Rajiv Gandhi University of Health Sciences, Karnataka

Post Graduate Diploma Examination – 21-Jun-2024

Time: Three Hours | Max. Marks: 100 Marks

DIPLOMA IN MEDICAL RADIOTHERAPY (D.M.R.T)
PAPER- I (RS-2/RS-3)
Q. P. CODE: 7151

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. Discuss the Principles of Combining Chemotherapy with radiotherapy.
2. Enumerate the steps of calculation of treatment time on a telecobalt unit.
3. 4 Rs of Radiobiology.
4. Radiation myelopathy.
5. Staging of Non-Hodgkin's lymphoma.
6. Write in brief on Arrhenius plot, and on thermo-tolerance.
7. Thermo-luminescent dosimeters.
8. Classify brachytherapy according to dose rates. What are the advantages and disadvantages of HDR brachytherapy over LDR brachytherapy?
9. Discuss the anatomy and lymphatic drainage of Breast. How is this knowledge useful for a Radiation oncologist.
10. Maximum permissible dose and its importance.

Post Graduate Diploma Examination – 24-Jun-2024

Time: Three Hours | Max. Marks: 100 Marks

Diploma in Medical Radiotherapy (D.M.R.T)
PAPER - II (RS-2/RS-3)
Q. P. CODE: 7152

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. What are the methods to decrease the toxicity by conformal radiation of Head and Neck cancers? Mention about the Tolerance doses of OARs in Head and Neck.
2. Classify Orbital Tumors and explain the role of Radiotherapy in Orbital Lymphoma.
3. Write about –a) Sentinel lymph node biopsy b) Dental care in oral cancers.
4. How do you manage a patient with Brain metastasis, with carcinoma breast?
5. Role of Radiotherapy in soft tissue sarcoma and mention in detail Brachytherapy in extremity soft tissue sarcoma.
6. Short notes – a) Trastuzumb b) Cetuximab
7. Short notes – a) Malignant Melanoma b) Whole abdominal Radiotherapy
8. IORT (Intra Operative Radiotherapy)
9. Short notes – a) Mould therapy b) Strontium 90
10. Describe the Guidelines and Screening modalities in Carcinoma Cervix

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Post Graduate Diploma Examination – 26-Jun-2024

Time: Three Hours | Max. Marks: 100 Marks

DIPLOMA IN MEDICAL RADIOTHERAPY (D.M.R.T)
PAPER- III (RS-2/RS-3)
Q. P. CODE: 7153

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. Describe Lymphatic Drainage of rectum. How do you manage locally advanced Carcinoma rectum?
2. Write about work up and staging of Carcinoma Penis. Explain about role of Brachytherapy and technique.
3. Short notes on – a) Radiation Cystitis b) Adenoid Cystic carcinoma of Parotid
4. Write about staging, work up of carcinoma cervix. How do you manage stage II.B Ca cervix?
5. Describe indications, technique, dose schedule and results of Radiotherapy in Wilm's Tumor.
6. What are indications and contraindications for Breast Conservative Surgery? Explain Accelerated partial breast irradiation.
7. Short notes on – a) Giant Cell Tumor of Bone b) Pre RT-Dental care
8. Short notes on a) Lung Bath b) Mould therapy
9. Short notes on a) Malignant Melanoma b) EGFR
10. Explain various techniques of Radiotherapy in management of Hodgkin's Lymphoma.

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