

Total No. of Printed Pages—3

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

**2 0 2 4**

**( November )**

**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 :  $1 \times 5 = 5$**

- (a) The minute pores in the body wall of sponges are known as \_\_\_\_.
- (b) Oncosphere is the larval stage of \_\_\_\_.
- (c) The reserve food material in *Euglena* is called \_\_\_\_.
- (d) Skeleton in sponges is made up of \_\_\_\_ and \_\_\_\_.



( 2 )

- (e) \_\_\_\_\_ is the intermediate host in the life cycle of *Taenia solium*.
2. Distinguish between any two of the following :  $3 \times 2 = 6$
- (a) Polyp and Medusa
  - (b) Binary and Multiple fissions
  - (c) Mature and Immature proglottids
3. Write short notes on any three of the following :  $4 \times 3 = 12$
- (a) Coral reefs
  - (b) Scolex of *Taenia solium*
  - (c) Spicules in sponges
  - (d) Parasitic adaptation in helminthes
4. What is polymorphism? Describe the significance of polymorphism.  $2 + 4 = 6$
- Or
- Classify Cnidaria up to class with examples. 6
5. Discuss the Sycon type of canal system. Give suitable diagrams.  $4 + 2 = 6$
- Or
- Give an account of the life history of *Fasciola hepatica*. 6

( 3 )

6. Describe the life cycle and pathogenicity of *Wuchereria bancrofti*.  $2 + 7 = 9$
7. What are pseudopodia? What are the different types of pseudopodia?  $3 + 6 = 9$
- Or
- Write the general characters of the phylum Ctenophora. Write about its evolutionary significance.  $5 + 4 = 9$

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