



Reg. No. :

Name :

**First Semester B.Sc. Degree (C.B.C.S.S. – OBE-Supplementary/
Improvement) Examination, November 2024
(2019 to 2023 Admission)
CORE COURSE IN ZOOLOGY
1B01ZLG : Protista and Non Chordata – I**

Time : 3 Hours

Max. Marks : 40

Instruction : Give illustrations and figures wherever necessary.

- I. Essay questions. (Each question carries 8 marks) Answer any 2. (2×8=16)
- 1) Describe the structure of *Obelia* medusa. Add notes on metagenesis of *Obelia*.
 - 2) Write notes on the salient features of Phylum Platyhelminthes. Comment on its classification down to classes with suitable examples.
 - 3) Give an outline of the classification of Phylum Porifera.
 - 4) Write notes on the life cycle of *Ascaris*. Add notes on its Parasitic adaptations and pathogenicity.
- II. Short Essay. (Each question carries 4 marks) Answer any 2. (2×4=8)
- 5) Write notes on the reproduction of *Paramecium*.
 - 6) Comment on five kingdom classification.
 - 7) Briefly describe the characteristics of Phylum Gastrotricha with suitable examples.
- III. Short answer questions. (Each question carries 2 marks) Answer any 6. (6×2=12)
- 8) What are coral reefs ?
 - 9) Distinguish between metagenesis and metamorphosis.
 - 10) Write notes on parasitic adaptations of *Taenia solium*.
 - 11) Distinguish between Enterocoely and Schizocoely.
 - 12) Write notes on the general characters of Phylum Placozoa.

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- 13) What is taxidermy ?
 - 14) Write notes on gemmules of sponges.
 - 15) Comment on the pathogenicity of *Trypanosoma*.
- IV. Multiple choice questions. (Each question carries 0.5 mark) Answer all. (8×0.5=4)
- 16) Pathogen causing kala-azar

a) <i>Leishmania</i>	b) <i>Fasciola</i>
c) <i>Ascaris</i>	d) <i>Entamoeba</i>
 - 17) What is the defensive structure seen in Cnidarians ?

a) Cnidoblast	b) Trichocyst
c) Axoblast	d) Statocyst
 - 18) Which of the following classes does *Rhizostoma* belongs to ?

a) Cubozoa	b) Anthozoa
c) Hydrozoa	d) Scyphozoa
 - 19) Which of the following is known as 'Portuguese man of war' ?

a) <i>Dugesia</i>	b) <i>Halitemma</i>
c) <i>Physalia</i>	d) <i>Acanthocephalus</i>
 - 20) Which of the following is popularly known as "Wheel animalcules" ?

a) Gastrotricha	b) Rotifera
c) Mesozoa	d) Ctenophora
 - 21) Binomial nomenclature proposed by

a) Ernst Haeckel	b) Carolus Linnaeus
c) R. H. Whittaker	d) Cavalier-Smith
 - 22) Amphiblastula is the larval form of

a) Cnidaria	b) Porifera
c) Platyhelminthes	d) Ctenophora
 - 23) Which of the following is a larval stage of *Fasciola* ?

a) Miracidium	b) Parenchymula
c) Cydippid	d) Amphiblastula