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1 SEM TDC ZOOH (CBCS) C 1

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(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)

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
