hours | Max. Marks: 100 Marks

Diploma in Medical Radiotherapy (D.M.R.T)

PAPER- I

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. Proton beam characteristics.
2. Neutron therapy.
3. Simulation.
4. X-Ray production.
5. Radiation monitoring instrument.
6. ICRU 38
7. Half value layer and filters.
8. Cell cycle and check points.
9. Chemo radiation basis.
10. Survival curves in radiotherapy.

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Post Graduate Degree Examination – MAY-2019

Time: Three Hours | Max. Marks: 100 Marks

DIPLOMA IN Medical Radiotherapy (D.M.R.T)

PAPER – II

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. Volumetric modulated are therapy.
2. Discuss improvements in the precision of Radiotherapy.
3. Discuss various drugs used for concurrent chemoradiation.
4. Hypofractionation for Breast cancer.
5. Chemotherapy for Ewings tumour.
6. Chemotherapy for small cell lung cancer.
7. Write the histological classification of central nervous system tumors. How do You manage a case of astrocytoma?
8. Evaluation and treatment of Plasmacytoma.
9. Classification and IRSS staging of Rhabdomyosarcoma.
10. Evaluation and treatment of metastatic carcinoma to the inguinal node.

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Diploma in Medical Radiotherapy (D.M.R.T)

PAPER- III

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. IGRT
2. Describe lymphatic drainage of Breast. How do you manage locally advanced Breast cancer?
3. What are the acute and late toxicities associated with radiation treatment of CNS tumours.
4. Management of brain metastases.
5. Trimodality treatment of bladder cancer.
6. Radiotherapy technique of Nasopharyngeal cancers.
7. Prophylactic cranial irradiation in small cell cancer of lung.
8. Cancer treatment and survivors.
9. Role of PET CT in radiation treatment planning.
10. Radioisotopes used in management of pain due to bone metastases.

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