

**0131**

SET .



Total No. of Questions - 33  
Total No. of Printed Pages - 3

Regd. No. \_\_\_\_\_

**Part - III**  
**ZOOLOGY, Paper - I**  
**(English Version)**

**Time : 3 Hours****Max. Marks : 60****SECTION - A****10 × 2 = 20**

- Note:** (i) Answer **ANY TEN** Questions.  
(ii) Each Question carries **TWO** marks.  
(iii) All are very short answer type questions.

1. What does ICZN stand for?
2. What is meant by tautonymy? Give two examples.
3. Distinguish between a tendon and a ligament.
4. What is Aristotle's lantern? Give one example of an animal possessing it.
5. Distinguish between milt and spawn.
6. What is a hyper-parasite? Mention the name of one hyper-parasite.
7. What is biogenesis?
8. Distinguish between holocrine and apocrine glands.
9. What are circadian rhythms?
10. What is a Sesamoid bone? Give an example.
11. What are the functions of canal system of sponges?
12. Define species richness.

13. What do you call the first and second pairs of cephalic appendages of a scorpion?
14. What are elasmobranchs? Which group of fishes possesses them?
15. Define neoplasia. Give one example.

### SECTION - B

6 × 4 = 24

- Note:**
- (i) Answer **ANY SIX** questions.
  - (ii) Each question carries **FOUR** marks.
  - (iii) All are of short answer type.

16. Draw a neat and correct diagram of a flower with labels wherever necessary.

17. Define **Rivet Popper**. Give an example.

18. Define **biological magnification**.

19. Define **biological diversity**. Give the factors below. Write short notes on any two of them. (10 marks)

20. Give two reasons why there is greater biodiversity in the tropics?

21. Compare and contrast cartilaginous and bony fishes.

22. Describe the structure of a multipolar neuron.

23. What is **gout**? Give the causes of this disease. (4 marks)

24. What is the **cell cycle**? (2 marks)

25. Explain the pathogenesis of the disease of a **one-celled man**.

26. What is the **biological classification** of the birds? Give two examples of each class.

27. What are the adverse effects of tobacco?

28. Write short notes on **pneumonia** and its **prophylaxis**.

29. How do terrestrial animals protect themselves from the danger of dehydration of bodies?

30. Distinguish between **euryhaline** and **stenohaline** animals.

2 × 8 = 16

### SECTION - C

- Note:**
- (i) Answer **ANY TWO** questions
  - (ii) Each question carries **EIGHT** marks.
  - (iii) All are long answer type questions.
  - (iv) Draw labelled diagrams wherever necessary.

30. Describe the digestive system and process of digestion in *Pheretima*.
31. Describe the life cycle of *Plasmodium vivax* in mosquito.
32. Describe different types of food chains that exist in an ecosystem.
33. Give an account of "formed elements" of Blood.
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