

BOARD OF INTERMEDIATE EDUCATION

JUNIOR INTER ZOOLOGY

MODEL PAPER

Time: 3 hours

Max. Marks: 60

SECTION - A

I. i) Very short answer type questions.

ii) Answer ALL questions.

iii) Each question carries TWO marks.

10 × 2 = 20

1. Define species richness.
2. What is cephalization? How is it useful to it's possessors?
3. What is the haematocrit value?
4. What is Aristotle's lantern? Give one example of an animal possessing it?
5. Distinguish between milt and spawn.
6. Distinguish between lobopodium and filopodium. Give an example to each of them.
7. What is meant by nocturnal periodicity with reference to the life history of a nematode parasite you have studied?
8. Inspiration in cockroach is a passive process and expiration is an active process. Justify.
9. How does your body solve the problem of altitude sickness, when you ascend tall mountains?
10. What is 'Force Pump' in frog? Why is it named so?

SECTION - B

II. i) Short answer type questions.

ii) Answer any SIX questions.

iii) Each question carries FOUR marks.

6 × 4 = 24

11. Define species. Explain various aspects of species.
12. Describe the three types of cartilage.
13. What are the chief characters of the crustaceans?
14. Compare and contrast cartilaginous and bony fishes.
15. Give an account of pseudopodia.
16. Distinguish between addiction and dependence.
17. Draw a neat labelled diagram of ommatidium.
18. Explain Van't Hoff's rule.

SECTION – C

III. i) Long answer type questions.

ii) Answer any TWO questions.

iii) Each question carries EIGHT marks.

2 × 8 = 16

19. Write an essay on temperature as an ecological factor.

20. Describe the respiratory system of cockroach with the help of neat labelled diagrams?

21. Describe the life cycle of plasmodium vivax in mosquito.

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