



K25U 3383

Reg. No. :

Name :

First Semester B.Sc. Degree (C.B.C.S.S. – O.B.E. – Supplementary)
Examination, November 2025
(2019 to 2023 Admissions)
CORE COURSE IN ZOOLOGY
1B01 ZLG : Protista and Non Chordata – 1

Time : 3 Hours

Max. Marks : 40

Instruction : Give illustrations and figures *wherever* necessary.

- I. Essay questions. Answer **any 2, each** question carries **8** marks.
- 1) Write an essay on different types of taxonomic keys.
 - 2) Explain the sexual dimorphism, life cycle and pathogenicity of *Ascaris*.
 - 3) Write an essay on corals, coral reefs and their significances.
 - 4) Explain the morphology and life cycle of *Entamoeba histolytica*. **(2×8=16)**
- II. Short Essay. Answer **any 2, each** question carries **4** marks.
- 5) Write the salient features of phylum Porifera. Mention the classes and examples.
 - 6) Give an account on different types of symmetry in animal kingdom.
 - 7) Describe the morphology and life cycle of *Schistosoma*. **(2×4=8)**
- III. Short answer questions. Answer **any 6, each** question carries **2** marks.
- 8) Write a short note on Taxidermy.
 - 9) Comment on the polymorphism in Physalia.
 - 10) Distinguish between Ecdysozoa and lophotrochozoa.
 - 11) Write short note on five kingdom classification.
 - 12) With the help of suitable diagram describe the structure of cnidoblast.
 - 13) Comment on Berlese funnel.
 - 14) Mention the pathogenicity of *Taenia solium*.
 - 15) Comment on phylum Mesozoa. **(6×2=12)**

P.T.O.



IV. Multiple choice questions. Answer **all, each** question carries **0.5** mark.

- 16) The disease caused by *Leishmania donovani* is
a) Chagas diseases b) Kala-azar
c) Malaria d) Amoebiasis
- 17) The free swimming larvae of sponges are called
a) Parenchymula b) Trochophore
c) Bipinnaria d) Veliger
- 18) Which among the following phyla belongs to Pseudocoelomata ?
a) Platyhelminthes b) Porifera
c) Nematoda d) Cnidaria
- 19) Miracidium stage of liver fluke leads to _____ stage.
a) Cercaria b) Sporocyst
c) Metacercaria d) Redia
- 20) Which of the following is known as Portuguese man of war ?
a) Adamsia b) Madrepora
c) Rhizostoma d) Physalia
- 21) Four kingdom classification was proposed by
a) Herbert Copeland b) R. H. Whittaker
c) Earnst Haeckel d) Cavalier-Smith
- 22) Rhabditiform larva is formed in the life cycle of
a) Ascaris b) Taenia c) Dugesia d) Fasciola
- 23) The elastic double layered living membrane that covers the body of Paramecium is
a) Pellicle b) Cuticle c) Chitin d) Epidermis

(8×0.5=4)
