



K22U 3439

Reg. No. : .....

Name : .....

**I Semester B.Sc. Degree (C.B.C.S.S. – O.B.E. – Regular/Supplementary/  
Improvement) Examination, November 2022  
(2019 Admission Onwards)**

**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) What are coral reefs ? Comment on their significance.
- 2) List six salient features of Gastropoda.
- 3) Describe the morphological features of *Echinus*.
- 4) With the help of a labelled diagram, explain digestive system in *Penaeus*.

II. Short Essay Questions. Answer **any two**. (2×3=6)

- 5) Give an account of different modes of reproduction in Protista.
- 6) Explain respiratory system in *Penaeus*.
- 7) Citing examples, describe how the beneficial activities of insects are being utilised on a commercial scale.

III. Short Answer Questions. Answer **any six**. (6×2=12)

- 8) What is radula ? State its function.
- 9) Mention the strategy adopted by termites to digest cellulose.
- 10) Write notes on excretory organs in *Planaria*.
- 11) What is petasma ?
- 12) Write short notes on the distribution of *Perna* in our state.
- 13) Discuss the economic importance of earthworms.
- 14) Sketch and label the first and second maxillipedes of *Penaeus*.
- 15) Mention the peculiarities of blood – vascular system of Annelids.

P.T.O.

IV. Multiple Choice Questions. **All** questions are **compulsory**. (4×0.5=2)

- 16) Which of the following is not a function of tube feet of Echinoderms ?
- a) Excretion
  - b) Respiration
  - c) Locomotion
  - d) Food collection
- 17) The secondary host of *Wuchereria bancrofti*
- a) Pond-snail
  - b) Anopheles mosquito
  - c) Culex mosquito
  - d) Sand-fly
- 18) Which of the following occurs exclusively in male *Penaeus* ?
- a) Clitellum
  - b) Thelycum
  - c) Uropod
  - d) Petasma
- 19) The stage in the life-cycle of *Taenia*, that reaches human body through measly pork
- a) Hexacanth
  - b) Cysticercus
  - c) Oncosphere
  - d) Proscoplex

