

## Intermediate Zoology Model Papers

### Zoology, Paper-I

(English Version)

Time: 3 Hours

Max. Marks: 60

#### SECTION – A

I. Answer **All** the following questions.

10 × 2 = 20

1. Write the full form of IUCN. In which book threatened species are enlisted?
2. What are retroperitoneal organs?
3. What is the strongest cartilage? In which regions of the human body do you find it?
4. Define Osteon.
5. Which arthropod, you have studied is called a living fossil? Name its respiratory organs.
6. Name the three meninges. In which group of animals do you find all of them?
7. Distinguish between lobopodium and filopodium. Give an example to each of them.
8. Distinguish between proter and opisthe.
9. What is meant by nocturnal periodicity with reference to the life history of a nematode parasite you have studied?
10. Distinguish the terms phototaxis and photokinesis.

#### Section - B

II. Answer **Any Six** of the following questions.

6 × 4 = 24

11. Define species. Explain the various aspects of "species".
12. Describe the structure of a multipolar neuron.
13. Cephalopods show several unique or advanced features when compared to the other mollusca. Discuss briefly.
14. Compare and contrast cartilaginous and bony fishes.
15. Give an account of pseudopodia.
16. "Prevention is better than cure". Justify with regard to TDA abuse.
17. Draw a neat labelled diagram of salivary apparatus in cockroach.
18. Describe "Greenhouse effect".

**Section - C**

III. Answer **Any Two** of the following questions.

**2 × 8 = 16**

19. Describe different types of food chains that exist in an ecosystem.

20. Describe the life cycle of *Plasmodium vivax* in female *Culex*.

21. Describe the digestive system of cockroach with the help of neat labelled diagram.

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