

**Q.P.CODE:167-NR**

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

**RADIOTHERAPY**

Paper-IV : Clinical subjects in relation to Radiotherapy

Time: 3 Hours

Max. Marks: 100

Note: Answer all questions

All questions carry equal marks

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WRITE SHORT ESSAYS ON THE FOLLOWING:

- 1) Discuss the recent advances in the management of early stage breast cancer with special emphasis on radiation techniques.
- 2) X-knife
- 3) Cone beam therapy
- 4) Targeted therapy
- 5) Proton Beam Therapy
- 6) What are different volume specifications for conformal radiation therapy?
- 7) MRI-PET scan
- 8) PDR brachytherapy
- 9) Digitally Reconstructed Radiographs
- 10) Carbon Ion Radiotherapy

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