Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – September 2007

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

RADIOTHERAPY

PAPER I

(Revised Scheme)

QP 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. What are the common properties of x-rays and gamma rays? Mention the differences between them.
2. Write an essay on particle therapy.

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

3. Pathology of NHL
4. Lymphatic drainage of lung
5. LET
6. Tumor suppressor genes
7. Beam directing devices
8. Molecular techniques in radiobiology

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – September 2007

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

RADIOTHERAPY

CHEMOTHERAPY – PREVENTION AND PALLIATION - PAPER II

(Revised Scheme)

QP 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. Discuss the place of cytotoxic therapy in the management of tumors of the testis. Describe in detail a regimen appropriate for a 23-year-old man with pulmonary metastases arising from an undifferentiated malignant teratoma.
2. Describe the measures, which can be used in the treatment of server pain in a patient with advanced cancer.

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

3. Bisphosphonates
4. CA-125
5. Colposcopy
6. NCCP
7. Anti oxidants
8. Cell cycle and its relevance to chemotherapy

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RADIOTHERAPY

PRINCIPLES AND PRACTICE OF RADIOTHERAPY - PAPER III

(Revised Scheme)

QP 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. Which neoplastic disorders commonly disseminate in the cerbro-spinal fluid? Discuss the place of radiotherapy in their management.
2. Discuss in detail the treatment of carcinoma of the anal canal.

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

3. Intra vascular brachytherapy
4. Malignant melanoma
5. Nasopharyngeal angio-fibroma
6. CA-19.9
7. Extramedullary plasmacytoma
8. Protons in radiotherapy

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Rajiv Gandhi University of Health Sciences

M.D. Degree Examination – September 2007

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RADIOTHERAPY

PAPER IV

(Revised Scheme)

QP 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 the radio therapeutic management of a woman aged 40 who has a stage-II carcinoma of the cervix. Give a brief note on merits of recent development in its managements.
2. Describe how you would investigate and stage a 3-year-old child who is thought to have a nephroblastoma. Indicate the place of radiotherapy and chemotherapy in managing the disease according to stage.

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

3. Photodynamic therapy
4. Bowen's disease
5. Farmestane
6. Hypereosinophilic syndrome
7. Primary CNS lymphoma
8. Disseminated intravascular coagulation (DIC)

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