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Reg. No. : .....

Name : .....



K19U 3204

I Semester B.Sc. Degree (CBCSS- Supplementary / Improvement)  
Examination, November-2019

(2014 -2018 Admissions)

COMPLEMENTARY COURSE IN ZOOLOGY

1C01 ZLG : DIVERSITY OF LIFE - I

Time : 3 Hours

Max. Marks :32

- I. Answer any **ONE** (1×6=6)
- 1) Explain the various methods of locomotion in Protists.
  - 2) Write down the salient features of porifera and give an outline of classification of phylum porifera.
- II. Answer any **ONE** (1×6=6)
- 3) Write an essay on respiratory system and Respiratory mechanism of prawn.
  - 4) What are the salient features of Phylum Mollusca. Explain the economic importance of Molluscs.
- III. Answer any **FOUR** (4×3=12)
- 5) Describe medusa of Obelia with the help of a diagram.
  - 6) What is Polyembryony? Explain its significance in Fasciola.
  - 7) Write notes on Vermiculture and its importance.
  - 8) Explain the sexual dimorphism in Ascaris. Add notes on its pathogenicity.
  - 9) Describe excretory system of Earth worm with the help of a diagram.
  - 10) Write notes on any two beneficial insects.

P.T.O.

IV. Answer any **SIX**

(6×1=6)

- 11) Comment on Flame cells.
- 12) What are Pinacocytes?
- 13) What is Petasma?
- 14) Write notes on Lepisma.
- 15) What is Parapodium?
- 16) What are Tiedman bodies?
- 17) Comment on the patogenicity of Schistosoma.
- 18) What is Cuttle bone?
- 19) What is Pedicellaria?

V. Answer **ALL** questions.

(1)

## 20) Match the following

- i. Honey bee - Pearl culture
- ii. Earthworm - Sericulture
- iii. Pinctada - Apiculture
- iv. Bombyx mori- Aquaculture  
Vermiculture

## 21) State whether the statements are True or False.

(1)

- a. Trichonympha is a free living protist.
  - b. Metagenesis is the alternation of sexual and asexual generations.
  - c. Binary fission is the characteristic feature of Arthropods.
  - d. Neries is coming under the phylum platyhelminthes.
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