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K19U 3340

Reg. No. : .....

Name : .....

I Semester B.Sc. Degree CBCSS (OBE)-Regular Examination,  
November -2019  
(2019 Admission)

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 locomotion in Protista.
2. Describe the salient features of phylum porifera with a suitable example.
3. Explain the economic importance of Mollusca.
4. Describe the respiratory system and mechanism of respiration in *Penaeus*.

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

5. Explain different types of maxillipeds of *penaeus* with suitable diagrams.
6. Write notes on *physalia*
7. Explain salient features of phylum Platyhelminthes

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

8. What is tube feet? Mention its function
9. Distinguish between polyp and medusa
10. Explain sexual dimorphism in *Schistosoma*
11. Comment on association between *Adamsia* and Hermit crab

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12. Enlist blood feeding adaptations of Leech..
13. Enlist any 4 salient features of Class Arachnida.
14. Explain parasitic adaptations of *Ascaris*
15. Write short notes on *Echinus*.

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

16. The respiratory organ of Echinoderms is
    - a) Aristotle's lantern
    - b) Dermal branchiae
    - c) Radula
    - d) Ctenidia
  17. Jelly fish is
    - a) *Aurelia*
    - b) *adamsia*
    - c) *Madrepora*
    - d) *Fungia*
  18. The phylum in which the body of organism is divisible into head, visceral mass and foot
    - a) Mollusca
    - b) Arthropoda
    - c) Annelida
    - d) Porifera
  19. The Ciliated free swimming larva during development of Cnidaria
    - a) Bipinnaria
    - b) Trochophore
    - c) Parenchymula
    - d) Planula
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