



K23U 4090

Reg. No. : .....

Name : .....

**I Semester B.Sc. Degree (C.B.C.S.S. – O.B.E. – Regular/ Supplementary/ Improvement) Examination, November 2023  
( 2019 Admission Onwards)  
CORE COURSE IN ZOOLOGY  
1B01 ZLG : Protista and Non Chordata – 1**

Time : 3 Hours

Max. Marks : 40

**Instruction : Give illustrations and figures wherever necessary.**

- I. Essay questions. (**Each** question carries **8** marks) Answer **any 2**.
- 1) Describe the morphology and life cycle of *Entamoeba histolytica*.
  - 2) Write an essay on canal systems in sponges.
  - 3) Write notes on the salient features of phylum platyhelminthes. Comment on its classification down to classes with examples.
  - 4) Explain the different types of nets and traps used for the collection of soil organisms. **(2×8=16)**
- II. Short essay. (**Each** question carries **4** marks) Answer **any 2**.
- 5) Comment on different types of coelom in animals.
  - 6) Describe the sexual dimorphism and life cycle of *Ascaris*.
  - 7) Give an account of polymorphism in Cnidaria. **(2×4=8)**
- III. Short answer questions. (**Each** question carries **2** marks) Answer **any 6**.
- 8) Define law of Priority.
  - 9) Distinguish between Radiata and Bilateria.
  - 10) What is multi-access key?
  - 11) Briefly describe the structure of Noctiluca.
  - 12) Mention the features of Parenchymula larva.
  - 13) Briefly describe the life cycle of *Fasciola*.
  - 14) Briefly describe the regeneration in *Dugesia*.
  - 15) Mention the salient features of Phylum Rotifera. **(6×2=12)**

P.T.O.

K23U 4090



- IV. Multiple choice questions. (**Each** question carries **0.5** marks) Answer **all**.
- 16) Five kingdom classification was proposed by \_\_\_\_\_  
 a) George Bentham                      b) John Ray  
 c) Linnaeus                                 d) R. H. Whittaker
  - 17) In Porifera the spongocoel is lined with flagellated cells called \_\_\_\_\_  
 a) Flame cells                                b) Cnidocytes  
 c) Choanocytes                              d) Statocyst
  - 18) Larval form of Cnidaria is known as \_\_\_\_\_  
 a) Amphiblastula                            b) Parenchymula  
 c) Planula                                     d) Bipinnaria
  - 19) The excretory and osmoregulatory structure of Platyhelminthes is \_\_\_\_\_  
 a) Nephridia                                 b) Flame cells  
 c) Malpighian tubule                        d) Green glands
  - 20) Ctenophorans are commonly referred to as \_\_\_\_\_  
 a) Sea-sparkle                                b) Moon jelly  
 c) Blue bottle                                 d) Comb jellies
  - 21) Free swimming ciliated larval stage of liver fluke is called \_\_\_\_\_  
 a) Miracidium                                 b) Cercaria  
 c) Metacercaria                                d) Sporocyst
  - 22) *Wuchereria bancrofti* is transmitted by \_\_\_\_\_  
 a) Tse-tse fly                                 b) Anopheles mosquito  
 c) Culex mosquito                             d) Sandflies
  - 23) \_\_\_\_\_ is a freshwater gastrotricha.  
 a) Halitemma                                 b) Dugesia  
 c) Pleurobrachia                                d) Chetonotus

**(8×0.5=4)**