

MODEL QUESTION PAPER

PART - III

ZOOLOGY, PAPER - I

(English Version)

Time: 3 hours

Max. Marks : 60

Instructions to candidates :

- 1) Answer all the questions of section 'A', Answer any Six questions in Section 'B' and any two questions in Section 'C'.
- 2) In Section - 'A' Questions from Sr. Nos. 1 to 10 are of 'Very short answer type'. Each question carries two marks. Every answer may be limited to 2 or 3 sentences. Answer all these questions 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 75 words.
- 4) In section 'C' questions from Sr.Nos. 19 to 21 are of "Long answer type". Each questions carries eight marks. Every answer may be limited to 300 words. ,

SECTION - A

Answer all questions in one or two Sentences

10 x 2 = 20 Marks

1. What is 'tautonymy' ? Give an example ?
2. What type of nutrition is observed in Euglena in the absence of light ?
3. Define Pseudocoelome, and mention the phylum in which it is found ?
4. How does Trychonympha help Termites ?
5. What is "nocturnal periodicity" ?
6. Write the names of larvae in class "Asteroidea" ?
7. Which parasite causes "amoebiasis" ? Name its infective stage ?
8. Write the use of 'incinerators' in hospitals ?
9. Deferenciate between 'undular' and 'pendular' movements ?
10. What are the prezygotic divisions in the conjugation of Vorticella ?

SECTION - B

Answer any six questions in 75 words :

6 x 4 = 24 Marks

11. What are the unique features cephalopods that distinguish them from other molluscs ?
12. Differentiate symbiosis and commensalism giving one suitable example for each ?
13. Name the types of pseudopodia in protozoa with suitable examples ?
14. Draw a labelled diagram of digestive system of cockroach ?
15. Drones have grand father but no father - Explain.
16. What are "Acid rains" ? Explain their effect on Environment ?
17. Write functions of blood ?
18. Explain the 'detritous food chain' with two examples ?

SECTION - C

Answer any two questions in 300 words

2 x 8 = 16 Marks

19. Describe the blood vascular system in pheritima with a labelled diagram ?
20. Define pollution ? Give a detailed account of Air pollution and write any two controlling measures ?
21. The name of Ross is associated with a human disease and the Anopheles mosquito. Name the disease and describe the roll of mosquito in the parasites life cycle.

