

**Q.P.CODE:164-NR**

*Dr. NTR University of Health Sciences::Vijayawada-520 008*  
M.D. DEGREE EXAMINATION – MAY, 2017

**RADIOTHERAPY**

PAPER-I : Basic Sciences

Time: 3 Hours

Max. Marks:100

Note: Answer all questions

All questions carry equal marks

Draw neat diagrams wherever necessary

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WRITE SHORT ESSAYS ON THE FOLLOWING:

- 1) Discuss Linear Quadratic model
  - 2) Anatomy and Lymphatic drainage and its significance in cancer of Breast
  - 3) Describe levels of neck nodes-anatomical and radiological
  - 4) What is Percentage Depth Dose (PDD)? Describe factors affecting Percentage Depth Dose.
  - 5) Discuss 4-R's in Radiobiology
  - 6) Hyperthermia
  - 7) Mammography
  - 8) Bragg peak effect
  - 9) Sub Lethal damage
  - 10) Kaplan Meier survival curve
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