

**October 2025**

**B.A./B.Sc.**

**First Semester**

**MINOR – 1**

**ZOOLOGY**

*Course Code: ZON 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. Give eight distinctive characters of Protozoa. Classify the phylum up to classes giving their diagnostic characters with examples. 4+8=12
2. Describe the morphology, locomotion, and nutrition in *Paramecium*. 4+4+4=12

**UNIT-II**

3. Explain the structure, reproduction, and development of Sycon with a neatly labelled diagram. 4+4+4=12
4. Write a note on each of the following: 6×2=12
  - (a) Metagenesis in *Obelia*
  - (b) Polymorphism in Cnidaria

**UNIT-III**

5. Classify the phylum Nematelminthes up to classes and give two important characters and examples of each class. Add a note on the parasitic adaptations in helminths. 8+4=12
6. Give an account of the life cycle and its pathogenicity of *Ancylostoma duodenale* with a neat diagram. 8+4=12

*II. Answer any two of the following questions.*

7. Explain reproduction in *Euglena*.

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8. Describe the different types of spicules found in sponges. 7
  9. Mention ten general characteristics of Ctenophora and give two examples. 7
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