Rajiv Gandhi University of Health Sciences

M.D. Degree Examination -May 2011

[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 Breast in details and classify tumors of breast tumors
2. Describe 4R'sof radiobiology

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

3. Beam modifiers
4. Heeleffect
5. LQ Model
6. Wedge filter
7. Wave Guide
8. Forward planning

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - May 2011

[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. Describe chemotherapeutic agents as radiosensitizers
2. Describe Biological Model of Chemotherapy

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

3. Breast screening
4. PAP Smear importance
5. Chemoprevention
6. Sorafinib
7. Palliation in advanced Head Neck cancer
8. Total body irradiation

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – May 2011

[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 various teletherapy equipment and discuss the advantages and disadvantages.
2. Discuss the management of cancer of oral cavity and in particular by radiotherapy

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

3. Squamous cell carcinoma of scalp
4. Glioblastoma multiforme
5. HIV positive malignancy
6. Beam modifiers
7. Brachytherapy applications used in cervical cancers
8. Management of radiation reactions of GI tract

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - May 2011

[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 endometrial ca. including pathological. Classification, staging and management
2. Describe the nodal stations in body in relation to Lymphoma

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

3. MMMT of Uterus
4. Ewing's sarcoma
5. Management of Hodgkin's Lymphoma
6. ICA for Ca Cervix and ICRU – 38 points
7. Radiation tolerance
8. ILRT in Ca Oesophagus

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – Nov 2011

[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 how do you plan a room facility for a linear accelerator with 10 mer photon beam and discuss the safety and dosimetric measures you require.
2. Describe anatomy of kidney classify and stage the renal tumors and work up- in relation to diagnosis and treatment purpose.

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

3. Cell- cycle its importance in treatment of cancer cells
4. Direct indirect effects on ionizing radiation on tissues
5. Rationale of altered fractionation
6. Oncogene
7. Radiation sensitizers
8. Compare L.D.R versus H.D.R

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – Nov 2011

[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. How do you stage Neuroblastoma? Discuss its management.
2. Define Antimetabolites. Discuss the management of Chronic Lymphocytic Leukaemia.

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

3. Chemoradiation in Penile cancer.
4. Hand Foot Syndrome.
5. Management of Chemotherapy induced Emesis.
6. Various mechanisms of chemotherapy drug resistance.
7. Metronomic Therapy
8. Late effects of Alkylating agents.

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination - Nov 2011

[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. Classify Hypopharyngeal tumours. Discuss the management of T2 No Mo Ca Pyriform sinus
2. What are differences between conformal Radiotherapy & Intensity Modulated Therapy? Describe in detail the management of peripheral Adenocarcinoma Lung

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

3. Discuss management of a localized SCC lesion in Buccal Mucosa
4. Discuss management of Carcinoma posterior 1/3rd of Tongue
5. Management of Medulloblastoma
6. Discuss multimodality Treatment in carcinoma Rectum
7. Management of carcinoma Cunjunctiva
8. Management of Thymoma

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – Nov 2011

[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 FIGO staging of Ca Cervix. Discuss stage wise treatment by Radiotherapy. Enumerate the indications of surgery in its management.
2. Describe TNM staging in Ca Breast. Discuss the management of T2 N1 M0 lesion in upper outer quadrant of left Breast in a 35 years old lady.

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

3. Management of Ca Anal Canal.
4. Management of Neuroblastoma in 2yrs old child.
5. Discuss management of organ confined Prostate Cancer.
6. Describe management of Soft tissue Sarcoma arising in medial compartment of Thigh.
7. How will you treat a case of Marjolin's ulcer arising in sole?
8. Treatment of Mycosis Fungoides.

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