



## IPE MODEL :: ZOOLOGY

**Syllabus:** UNIT-IA : DIGESTIVE SYSTEM, UNIT - IB : RESPIRATORY SYSTEM, UNIT - IIA,  
UNIT - IIB, LOCOMOTION AND MOVEMENT: UPTO SKELETAL SYSTEM – AXIAL SKELETON

### SECTION-A

**I. VSAQ: Answer ALL the questions. 10 x 2= 10 M**

1. Name the ear ossicles and their evolutionary origin in human beings.
2. Define glomerular filtration.
3. What is meant by chloride shift.
4. Give the dental formula of adult human beings.
5. Distinguish between red muscle fibres and white muscle fibres.
6. Name the heart sounds, when are they produced.
7. Name the different types of papillae present on the tongue of man.
8. Name the two cranial sutures and their locations.
9. Distinguish between the enzymes renin and rennin.
10. What is triad system?

### SECTION-B

**II. SAQ: Answer any SIX of the following questions. 6 x 4 = 24 M**

11. Write short notes on the ribs of human being.
12. What is Cori's cycle- explain the process.
13. Draw a neat labelled diagram of L.S. of tooth.
14. Describe disorders of respiratory system.
15. Give a brief account of the counter current mechanism.
16. Describe the events in the cardiac cycle, briefly.
17. What are the functions of liver.
18. Explain the process of inspiration and expiration under normal conditions.

### SECTION-C

**III. LAQ: Answer any TWO of the following questions. 2 x 8 = 16 M**

19. Explain the mechanism of muscle contraction.
20. Describe the excretory system of man, giving the structure of a nephron.
21. Describe the structure of the heart of man with the help of neat labelled diagram.