



K24U 4039

Reg. No. :

Name :

**First Semester B.Sc. Degree (C.B.C.S.S.-OBE – Supplementary/
Improvement) Examination, November 2024
(2019 to 2023 Admission)
COMPLEMENTARY ELECTIVE COURSE IN ZOOLOGY
1C01 ZLG : Diversity of Life I – Protistans and Non Chordates**

Time : 3 Hours

Max. Marks : 32

- I. Essay questions. Answer **any two**. (2×6=12)
- 1) Describe the structure of cephalic and thoracic appendages of *Penaeus* with the help of diagrams.
 - 2) Give an account on the circulatory and excretory organs of Earth worm.
 - 3) Write an essay about animal Protista.
 - 4) Mention the classes coming under phylum Arthropoda. Write the salient features of each class and give examples.
- II. Short essay questions. Answer **any two**. (2×3=6)
- 5) Give an account on the structural features and reproduction in *Obelia*.
 - 6) Write the economic importance of Phylum Mollusca.
 - 7) Briefly explain the pathogenicity and morphology of *Taenia solium*.
- III. Short answer questions. Answer **any six**. (6×2=12)
- 8) Give an account on coral reefs.
 - 9) Write about sexual dimorphism in *Ascaris*.
 - 10) What is cnidoblast ? What is its function ?
 - 11) Give a short account on sericulture and vermiculture.

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- 12) Give the differences between male and female Prawn.
- 13) Write any four salient features of phylum Echinodermata.
- 14) Comment on Heteronereis.
- 15) Write a short account on canal system in Sponges.

- IV. Multiple choice questions. **All questions compulsory**. (4×0.5=2)
- 16) In mature Earth worm, a circular band like glandular structure near the anterior end is known as
 - a) Typhlosole
 - b) Petasma
 - c) Elytra
 - d) Clitellum
 - 17) _____ is commonly known as 'Cuttlefish'.
 - a) Asterias
 - b) Sepia
 - c) Lepisma
 - d) Aurelia
 - 18) Which among the following is a matching set ?
 - a) Hydrozoa-*Physalia*
 - b) Anthozoa-*Schistosoma*
 - c) Turbellaria-*Taenia*
 - d) Cestoda-*Ascaris*
 - 19) Aristotle's lantern is seen in
 - a) Jelly fish
 - b) Sea urchin
 - c) Pila
 - d) Leech