



K20U 3340

Reg. No. : .....

Name : .....



**I Semester B.Sc. Degree CBCSS (OBE) Reg./Sup./Imp.**  
**Examination, November 2020**  
**(2019 Admn. Onwards)**

**COMPLEMENTARY ELECTIVE COURSE IN ZOOLOGY**  
**1C 01 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) Write an essay on coral forming Cnidarians and their significance.
- 2) With a neat labelled diagram, explain cephalic appendages of Penaeus.
- 3) Explain the salient features of Phylum Nematoda. Add a note on features of any one nematode Parasite.
- 4) Describe the circulatory system of Megascolex with a suitable diagram.

II. Short Essay Questions. Answer **any two**.

(2×3=6)

- 5) Provide an account of Obelia colony.
- 6) Write notes on Sepia.
- 7) Explain salient features of Phylum Echinodermata.

III. Short Answer Questions. Answer **any six**.

(6×2=12)

- 8) What is petasma ? Mention its function.
- 9) Explain the biological relationship between Trichonympha and termites.
- 10) What is metagenesis ? Give an example.
- 11) Distinguish between plant Protists and animal Protists.

P.T.O.



- 12) Comment on polymorphism in *Physalia*.
- 13) Enlist any 4 salient features of Class *Gastropoda*.
- 14) Explain parasitic adaptations of *Taenia solium*.
- 15) Write short notes on *Holothuria*.

IV. Multiple Choice Questions. **All Questions Compulsory.** (4×0.5=2)

- 16) The rasping organ found in the oral cavity of Mollusc is
- |                        |             |
|------------------------|-------------|
| a) Aristotle's lantern | b) Radula   |
| c) Mantle              | d) Ctenidia |
- 17) Gastrovascular cavity is found in
- |                  |                   |
|------------------|-------------------|
| a) Starfish      | b) <i>Penaeus</i> |
| c) <i>Obelia</i> | d) <i>Ascaris</i> |
- 18) Cellular level of organization is found in
- |             |               |
|-------------|---------------|
| a) Mollusca | b) Arthropoda |
| c) Annelida | d) Porifera   |
- 19) The ciliated free swimming larva during development of Annelids
- |                 |                |
|-----------------|----------------|
| a) Bipinnaria   | b) Trochophore |
| c) Parenchymula | d) Planula     |