

# ANDHRA PRADESH PARAMEDICAL BOARD, HYDERABAD

COMBINED PARAMEDICAL (REGULAR) EXAMINATIONS, DECEMBER, 2017

## DIPLOMA IN RADIOTHERAPY TECHNICIAN COURSE

### PAPER III

Radiation Therapy Physics, Radiation Hazards & Protection

Time: 3hrs.

Answer any TEN Questions

Total Marks:80

All Questions carry equal marks

**Write the entire answer to a question at one place only but not in different stages**

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1. Write about the ideal Radiotherapy Techniques for Ca. Breast after Lumpectomy, Simple Mastectomy and Radical Mastectomy.
2. Discuss the advantages and disadvantages of preoperative and postoperative Radiotherapy.
3. Write about the Dose dependent effects of Accidental Radiation Exposure.
4. How do you prevent Breast Cancer? Write about the screening methods to detect Breast Cancer.
5. Quality Assurance of Linear Accelerator.
6. How do you manage a spill of unsealed Radioactive Source in a Hospital? What are the Regulatory Requirements?
7. Write about Acute and Delayed Complications of Radiotherapy in Pelvic Malignancies.
8. Write about ALARA. What are the prescribed limits of Radiation Doses to various populations and to Different Organs?
9. Write about the critical care equipment required in a cancer hospital. Describe the procedure of Cardio Pulmonary Resuscitation (CPR).

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