

Q.P.CODE:164-NR

DR NTR UNIVERSITY OF HEALTH SCIENCES:: VIJAYAWADA
M.D. DEGREE EXAMINATION – APRIL, 2018
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

WRITE SHORT ESSAYS ON THE FOLLOWING:

- 1) Reoxygenation
- 2) RBE (Relative Biological Effectiveness)
- 3) Population based cancer registry
- 4) Oncogenes
- 5) Pathology of Hodgkin's disease
- 6) What is the difference between Photoelectric effect and Compton Effect and its clinical significance?
- 7) Beam modifying devices
- 8) Californium as a brachytherapy source
- 9) Cell survival curve for sparsely and densely ionizing radiations
- 10) Discuss the current status of MRI in Breast cancer.
