

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

**2 0 2 1**

( March )

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) Nematocyst cells are found in \_\_\_\_.
- (b) Canal system of Euplectella is \_\_\_\_.
- (c) In Hydra, coelom is \_\_\_\_.
- (d) *Wuchereria bancrofti* is transmitted by \_\_\_\_.
- (e) In Lobosa class, nutrition is \_\_\_\_.

2. Distinguish between any *two* of the following : 3×2=6
- (a) Asconoid type of canal system and Syconoid type of canal system
- (b) Polyp and Medusa
- (c) Ctenophores and Cnidarians
3. Write short notes on any *three* of the following : 3×3=9
- (a) Metagenesis in Obelia
- (b) Nutrition in Euglena
- (c) Structure of Paramecium
- (d) Coral reefs
4. Describe in brief the process of reproduction in Protista. 6
5. Describe in brief about the evolution of symmetry and segmentation of Metazoa. 5
- Or*
- Explain two major types of skeletal elements of sponge.
6. Describe in brief the polymorphism in Cnidaria. 5

( 3 )

7. Write the general characters of Platyhelminthes. 4

Or

Describe the sexual life cycle of *Plasmodium vivax*.

8. Describe the life cycle of *Fasciola hepatica* and its pathogenicity. 4+3=7

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

Or

Describe in brief the pathogenicity and parasitic adaptation of *Wuchereria bancrofti*. 3+3=6

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