

1 SEM TDC ZOOH (CBCS) C 1

2024

(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 : 3×2=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 : 4×3=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

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(Continued)

(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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