

2022

B.A./B.Sc.

First Semester

CORE – 1

ZOOLOGY

Course Code: ZOC 1.11

(Non-Chordates – I: Protozoans to Pseudocoelomates)

Total Mark: 70

Pass Mark: 28

Time: 3 hours

Answer five questions, taking one from each unit.

UNIT-I

1. Describe the morphological characteristics of *Euglena*. Explain the types of reproduction in amoeba. 7+7=14
2. Explain the life cycle of *Plasmodium* with diagram. 11+3=14

UNIT-II

3. Write the characters and classification of Porifera up to class with examples. 6+8=14
4. Describe structure and reproduction in *Sycon*. 7+7=14

UNIT-III

5. Give classification of Cnidaria up to class with examples. Explain metagenesis in *Obelia*. 7+7=14
6. Explain polymorphism in Cnidaria. Write a note on the different types of corals. 7+7=14

UNIT-IV

7. Give the general characteristics and classification of Platyhelminthes with examples. 6+8=14

8. Describe the life cycle of *Fasciola hepatica* with suitable diagrams and its pathogenicity. 10+4=14

UNIT-V

9. Write the general characters of Nematelminthes. Explain the life cycle of *Ancylostoma duodenali*. 6+8=14
10. Explain the morphological structure of *Ascaris lumbricoides* showing sexual dimorphism with diagrams. Briefly explain the parasitic adaptations in helminths. 7+7=14
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