Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 14-Jul-2020

Time: Three Hours | Max. Marks: 100 Marks

RADIOTHERAPY - PAPER – I (RS-2/RS-3)

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

Answer All The Questions | 10 x 10 = 100 Marks

1. Explain percentage depth dose and explain the PDD characteristics of Electron beam.
2. Alpha/Beta ratio.
3. Cranial nerves involved in nasopharyngeal cancer and syndromes.
4. PET Scan.
5. Wedge filter.
6. Radioisotopes used in pain management.
7. Flow cytometry.
8. Gap correction in radiation treatment.
9. Compton effect.
10. Clinical anatomy of maxillary antrum and clinical significance.

Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 16-Jul-2020

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

RADIOTHERAPY - PAPER- II (RS-2/RS-3)
Principles and 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.

Answer All The Questions 10 X 10 = 100 Marks

1. Who pain ladder and quality of life issues in head and neck cancer?
2. Cancer cervix screening.
3. Her 2 NEU receptor antagonists.
4. Classify acute leukemia and describe treatment of any one.
5. Chemo radiation-advantages and disadvantages.
6. Describe the management of diffuse large B cell lymphoma.
7. Doxorubicin.
8. Management of deep vein thrombosis.
9. Latest development in management of glioblastoma multiforme.
10. Hepatocellular carcinoma.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 18-Jul-2020

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

RADIOTHERAPY - PAPER- III (RS-2/RS-3)

General Principles of Radiotherapy and Oncology,
Principles and Practice of Radiotherapy of skin, Head & neck,
Central and Peripheral Nervous System, GI Tract Tumors.

Q. P. CODE: 7483

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

Answer All The Questions 10 X 10 = 100 Marks

1. Management of right tempero parietal glioblastoma multiforme in A 55 years old individual.
2. Implant dosimetry in current practice.
3. Iodine-131 therapy.
4. Management of spinal secondaries.
5. Management of carcinoma Nasopharynx T3 N3 MO
6. Nutritional support in Head and Neck Malignancies.
7. Management of carcinoma Anal Canal T3 N1M0
8. Respiratory gating in image guided radiotherapy.
9. Management of soft tissue sarcoma in a young adult.
10. Craniopharyngioma.

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Rajiv Gandhi University of Health Sciences, Karnataka

M.D. Degree Examination – 20-Jul-2020

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

RADIOTHERAPY - PAPER- IV (RS-2/RS-3)

Principle and Practice of Radiotherapy of Thoracic Region, Including Breast, Genito Urinary System, Lymphoreticular 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.

Answer All The Questions 10 X 10 = 100 Marks

1. Explain management of T2N0M0, ER+, HER2+ Breast cancer.
2. Medulloblastoma.
3. Treatment of T2N1M0, NSCLC adenocarcinoma with ECOG performance status 1.
4. Management of stage II B Hodgkin's Lymphoma.
5. Role of radiation treatment in carcinoma of Urinary bladder.
6. Radiation induced malignancy.
7. Brachytherapy in Penile carcinoma.
8. Management of malignant spinal cord compression.
9. Radiation Proctitis.
10. Hypofractionation in Breast cancer.

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