

## Time: 3 hours

Max. Marks:75

- I. Give the meaning of the following 1x4=4  
a) Hypersensitivity      b) Ionizing Radiation      c) Fimbriae      d) Histology
- II. Fill in the blanks 1x4=4  
a) Exocrine glands secrete \_\_\_\_\_  
b) Space between two lungs is called as \_\_\_\_\_  
c) Receptors for bright light and colour vision is \_\_\_\_\_  
d) Tail of the spinal cord is called as \_\_\_\_\_
- III. Write short notes on any FOUR of the following 4x4=16  
a) Structure of cell  
b) Sources of infection.  
c) Humerus bone  
d) Preparation and Examination of Smears.  
e) Muscles of the upper Arm.
- IV. a) What is Peristalsis? 1+4+3=8  
b) Draw the structure of Stomach and label the parts.  
c) Write the enzymes present in Gastric juice.
- V. a) What are Endocrine Glands? 1+2+3=6  
b) List the Endocrine Glands.  
c) Explain about Adrenal Gland and its Hormones.

## SECTION - II

- VI. State whether the following statements are TRUE or FALSE** **1x4=4**
- a) The right atrio Ventricular Valve is also called as Mitral Valve.  
b) Diaphragm Relaxes during Expiration.  
c) Gas Gangrene is caused by Clostridium welchi.  
d) Fluid present in the inner Ear is CSF.
- VII. Choose the correct answer and write.** **1x3=3**
- a) The innermost layer of Brain is  
i) Endocardium                      ii) Piamater                      iii) Duramater  
b) The fertilized Ovum is called as  
i) Zygote                      ii) Sperm                      iii) Ova  
c) Brain and Spinal cord are the parts of  
i) Central Nervous system      ii) Peripheral Nervous system      iii) Autonomic Nervous system
- VIII. Write short notes on any FOUR of the following** **4x4=16**
- a) Mechanism of Hearing  
b) Functions of Bronchi, Bronchioles and Alveoli.  
c) Functions of Kidney.  
d) Blood Groups.  
e) Types of Muscles and its functions.
- IX.** a) What is Nosocomial Infection? **2+2+3=7**  
b) List few Nosocomial Infection  
c) How will you prevent cross infection in Hospital?
- X.** a) Name the outer, middle and inner layer of the Eye. **2+5=7**  
b) Briefly explain about Refractive Errors.
- OR**
- a) Name the outer, middle and inner structures of Ear.  
b) Explain about Cochlea and Vestibule.

OR