

**Q.P.CODE:165-NR**

DR NTR UNIVERSITY OF HEALTH SCIENCES:: VIJAYAWADA

**M.D. DEGREE EXAMINATION – APRIL, 2018****RADIOTHERAPY**

Paper-II : Principles and Practice of Radiotherapy

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) Describe the pathology and staging of carcinoma cervix
- 2) Rationale of postoperative radiotherapy
- 3) Management of brain metastases
- 4) Principles of palliative radiotherapy.
- 5) Rationale of combining photon beam therapy and electron beam therapy.
- 6) Concomitant boost
- 7) Hyperthermia
- 8) Classification of dose rate in brachytherapy and advantages of High dose rate brachytherapy.
- 9) What are the steps to be taken to avoid long term complications in clinical radiotherapy?
- 10) Breast conservation therapy

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