

Total No. of Printed Pages—3

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

**2 0 2 2**

( 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 \_\_\_\_\_.

( 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.  $1+5=6$

( 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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