



K23U 4091

Reg. No. :

Name :

**I Semester B.Sc. Degree (C.B.C.S.S. – O.B.E. – Regular/Supplementary/
Improvement) Examination, November 2023
(2019 Admission Onwards)
Complementary Elective Course in Zoology
1C01ZLG : Diversity of Life I : PROTISTANS AND NON CHORDATES**

Time : 3 Hours

Max. Marks : 32

- I. Essay questions. Answer **any two**. (2×6=12)
- 1) Give an account on the locomotion in Protista.
 - 2) Write an essay on the salient features and economic importance of phylum mollusca.
 - 3) Write about parasitic nematodes and the diseases caused by them.
 - 4) With the help of diagram describe the structure of digestive system of Penaeus.
- II. Short Essay questions. Answer **any two**. (2×3=6)
- 5) Comment on the cephalic appendages of Prawn.
 - 6) Write about coral forming Cnidarians and their significance.
 - 7) Briefly explain the water vascular system in echinoderms.
- III. Short answer questions. Answer **any six**. (6×2=12)
- 8) Give an account on *Apis indica*.
 - 9) Write the adaptations shown by *Hirudinaria*.
 - 10) What is scolex ? What is its function ?
 - 11) Give an account on the association between Termite and *Trichonympha*.
 - 12) Differentiate between petasma and thelycum.
 - 13) Write short note on polymorphism. Give two examples.
 - 14) Name the classes coming under phylum platyhelminthes. Give examples.
 - 15) Write a short account on the sponge Ascon.

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- IV. Multiple choice questions. **All questions compulsory**. (4×0.5=2)
- 16) Which among the following is a binucleate protozoan ?

a) Noctiluca	b) Paramecium
c) Amoeba	d) Trichonympha
 - 17) _____ is commonly known as 'Silver fish'.

a) Aurelia	b) Sepia	c) Lepisma	d) Echinus
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 - 18) Which among the following is a matching set ?

a) Asteria – Pedicellaria	b) Megascolex – Cnidoblast
c) Ascaris – Clitellum	d) Planaria – Statocyst
 - 19) Radula in molluscs acts as

a) Rasping organ	b) Excretory organ
c) Respiratory organ	d) Defensive organ

