

BOARD OF INTERMEDIATE EDUCATION
JUNIOR INTER ZOOLOGY

MODEL PAPER (English Version)

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. Differentiate the tendon and ligament.
3. What is meant by haematocritic value?
4. Define osteon.
5. Name the excretory cells of flat worms. What is their primary function?
6. Name the four extra embryonic membranes.
7. Define conjugation in ciliates. Write two examples.
8. Draw labelled diagram of a flagellum.
9. Differentiate lymphangitis and lymphadenitis.
10. What is green house effect?

SECTION – B

II. (i) Short Answer Type Questions.

(ii) Answer any SIX questions.

(iii) Each question carries FOUR Marks.

6 × 4 = 24

11. Write short notes on biodiversity hot spots.
12. Describe the structure of a multipolar neuron.
13. Explain the important characters of echinoids.
14. What are the adaptations found in birds to fly.
15. Describe transverse binary fission in *Paramecium*.
16. Write short notes on Opioids.
17. Draw labelled diagram of ommatidium of cockroach and explain its structure.
18. Explain Vant Hoff rule.

SECTION – C

III. (i) Long Answer Type questions.

(ii) Answer any TWO questions.

(iii) Each question carries EIGHT Marks.

2 × 8 = 16

19. Describe energy flow in an ecosystem.

20. Describe blood circulatory system in *Periplaneta* in detail and draw a neat labelled diagram.

21. Describe structure and life history of *Ascaris lumbricoides* with labeled diagrams.

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