

0132

Total No. of Question -26
Total No. of Printed Pages-4

Regd.
No.

PART-III
Zoology Paper-I

Time: 3 Hrs

Max Marks:60

Sl.
No.

Section -A

10x2=20

Answer all the questions. Every answer should be restricted to four lines only.

1. What does ICZN Stand for?
2. List out any four sacred groves in India
3. What is the haematocrit value?
4. Define osteon.
5. Distinguish between amphids and phasmids?
6. What are blood glands in Pheretima?
7. Name four extra embryonic membranes
8. Entamoeba histolytica is an obligatory anaerobe' justify
9. From which substances smack and coke are obtained
10. What are circadian rhythms?

Section-B

8x5=40

II Answer any six question. Every answer should be restricted to twenty lines only.

11. Define species. Explain the various aspects of species.
12. Explain Rivet popper hypothesis
13. Describe the three types of cartilage
14. Describe the structure of a multipolar neuron
15. What are the chief characters of the crustaceans?
16. Name the four hallmarks of chordates and explain the principal function of each of them
17. Describe the structure of the heart of frog
18. What are the modifications that are observed in birds that help them in flight
19. Write a short note on the pathogenicity of entamoeba histolytica
20. "Prevention is better than cure" justify with regards to TDA abuse
21. What is summer stratification ? explain
22. Explain vant hoff rule

Section -C

2x8=16

III Answer any two questions. Every answer should be restricted to sixty lines only.

23. Compare and contrast the three types of muscular tissues.
24. Describe the digestive system and process of digestion in pheretima.
25. Describe the life cycle of plasmodium vivax in mosquito.
26. Write an essay on temperature as an ecological factor.