

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 : 1×5=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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