Rajiv Gandhi University of Health Sciences

Post-Graduate Diploma Examination - MAY 2017

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

DIPLOMA IN MEDICAL RADIOTHERAPY (D.M.R.T)

PAPER – I (Revised Scheme)

Q.P. CODE : 7151

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

LONG ESSAY 2 X 20 = 40 Marks

1. Describe the Radiation effects in humans on exposure to whole body Irradiation at different dose levels
2. Describe the anatomy and Lympahtic drainage of nasopharynx. Discuss the recent advances investigations and management of carcinoma of nasopharynx

SHORT ESSAY 6 X 10 = 60 Marks

3. Write a note on the role of hyperthermia in cancer treatment
4. Photo electric effect
5. Write a note as Beam Modifiers
6. personnel monitoring devices
7. Describe the pathological classification of testicular tumors
8. Write briefly about the various Brachytherapy Techniques used in the treatment of early stage Endometrial Carcinoma

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Post Graduate Degree Examination – MAY 2017

Time: Three Hours Max. Marks: 100 Marks

Diploma in MEDICAL RADIOTHERAPY (D.M.R.T)

PAPER- II

(Revised Scheme)

Q. P. CODE: 7152

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

LONG ESSAYS 2 x 20 = 40 Marks

1. Describe the anatomy and lymphatic drainage of esophagus. What are the risk factors for the development of esophageal carcinoma? Write on the role of chemo-radiotherapy in the definitive treatment of esophageal cancer.
2. How is cutaneous T cell lymphoma staged? Mention the role of radiotherapy in the treatment of CTCL. Write the technique of Total Skin Electron Beam Therapy.

SHORT ESSAYS 6 x 10 = 60 Marks

3. Heterotopic ossification
4. Whole abdominal radiotherapy for epithelial ovarian carcinoma
5. Evaluation and treatment guidelines for medulloblastoma
6. Treatment of Bone metastasis
7. Hepato-cellular carcinoma of liver
8. Pap smear

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Post Graduate Degree Examination – May 2017

Time: Three Hours Max. Marks: 100 Marks

Diploma in MEDICAL RADIOTHERAPY (D.M.R.T)

PAPER- III

(Revised Scheme)

Q. P. CODE: 7153

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

LONG ESSAYS 2 x 20 = 40 Marks

1. What are the advantages of 3 Dimensional Conformal Radiotherapy? What are the steps involved in the planning and execution of 3-D CRT?
2. Classify bone tumors. Write the staging of osteosarcoma. Enumerate the important prognostic factors. Write briefly on the curative treatment of a patient with osteosarcoma femur.

SHORT ESSAYS 6 x 10 = 60 Marks

3. Cisplatin.
4. Opioids in pain management
5. Ectopic ACTH secretion
6. Role and technique of Prophylactic cranial RT in Acute lymphocytic leukaemia
7. Medullary carcinoma of thyroid
8. Orthogonal field matching techniques

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