



Total No. of Questions : 21

Total No. of Printed Pages : 2



Regd. No.

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Part - III

ZOOLOGY - PAPER - I

(English Version)

Time : 3 Hours

Max. Marks : 60

Note : Read the following instructions carefully.

- (i) Answer all the questions of Section-A. Answer any six questions in Section-B and answer any two questions in Section-C.
- (ii) 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 questions at one place in the same order.
- (iii) 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.
- (iv) 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.
- (v) Draw labelled diagrams wherever necessary in Section-B and C.



SECTION - A

Note : Answer all questions.

10x2=20

1. Distinguish between a tendon and a ligament.
2. What is Aristotle's lantern ? Give one example of an animal possessing it.
3. Distinguish between milt and spawn.
4. What are intercalated discs ? What is their significance ?
5. Draw a labelled diagram of T.S. of Flagellum.
6. Distinguish between proter and opisthe.
7. From which substances 'Smack' and 'Coke' are obtained ?
8. Why are incinerators used in hospitals ?
9. What is meant by tautonymy ? Give two examples.
10. Define osteon.



**1049790****SECTION - B****6x4=24****Note :** Answer *any six* questions.

11. Describe the three types of cartilage.
12. Write short notes on the salient features of the anthozoans.
13. Compare and contrast cartilagenous and bony fishes.
14. Give an account of pseudopodia.
15. Write short notes on typhoid fever and its prophylaxis.
16. Discuss the various types of adaptations in freshwater animals.
17. Explain 'Rivet Popper' hypothesis.
18. Draw a neat labelled diagram of the mouth parts of cockroach.

**SECTION C****Note :** Answer *any two* questions.**2x8=16**

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

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