

# **ANDHRA PRADESH PARAMEDICAL BOARD, HYDERABAD**

**COMBINED PARAMEDICAL (REGULAR) EXAMINATIONS, DECEMBER, 2017**

## **DIPLOMA IN RADIOTHERAPY TECHNICIAN COURSE**

### **PAPER I**

**Anatomy, Physiology & Pathology**

Time: 3hrs.

Total Marks:80

Answer any **TEN** Questions

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 anatomy, lymphatic drainage of Tongue and stage of Tongue Cancer.
2. Write about anatomy and lymphatic drainage of Prostate and classify Prostate Tumors.
3. Classify the types of malignancies based on their tissues of origin.
4. Discuss in brief various types of biopsies.
5. Classify Ionizing Radiations. Describe in brief each type.
6. What are X-Ray Generators? Write about a)Linearaccelerator  
b)Cyclotron.
7. Discuss the mechanism, advantages and disadvantages of Film Badge and TLD.
8. Describe in a Table, the properties, uses, advantages and disadvantages of Radium-226, Cobalt-60 and Caesium-137.
9. Write about the functions of WBC and platelets and how they are affected in Chemotherapy?
10. Define various radiation units. Write about exposure, absorbed dose and activity.
11. Discuss the Anode and Cathode structures of diagnostic and therapy X-Ray Tubes.
12. Write about the types of Statistical Data Display.