



K22U 3438

Reg. No. :

Name :

I Semester B.Sc. Degree (CBCSS – OBE – Regular/Supplementary/
Improvement) Examination, November 2022
(2019 Admission Onwards)
CORE COURSE IN ZOOLOGY
1B01ZLG : Protista and Non Chordata – I

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 different types of canal systems in sponges.
- 2) Write notes on the salient features of Phylum Cnidaria. Comment on its classification down to classes with suitable examples.
- 3) Briefly describe different classification systems.
- 4) Write notes on any four of the following :
 - a) *Adamsia*
 - b) *Brachionus*
 - c) *Pleurobrachia*
 - d) *Ancylostoma*
 - e) *Rhopalura*.

II. **Short Essay**. **Each** question carries **4** marks. Answer **any 2**.

- 5) Write a short essay on ICZN and its principles.
- 6) Explain conjugation in *Paramecium*.
- 7) Comment on the salient features of Phylum Mesozoa. Give examples.

III. **Short** answer questions. **Each** question carries **2** marks. Answer **any 6**.

- 8) Write a short note on cydippid larva.
- 9) What are stoloniferous corals ?
- 10) Describe sexual dimorphism with *Ascaris* as an example.

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- 11) Comment on the polyembryony in *Fasciola*.
- 12) Distinguish between protostomia and Deuterostomia.
- 13) What are the advantages of coelom ?
- 14) What are trichocysts ? What are their functions ?
- 15) What is metagenesis ?

IV. Multiple choice questions. **Each** question carries **0.5** mark. Answer **all**.

- 16) Which of the following animals is known as 'sea sparkle' ?
a) *Noctiluca* b) *Euplectella* c) *Paramecium* d) *Rhizostoma*
 - 17) Marginal sensory structure in the medusae of *Obelia*.
a) Cnidoblast b) Trichocyst c) Axoblast d) Statocyst
 - 18) Which is the characteristic larval form of porifera ?
a) Cydippid b) Amphiblastula
c) Pluteus d) Veliger
 - 19) Name the Phylum to which Chaetemonotus belongs to
a) Nematoda b) Platyhelminthes
c) Gastrotricha d) Placozoa
 - 20) Which of the following is a free living flatworm ?
a) *Dugesia* b) *Halitemma*
c) *Fasciola* d) *Acanthocephalus*
 - 21) Eight kingdom classification was proposed by
a) Ernst Haeckel b) Herbert Copeland
c) R.H. Whittaker d) Cavalier-Smith
 - 22) Largest class of sponges
a) Calcaria b) Demospongiae
c) Hexactinellida d) Turbellaria
 - 23) Which of the following is known as filarial worm ?
a) *Ancylostoma* b) *Schistosoma*
c) *Ascaris* d) *Wuchereria*
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