131

III

Total No. of Questions : 21
Total No. of Printed Pages : 3

Regd. No. | | | | | | | | | | |

Part - III
ZOOLOGY, Paper - I
(English version)

Time : 3 Hours] ***[Max. Marks : 60***

Note : Read the following instructions carefully.

(i) Answer all the questions in **Section-A**. Answer **ANY SIX** questions in **Section - B** and **ANY TWO** questions in **Section - C**.

(ii) In **Section-A**, questions from Sl. Nos. **1** to **10** are of *Very short answer type.* Each question carries **TWO** marks. Every answer may be limited to 5 lines. Answer all these questions at one place in the same order.

(iii) In **Section-B**, questions from Sl. 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 Sl. Nos. **19** to **21** are of *Long answer type.* Each question carries **EIGHT** marks. Every answer may be limited to 60 lines.

(v) In **Sections-B** and **C**, draw labelled diagrams wherever necessary.

SECTION- A **10×2=20**

Note : Answer all the questions in 5 lines.

1. Define the term Species.

2. Write the two uses of Bio-technology.

3. Distinguish between Polyp and Medusa forms of Cnidarians.

4. Give two examples for Biradial symmetry.

5. How does the Micro conjugant differ from Macro conjugant structurally in Vorticella ?

6. What is Exflagellation ?

7. Why the nucleus of Entamoeba histolytica is called "Cart wheel nucleus" ?

8. Draw a labelled diagram of the spermatheca in Pheretima.

9. How does Cockroach conserve water in its body ?

10. Distinguish between Eury-thermal and Steno-thermal animals.

SECTION - B

6×4=24

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

11. Mention the general characters of Anthozoans.

12. Write a short note on Haversian system.

13. Write a note on the process of transverse binary fission in Paramecium.

14. Describe the different types of flagella in protozoans.

15. Describe the Parasitic adaptations.

16. What is the economic importance of Silk-worms ?

17. Draw a neat labelled diagram of the mouth parts of Butterfly.

18. Explain the importance of Bio-diversity.

SECTION - C

2×8=16

Note : *Answer* ***ANY TWO*** *questions.*

19. Write an essay on the life cycle of Taenia Solium with neat labelled diagram.

20. Describe the excretory system in Pheretima with the help of diagram.

21. Write an essay on Light as an ecological factor.