



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.

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- 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) Proscolex