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**1 SEM TDC ZOOH (CBCS) C 1**

**2021**

( Held in January/February, 2022 )

**ZOOLOGY**

( Core )

Paper : C-1

( **Non-Chordates—I** )

Full Marks : 53

Pass Marks : 21

Time : 3 hours

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

1. Fill in the blanks : 1×5=5
- (a) Amoebic dysentery is caused by \_\_\_\_\_.
  - (b) Canal system is found in \_\_\_\_\_.
  - (c) Interstitial cells in Hydra form \_\_\_\_\_.
  - (d) In jellyfish, the mouth is at the end of the \_\_\_\_\_.
  - (e) Excretion in flatworms is performed by \_\_\_\_\_.

( 2 )

2. Distinguish between any *two* of the following :

3×2=6

- (a) Pinacoderm and Spicules
- (b) Polyp and Medusa
- (c) Platyhelminthes and Nemathelminthes

3. Write short notes on any *three* of the following :

3×3=9

- (a) Canal system in sponges
- (b) Locomotion in protists
- (c) Coral reefs
- (d) Ctenophora

4. Explain the sexual and asexual reproduction of protist.

6

5. Describe briefly the food trapping by sponge cells.

5

Or

Discuss the polymorphism in Cnidaria.

6. Explain the evolutionary significance of Ctenophora.

5

( 3 )

7. Write the general characters of Metazoa. 4

Or

Explain in brief the pathogenicity of *Taenia solium*.

8. Describe the life cycle of Plasmodium and its pathogenicity. 4+3=7

9. Describe in brief the life cycle and pathogenicity of *Ascaris lumbricoides*. 3+3=6

Or

Mention three characters and give the classification of Platyhelminthes up to class. 3+3=6

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