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1 SEM TDC ZOOH (CBCS) C 1

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(Nov/Dec)

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) The sub-kingdom _____ includes multicellular animals.

(b) Pore-bearing animals are known as _____.

(c) Presence of cnidoblast cells is the characteristic feature of the phylum _____.

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(Turn Over)

(2)

- (d) *Ascaris* belongs to the phylum _____.
- (e) *Fasciola hepatica* belongs to the phylum _____.
2. Distinguish between (any two) : $3 \times 2 = 6$
- (a) Parazoa and Metazoa
- (b) Binary fission and Multiple fission in Protozoa
- (c) Holozoic and Holophytic nutritions
3. Write short notes on (any three) : $4 \times 3 = 12$
- (a) General characters or evolutionary significance of Ctenophora
- (b) Evolution of symmetry or segmentation in Metazoa
- (c) Structural organization of *Euglena* or *Paramecium*
- (d) Metacercaria larva
4. Classify the phylum Porifera up to class. Write briefly about syconoid type of canal system. $3 + 3 = 6$
- Or
- What is the skeletal material in Porifera? Write a note on it. $1 + 5 = 6$

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(Continued)

(3)

5. What is pathogenicity? Write the pathogenicity in *Wuchereria bancrofti*. $1 + 5 = 6$
- Or
- Discuss the parasitic adaptation in Helminths. 6
6. Explain the life cycle of *Taenia solium* or the pathogenicity of *Fasciola hepatica*. 9
7. What is metagenesis? Explain the metagenesis in *Obelia*. $1 + 8 = 9$
- Or
- What is coral? Write about the types of coral reefs. 9
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