

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

WARANGAL, TELANGANA STATE – 506 002

M.D/ M.S DEGREE SUPPLEMENTARY EXAMINATIONS: MAY,2025

RADIATION ONCOLOGY (RT)

PAPER – IV

(CLINICAL SUBJECTS IN RELATION TO RADIOTHERAPY)

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions.

Give Diagrammatic representation wherever necessary.

Write a short essay on the following:

10 X 10 = 100

1. Elaborate on the role of MRI in the management of Rectal Cancers.
2. Explain the functional segments in Liver? How will you evaluate a patient with suspected Hepatocellular Carcinoma? What are the characteristics features of HCC on 4D-CT?
3. Explain the rationale for Neoadjuvant chemotherapy in Head and Neck Cancers. When will you consider the use of NACT in Head and Neck Cancers?
4. Elaborate the role of Stereotactic Body Radiotherapy in the management of stage I Non-small Cell Lung Cancer?
5. Describe the Bladder Preservation Strategies that could be considered in a patient with muscle invasive Bladder Cancer? What are the contraindications to the use of Bladder Preservation Strategies?
6. What are the symptoms of Raised Intracranial Pressure? Write on the management of Raised Intracranial Pressure.
7. What are the different molecular subtypes of Breast Cancer? How will you plan adjuvant treatment for a Postmenopausal lady with a pT2N0M0: Estrogen Receptor Positive, Her2/ neu –ve infiltrating Ductal carcinoma with a Ki-67 of 40%?
8. Compare the use of Denosumab and zoledronic Acid in the management of Symptomatic Bone Metastases.
9. Explain the role of Intensive Surveillance following treatment of Colon Cancers.
10. What is meant by Cancer Cachexia. what are the strategies that can be considered for management of Cancer Cachexia?
