

PAPER CODE: 1070

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 – I

(BASIC SCIENCES)

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. What are the current recommendations of Image Guided Brachytherapy?
2. Histological classification of :
 - a. Hodgkin's Lymphoma.
 - b. Non-Hodgkin's Lymphoma.
3. What is Cell Survival Curve? Discuss the various components of the Curve.
4. Discuss the various Phases of Clinical trials. What are Univariate and Multivariate Analysis?
5. Describe the Lymphatic drainage of Breast with a well labelled Diagram.
6. Describe various Beam Modifying Devices.
7. Discuss "ICRU 89" for image guided Brachytherapy.
8. Describe the method and logic of evaluating Radiotherapy treatment plans with dose volume histogram and biological indices.
9. Explain the importance of Prostate Specific Antigens in diagnosis and treatment of Carcinoma Prostate.
10. Diagnosis, pathogenesis and management of Tumour lysis Syndrome.
