Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – Oct/Nov 2014

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

RADIOTHERAPY

PAPER – I (Revised Scheme)

Q.P. CODE : 7481

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 anatomy of brain and classify the brain tumors and describe the Malignant brain tumors management, in detail.
2. Classify the 4 Rs in Radiobiology and describe in detail their effect use in radiation treatment.

SHORT ESSAY **6 X 10 = 60 Marks**

3. Immobilization
4. Radiation dose sensitivity of normal organs in human body
5. Paraneoplastic syndrome
6. Effects of total body irradiation in nuclear explosion
7. Particulate radiations
8. Carcinogenesis

* * * * *

Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – Oct/Nov 2014

Time: Three Hours **Max. Marks: 100 Marks**

MD RADIOTHERAPY
PAPER- II (Revised Scheme)
Principles & Practice of Chemotherapy in Malignant Diseases, Preventive oncology, Palliative Care
Q. P. CODE: 7482

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

LONG ESSAYS **2 x 20 = 40 Marks**

1. Define chemotherapy induced febrile neutropenia in an adult and discuss its management
2. Discuss the diagnosis and management of a patient with Acute Promyelocytic leukemia.

SHORT ESSAYS **6 x 10 = 60 Marks**

3. Hemibody radiation
4. Bone marrow transplantation
5. Colorectal cancer screening and prevention
6. Rituximab
7. Tyrosine kinase inhibitors (TKI)
8. Superior vena caval obstruction

*****

Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Degree Examination – Oct/Nov 2014

Time: Three Hours **Max. Marks: 100 Marks**

MD RADIOTHERAPY

PAPER- III (Revised Scheme)

General Principles of Radiotherapy and Oncology. Principles and Practice of Radiotherapy of skin, head & neck, central and peripheral nervous system and GI tract tumors.

Q. P. CODE: 7483

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

LONG ESSAYS **2 x 20 = 40 Marks**

1. Discuss the management of upper Cervical lymph node metastasis with unknown primary tumor
2. Indication and techniques of radiotherapy in a four year old child with Medulloblastoma

SHORT ESSAYS **6 x 10 = 60 Marks**

3. Nasopharyngeal angiofibroma
4. Medullary thyroid cancer
5. Meningioma treatment
6. Discuss the role of radiotherapy in the management of Retinoblastoma
7. Accelerated fractionation
8. Proton beam therapy

*****