



131

I

Total No. of Questions : 21

Total No. of Printed Pages : 2

Reg. No.

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Part – III
ZOOLOGY
Paper – I
(English Version)

Time : 3 Hours

Max. Marks : 60

Note : Read the following instructions **carefully**.

- (1) Answer **ALL** the questions of **Section – A**. Answer **ANY SIX** questions in **Section – B** and answer **ANY TWO** questions in **Section – C**.
- (2) In **Section – A**, questions from Sr. Nos. 1 to 10 are Very Short Answer Type. Each question carries **TWO** marks. Every answer may be limited to 5 lines. Answer **ALL** question at **one** place in the **same** order.
- (3) In **Section – B**, questions from Sr. Nos. 11 to 18 are of Short Answer Type. Each question carries **FOUR** marks. Every answer may be limited to 20 lines.
- (4) In **Section – C**, questions from Sr. Nos. 19 to 21 are of Long Answer Type. Each question carries **EIGHT** marks. Every answer may be limited to 60 lines.
- (5) Draw labelled diagrams **wherever** necessary in **Section – B** and **C**.

SECTION – A**(10×2=20)****Note :** Answer **ALL** the questions in 5 lines each.

1. Differentiate between protostomia and deuterostomia.
2. What does ICZN stand for ?
3. What is the haematocrit value ?
4. Mention the animals that exhibited a 'tube-within-a-tube' organisation for the first time.
Name their body cavity. 
5. Distinguish between amphids and phasmids.
6. What is botryoidal tissue ?



7. Draw a labelled diagram of T.S. of Flagellum.
8. What do you mean by parasitic castration ? Give one example.
9. Define neoplasia. Give one example. 
10. Mention the advantages of some UV rays to us.

SECTION - B

(6×4=24)

Note : Answer **ANY SIX** questions in **20** lines **each**.

11. Define species. Explain the various aspects of species.
12. Explain Haversian system.
13. What are the chief characters of the crustaceans ?
14. Name the four 'hallmarks' of chordates and explain the principal function of each of them.
15. What are the modifications that are observed in birds that help them in flight ?
16. Describe the process of transverse binary fission in paramecium.
17. Give an account of pseudopodia. 
18. Distinguish between hypertrophy and hyperplasia with an example for each.

SECTION - C

(2×8=16)

Note : Answer **ANY TWO** questions in **60** lines **each**.

19. What is the coelom ? Explain the different types of coelom with suitable examples and neat labelled diagrams. 
20. Describe the life cycle of plasmodium vivax in man. M-17
21. Write an essay on temperature as an ecological factor.