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1 SEM TDC ZOOH (CBCS) C 1

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(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) Trophozoites of Plasmodium occur in _____.

(b) Sponges are characterized by the presence of _____.

(c) A life cycle that has two different body forms is called _____.

(2)

- (d) Intermediate host in the life cycle of *Fasciola hepatica* is _____.
- (e) Coenocytic epidermis is found in _____.
2. Distinguish between any *two* of the following : 3×2=6
- (a) Polyp and Medusa structures
- (b) Asconoid and Syconoid types of sponges
- (c) Cercaria and Metacercaria larvae
3. Write short notes on any *three* of the following : 4×3=12
- (a) Polymorphism in Cnidaria
- (b) Evolutionary significance of Ctenophora
- (c) Nutrition of Euglena
- (d) Spicules in sponges.
- (e) Structural organization of Amoeba
4. Describe in brief the evolution of symmetry and segmentation of Metazoa. 6
5. Describe the life cycle of Obelia. 6

Or

What are the different types of coral reefs found?

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(Continued)

(3)

6. Describe the life cycle of *Ascaris lumbricoides* and its pathogenicity. 5+4=9
7. Describe the life cycle and pathogenicity of *Plasmodium vivax*. 5+4=9

Or

Write the general characteristics of Platyhelminthes. Mention the various adaptations by *Taenia solium* to live as a parasite. 9

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