

Total number of printed pages-7

63/1 (SEM-1) CC1/ZOOHC1016

2024

ZOOLOGY

Paper : ZOOHC1016

**(Non-Chordates - I : Protista to
Pseudocoelomates)**

Full Marks : 60

Pass Marks : 24

Time : Three hours

**The figures in the margin indicate
full marks for the questions.**

1. Choose the correct answer : **(any five)**

1×5=5

(a) Slipper animalcule is—

- (i) *Euglena*
- (ii) *Paramecium*
- (iii) *Plasmodium*
- (iv) *Giardia*

(b) Contractile vacuole of *Paramecium* are analogous to—

- (i) Sweat glands
- (ii) Uriniferous tubules
- (iii) Gastrovascular cavity of Hydra
- (iv) Typhlosole of earthworm

(c) The outer layer of sponges is composed of—

- (i) Pinacocytes
- (ii) Choanocytes
- (iii) Amoebocytes
- (iv) Spongocoel

(d) Amoebiasis causes—

- (i) Headache and cold
- (ii) Dysentery
- (iii) Fever
- (iv) Severe cold

(e) For protection some Cnidaria have—

- (i) Stinging cells
- (ii) Poison sacs
- (iii) Stabbing points
- (iv) Biting teeth

(f) Coral reefs that form small islands surrounding a lagoon of water are called—

- (i) Fringing reefs
- (ii) Barrier reefs
- (iii) Atolls
- (iv) Ocean reefs

(g) Obelia has—

- (i) Radial symmetry
- (ii) Bilateral symmetry
- (iii) Tetramerous
- (iv) None of the above

(h) The infective stage of *Taenia* for man is—

(i) Onchosphere

(ii) Hexacanth

(iii) Cysticercus

(iv) Adult worm

(i) Infective stage of *Ascaris* is—

(i) Egg

(ii) I stage larvae

(iii) II stage larvae

(iv) III stage larvae

(j) The causative organism of Filariasis is—

(i) *Culex*

(ii) *Wuchereria*

(iii) *Cercaria*

(iv) *Radiolaria*

2. Answer the following questions : **(any five)**

2×5=10

(a) Write about the significance of conjugation in *Paramecium*.

(b) Write four salient features of Phylum Cnidaria.

(c) Name the different larval stages of *F. hepatica*.

(d) Differentiate between cilia and flagella.

(e) Define parasitism. Write the systematic position of *Fasciola*.

(f) Mention two preventive measures against Ascariasis.

(g) What are coral reefs?

3. Answer the following questions : **(any five)**

5×5=25

(a) Write briefly on the locomotory organelles of Protozoa.

(b) Mention the economic significance of sponges.

- (c) What do you know about polymorphism in Cnidaria?
- (d) Write about the evolutionary significance of Ctenophora.
- (e) Write briefly on the pathogenicity of *T. solium* and its treatment.
- (f) Write briefly on the parasitic adaptation in helminthes.
- (g) Describe the life history of *W. bancrofti*.
- (h) Write briefly on the formation of coral reefs.
- (i) Write a brief note on evolution of symmetry and segmentation of Metazoa.

4. Answer the following questions : **(any two)**
10×2=20

- (a) Describe the life history of *E. histolytica*.
- (b) Write about the canal system in sponges with labelled diagram.
8+2=10

- (c) Write about the general characteristics of Phylum Platyhelminthes. Classify upto classes.
5+5=10
- (d) Describe the life history of *A. lumbricoides*.