

**Bs/ZOO/C-1(T)**

**2 0 2 4**

**( FYUGP )**

**( 1st Semester )**

**ZOOLOGY**

**( Major )**

**Paper Code : ZOO/C-1(T)**

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

Full Marks : 75

Pass Marks : 40%

Time : 3 hours

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

1. Give the general characteristics of phylum Protista. Classify phylum Protista up to class with examples. 10+5=15

Or

Describe in detail, the life cycle of *Amoeba* with suitable diagrams. 15

2. Write notes on the following : 7½×2=15

(a) Classification of Porifera up to class with examples

(b) Symmetry in Metazoa



( 2 )

Or

With suitable diagrams, give an account on the canal system in Sponges. 15

3. With proper examples, classify the phylum Cnidaria up to class. Add a note on some of the important general characteristics of Cnidaria. 10+5=15

Or

Describe the structure and characteristics of coral and coral reefs. Add a note on different types of coral reefs. 10+5=15

4. Define the phylum Platyhelminthes. With proper examples, classify the phylum Platyhelminthes up to class. 2+13=15

Or

With proper life cycle chart, explain the life cycle and pathogenicity of *Fasciola hepatica*. 15

5. Write an account on the life cycle and pathogenicity of *Wuchereria bancrofti* with a suitable life cycle chart. 15

Or

Give a detailed account on the parasitic adaptations found in Helminthes.

★ ★ ★