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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

The figures in the margin indicate full marks for the questions

1. Fill in the blanks :

(a) Amoebic dysentery is caused by _____

(b) Radial system is found in _____

(c) Interstitial cells in Hydra form _____

(d) In jellyfish, the mouth is at the end of the _____

(e) Secretion in Rotatoria is performed by _____