

## Junior Inter Zoology Model Paper

### Zoology, Paper-I (English Version)

Time: 3 Hours

Max. Marks: 60

#### Section - A

I. Answer all the following questions. 10 \* 2 = 20

1. What is meant by Tautonymy? Give two examples.
2. What is Cephalization? How is it useful to its possessors?
3. Mention the animals that exhibited 'tube-within-a-tube' organization for the first time. Name their body cavity.
4. Define Osteon.
5. What is Aristotle's lantern. Give one example of an animal possessing it.
6. How does the heart of an amphibian differ from that of a reptile?
7. Distinguish between Proter and Opisthae.
8. What is Kinesis?
9. What is meant by nocturnal periodicity with reference to the life history of a nematode parasite you have studied?
10. Define commensalism and mutualism. Give one example of each.

## Section - B

**II. Answer Any Six of the following questions. 6 \* 4 = 24**

11. What is the Evil Quartet?
12. Describe the three types of cartilages.
13. What are the chief characters of the Crustacea.
14. What are the modifications that are observed in birds that help them to flight?
15. What are lateral appendages? Based on their presence and absence, write the various types of flagella giving at least one example for each type.
16. Prevention is better than cure. Justify with regard to TDA abuse.
17. Draw a neat labeled diagram of salivary apparatus of cockroach.
18. Describe Greenhouse effect.

## Section - C

**III. Answer Any Two of the following questions. 2 \* 8 = 16**

19. Describe the life cycle of Plasmodium vivax in mosquito.
  20. Describe the circulatory system of Periplaneta in detail and draw a neat and labeled diagram of it.
  21. Describe different types of food chains that exist in an ecosystem.
-