

## Zoology Model Paper

**Time : 3 Hours**

**Max. Marks:60**

### SECTION - A

**VSAQ: Answer all questions**

**10 × 2 = 20**

1. Differentiate between protostomia and deuterostomia.
2. What is the strongest cartilage? In which regions of the human body, do you find it?
3. Distinguish between holocrine and apocrine glands.
4. Mention the animals that exhibited a 'tube-within-a-tube' organization for the first time. Name their body cavity.
5. What is Aristotle's lantern? Give one example of an animal possessing it.
6. What is 'wishbone'? What are the skeletal components that form it?
7. Distinguish between Proter and Opisthe.
8. What are dynein arms? What is their significance?
9. Entamoeba histolytica is an 'obligate anaerobe'. Justify.
10. What is cyclomorphosis? Explain its importance in Daphnia.

### SECTION - B

**SAQ: Answer any 6 of the following.**

**6 × 4 = 24**

11. What are the reasons for greater Biodiversity at tropics?
12. Explain Haversian system.
13. Compare briefly a centipede and a millipede.
14. What are the modifications that are observed in birds that help them in flight?
15. Give an account of pseudopodia.
16. Write short notes on Cannabinoids.
17. Draw a neat labeled diagram of the salivary apparatus of cockroach.
18. Describe 'Greenhouse effect'.

### SECTION - C

**LAQ: Answer any two of the following**

**2 × 8 = 16**

19. Describe the structure and life history of Ascaris lumbricoides with neat and labeled diagrams.
20. Describe the blood circulatory system of Periplaneta in detail and draw neat and labeled diagrams.
21. Describe lake as an ecosystem giving examples for the various zones and the biotic components in it.