

0119627



Reg. No. :

Name :



K19U 3339

I Semester B.Sc. Degree (CBCSS(OBE) - Regular)
Examination, November - 2019
(2019 Admission)
Core Course in Zoology
1B01ZLG : PROTISTA AND NONCHORDATA - I

Time : 3 Hours

Max. Marks : 40

(Give illustrations and figures wherever necessary)

- I. **Essay questions: Answer any 2. Each question carries 8 marks.**
(2×8=16)
1. Describe the polymorphism in Coelentrata.
 2. Write an essay on different types of canal system in sponges with diagram
 3. Discuss the different types of taxonomic keys. Select any four phyla and prepare any two types of taxonomic keys.
 4. Describe the structural organization of *Paramecium*. Give a detailed description of conjugation.
- II. **Short Essays: Answer any 2. Each question carries 4 marks. (2×4=8)**
5. Write note on different methods of collecting zoological specimens.
 6. Write note on parasitic adaptation of *Ascaris*.
 7. Differentiate between polyp and medusa.
- III. **Short answer questions: Answer any 6. Each question carries 2 marks.**
(6×2=12)
8. Write notes on ICZN.
 9. What is statocyst?
 10. Differentiate between synonym and homonym.
 11. Give an account on amphiblastula.
 12. Write note on nutrition of *Paramecium*.
 13. Write note on pathogenicity and treatment of *Leishmania donovani*.
 14. Give an account on Demospongia.
 15. Write note on phyletics.

P.T.O.



IV. Multiple Choice Questions: Each question carries 0.5 mark. (8×0.5=4)

16. _____ is the structure in *Paramecium* which is used for defence, adhesion and anchorage.
- a) Kinetosome b) Alveolus
c) Cilium d) Trichocyst
17. Which among the following exhibits biradial symmetry?
- a) Starfish b) *Chaetonotus*
c) Round worm d) *Pleurobrachia*
18. *Euplectella* is commonly called _____.
- a) Glass sponge b) crown sponge
c) spongilla d) sycon
19. Chagas' disease is caused by
- a) *L.donovani* b) *L.tropica*
c) *L.brasiliensis* d) *Trypanasoma*
20. Free swimming larvae among porifera is commonly called
- a) grantia b) pheronema
c) cidippid d) amphiblastula
21. Alternation of generation among cnidarians is also known as
- a) metastasis b) metamerism
c) metagenesis d) metazoa
22. Nomenclature literally means
- a) to call by name b) to arrange by name
c) to arrange by hierarchy d) None of these
23. Which of the following has no segmentation?
- a) hydra b) earthworm
c) centipede d) cockroach
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