Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – JUNE 2016

[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 the anatomy of ovary and classify ovarian tumors and describe the staging of ovarian tumours
2. Describe in detail hyperthermia, techniques, advantages and disadvantages.

SHORT ESSAY 6 X 10 = 60 Marks

3. Neutrons
4. Radiosensitivity
5. Iimmuno histo chemistry
6. Collimator
7. Dose survival curves
8. Radiation safety measures and devices

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – JUNE 2016

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

RADIOTHERAPY CHEMOTHERAPY-PREVENTION AND PALLIATION

PAPER – II (Revised Scheme)

Q.P. CODE : 7482

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. Classify chemotherapy agents used in cancer treatment and describe their usage in combination therapy.
2. Discuss in detail metabolic emergencies in cancer and their management.

SHORT ESSAY 6 X 10 = 60 Marks

3. Palliative chemotherapy
4. Screening of oral malignancies.
5. Taxanes
6. Precautions while administration of cytotoxic agents and management of any complications
7. Management of malignant pleural effusion
8. Anemia in cancer

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - JULY 2016

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

RADIOTHERAPY

PRINCIPLES AND PRACTICE OF RADIOTHERAPY

PAPER – III (Revised Scheme)

Q.P. CODE : 7483

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 premalignant lesion of skin and sequelae of skin irradiation
2. Describe staging, and evaluation of oral cavity cancers. How do you manage $T_3N_0M_0$ oral tongue cancer?

SHORT ESSAY 6 X 10 = 60 Marks

3. Iodine therapy in thyroid
4. Ependymoma
5. Stage migration
6. Management of Pancreatic cancer
7. Intramedullary tumors
8. Cerebral edema

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - JULY 2016

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

RADIOTHERAPY

PAPER – IV (Revised Scheme)

Q.P. CODE : 7484

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 Radiation Proctitis and its management
2. Describe stage & management of Bilateral Retinoblastoma

SHORT ESSAY 6 X 10 = 60 Marks

3. Paediatric Brain Tumors
4. Management of invasive bladder cancer
5. Brachytherapy for soft tissue sarcoma
6. Techniques of irradiation of Orbital Lymphoma
7. Radiotherapy in Leukemia's
8. Limited stage small cell lung cancer

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Rajiv Gandhi University of Health Sciences

Post Graduate Degree Examination – NOV 2016

Time: Three Hours Max. Marks: 100 Marks

MD RADIOTHERAPY

PAPER – I (Revised Scheme)

Applied Anatomy, Pathology, Radiation Physics, Radio Biology

Q. P. CODE: 7481

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 Uterus and Staging of Endometrial carcinoma.

2. Discuss the beam modifying devices.

SHORT ESSAYS 6 x 10 = 60 Marks

3. Normal Tissue Tolerance doses of Critical organs

4. Discuss the ICRP standards for radiation Protection

5. Describe the late biological effects of ionizing radiation

6. 3D- Brachytherapy in Gynecological cancers

7. Linear Accelerator

8. Describe the anatomy and lymphatic drainage of Esophagus

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Rajiv Gandhi University of Health Sciences

Post Graduate Degree Examination – NOV 2016

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. Discuss WHO ladder for cancer pain management. What are the side effects of oral morphine and its management?

2. What are the principles of chemoprevention? Discuss the role of chemoprevention among patients with cancer of the breast.

SHORT ESSAYS 6 x 10 = 60 Marks

3. Management of Liver metastases

4. Taxanes

5. Exemestane

6. Tobacco related cancer

7. Vaccines for cancer prevention

8. Treatment of Testicular Lymphoma

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Rajiv Gandhi University of Health Sciences

Post Graduate Degree Examination – NOV 2016

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. What is stereotactic radiotherapy? Discuss in detail steps involved in the SRT management of AV malformation of the brain.
2. Describe the anatomy of Nasopharynx and management of stage III Nasopharyngeal cancer

SHORT ESSAYS 6 x 10 = 60 Marks

3. Aneurysmal Bone cyst
4. Plasmacytoma
5. Craniopharyngioma
6. Late effects of radiation
7. Proton Beam Therapy
8. Brachytherapy in esophageal cancer

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Rajiv Gandhi University of Health Sciences

Post Graduate Degree Examination – NOV 2016

Time: Three Hours | Max. Marks: 100 Marks

MD RADIOTHERAPY

PAPER- IV (Revised Scheme)

Principle and Practice of Radiatherapy of thoracic region, including breast, genito urinary system, lymphoretichlar system, musculo-skeletal system and paediatric tumors

Q. P. CODE: 7484

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

LONG ESSAYS 2 x 20 = 40 Marks

1. Discuss in detail loco-regional management of early stage breast cancer in a 40 year old woman.

2. Describe staging of Wilm's tumor and management of stage III unilateral tumor.

SHORT ESSAYS 6 x 10 = 60 Marks

3. Paraneoplastic syndromes in lung cancer

4. PSA

5. Sorafenib

6. Thymic carcinoma

7. Treatment of Brain secondaries

8. Treatment of stage I Testicular cancer (NSGCT)

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