

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

WARANGAL, TELANGANA– 506 002

M.D/ M.S DEGREE EXAMINATIONS: OCTOBER 2025

RADIATION ONCOLOGY (RT)

PAPER – IV

Time: 3 Hours.

Max Marks: 100

Note: Answer all questions.

Give Diagrammatic representation wherever necessary.

Write an essay on the following:

10 X 10 = 100

1. Classify Chemotherapeutic Drugs. What is the basis of Polychemotherapy?
2. What are the Molecular Biomarkers in Colonic Cancer? Discuss their Therapeutic Implications.
3. What are Genomic Tests for Breast cancer Recurrence scoring and their Therapeutic Implication?
4. Discuss the role of Monoclonal Antibodies in solid Tumours.
5. Discuss the role of HIPEC (Hyperthermic Intraperitoneal Chemotherapy) in Ovarian Cancer.
6. What are the malignant neoplasms associated with Acquired Immunodeficiency Syndrome?
7. Discuss the role of Sentinel Node Biopsy in Oncological Practice. Write about the indications and technique of Sentinel Node Biopsy in Breast Cancer.
8. Discuss the various targeted therapies and their sides effects that are used in Non-Small Cell Lung Cancer.
9. How will you manage Bone Metastases in Cancer?
10. What are the indications and options of Hormone Therapy in Prostate Cancer?
