



**2021/TDC/CBCS/ODD/  
ZOOHCC-101T/025**

**TDC (CBCS) Odd Semester Exam., 2021  
held in March, 2022**

**ZOOLOGY**

**( 1st Semester )**

Course No. : ZOOHCC-101T

**( Non-chordates—I : Protozoa and Metazoa )**

*Full Marks : 50*

*Pass Marks : 20*

*Time : 3 hours*

*The figures in the margin indicate full marks  
for the questions*

**SECTION—A**

Answer any *ten* of the following questions :  $2 \times 10 = 20$

1. Describe the structure of *Euglena* briefly with a diagram.
2. Mention different modes of nutrition in *Amoeba*.
3. Write about the pathogenicity of *Plasmodium vivax*.



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4. Mention the location and functions of pinacocytes.
5. Name different classes of Porifera with examples.
6. Write the functions of canal system in Porifera.
7. Define coral reefs with example.
8. Mention four important characteristics of Cnidaria.
9. Write a short note on alternation of generation in Obelia.
10. Mention four important characters of Platyhelminthes.
11. Name the major classes of phylum Platyhelminthes with example.
12. What are monogenetic and digenetic parasites? Give examples.

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( Continued )

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13. What is ascariasis?
14. Name different classes of Nematoda with examples.
15. Mention the adaptive features of roundworms.

SECTION—B

Answer any five of the following questions :

6×5=30

16. What is reproduction? Describe different types of asexual reproduction in Protozoa with proper illustrations.
17. Describe the life cycle of *Entamoeba histolytica*. Add a note on its pathogenicity.  
4+2=6
18. What is canal system? Describe the syconoid type of canal system in sponge (Scypha) with proper illustration.  
1+5=6
19. Describe the life history of Sycon with diagram.  
4+2=6

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( Turn Over )



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20. How is a coral reef formed? Write about different types of coral reef with suitable illustrations. 2+4=6
21. Discuss general characteristics and affinities of Ctenophora. 3+3=6
22. Enumerate various parasitic adaptations in Platyhelminthes.
23. Describe the life history of *Taenia solium* with diagram. Add a note on its pathogenicity. 4+2=6
24. Describe the characters of rotifers. Write the importance of rotifers in aquaculture. 4+2=6
25. Describe the life cycle of *Wuchereria bancrofti*. Write a note on its pathogenicity. 4+2=6

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