

October 2025

B.A./B.Sc.

First Semester

MAJOR – 1

ZOOLOGY

Course Code: ZOM 1.11

(Non-Chordates - I: Protozoans to Pseudocoelomates)

Total Mark: 50

Pass Mark: 20

Time: 2 hours

I. Answer three questions, taking one from each unit.

UNIT-I

1. Write eight general characteristics of Protozoa. Classify the Phylum Protozoa up to classes and give their diagnostic characters with one example each. 4+8=12
2. Describe the different modes of reproduction in *Euglena* with a neat diagram. Add a note on the locomotion in paramecium. 8+4=12

UNIT -II

3. Describe the structure of *Sycon* with diagram. Add a note on spicules in sponges. 8+4=12
4. What are coral reefs? Describe the different kinds of coral reefs with a neat, labelled diagram. 2+10=12

UNIT – III

5. Write eight general characteristics of Nematelminthes. Give the classification of Phylum Nematelminthes up to classes and give their diagnostic characters with examples. 4+8=12
6. Define parasitic adaptation. Discuss the morphological and physiological adaptations that enable helminths to survive and reproduce successfully within their host. 2+10=12

II. Answer any two of the following questions.

7. Explain the morphology of paramecium with a neat, labelled diagram. 7
 8. Describe polymorphism in cnidaria. 7
 9. Write ten general characteristics of Ctenophora. With any two examples. 7
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