

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

WARANGAL, TELANGANA STATE – 506 002

M.D/ M.S DEGREE SUPPLEMENTARY EXAMINATIONS: MARCH 2026

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. Indications, techniques, advantages and Pitfalls of PET MRI in the staging workup of a freshly detected Cancer patient.
2. Indications, techniques, rationale and benefits of Photodynamic Therapy in Oncology.
3. Write a short note on Total Skin Electron Beam Therapy with regard to underline principles, techniques, clinical implications and challenges involved.
4. Role of Brachytherapy in Palliative treatment of Oesophageal Cancers.
5. Screening of Cancer and its goal, using one tumour site as an example.
6. Diagnosis, histopathological features and management of a case of Pelvic rhabdomyosarcoma.
7. Molecular classification of Breast cancer and its clinical implications.
8. Write a note on deterministic and stochastic effects of radiation.
9. Compare Long verses Short course preoperative radiotherapy in Rectal cancer.
10. What should be the institutional Protocol and ideal approach for radiotherapy during a Pandemic?
