

Total No. of Printed Pages—3

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

**2019**

( December )

**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) Euglena belongs to subclass \_\_\_\_\_.
  - (b) Canal system is found in \_\_\_\_\_.
  - (c) Phylum Cnidaria is characterized by \_\_\_\_\_ cells.
  - (d) In jellyfish, the mouth is at the end of the \_\_\_\_\_.
  - (e) Cydippid larva is found in the phylum \_\_\_\_\_.

( 2 )

2. Distinguish between (any two) : 3×2=6
- (a) Parazoa and Metazoa
  - (b) Coral and Coral reefs
  - (c) Polyp and Medusa
3. Write short notes on (any three) : 3×3=9
- (a) Locomotion of Protists
  - (b) Segmentation in Metazoa
  - (c) Symptoms of Ascariasis
  - (d) Polymorphism in Cnidaria
4. Explain the process of sexual or asexual reproduction of Protists. 5
5. Describe the general characters and classification of Porifera up to class. 3+3=6

Or

- Give a description of different types of canal system in Porifera. 6
6. Describe in brief the life cycle of Obelia. 5
7. Describe the evolutionary significance of Ctenophora. 4

( 3 )

Or

Write four distinguishing characters of Ctenophora.

8. Describe the life cycle and pathogenicity of *Taenia solium*. 4+3=7
9. Describe the parasitic adaptations of helminthes. 6

Or

What do you understand by pseudocoelomata? Describe the life cycle of *Ascaris lumbricoides*. 1+5=6

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