

Reg. No. :

Name :

**Second Semester B.Sc. Degree (CBCSS – OBE – Supplementary/
Improvement) Examination, April 2025
(2019 to 2023 Admissions)
CORE COURSE IN ZOOLOGY
2B02ZLG : Nonchordata – 2**

Max. Marks : 40

Time : 3 Hours

Instruction : Give illustrations and figures *wherever necessary*.

- I. Essay questions (**Each** question carries 8 marks). Answer **any two**. (2×8=16)
1. Write an essay on beneficial insects with special reference to apiculture and sericulture.
 2. Describe the salient features and classification of Phylum Mollusca. Mention examples.
 3. Compare and contrast the water vascular system in different classes of Echinodermata.
 4. Write an essay on the general characters and classification of Phylum Annelida with examples.
- II. Short essay (**Each** question carries 4 marks). Answer **any two**. (2×4=8)
5. Write notes on cephalic appendages of prawn.
 6. Describe the evolutionary significance of *Peripatus*.
 7. Write notes on the diseases transmitted by mosquitoes and housefly.
- III. Short answer questions (**Each** question carries 2 marks). Answer **any six**. (6×2=12)
8. Comment on *Limulus*.
 9. What are epipodites ?
 10. List out salient features of Nauplius larvae of prawn.
 11. What is mussel culture ? List out the stages of mussel culture.
 12. Comment on *Balanoglossus*.

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13. What is pedicellaria ?
14. What is parapodia ?
15. Comment on *Sacculina*.

IV. Multiple choice questions (**Each** question carries 0.5 mark). Answer **all**. (8×0.5=4)

16. *Loligo* belongs to the class

A) Mollusca	B) Pelecypoda
C) Cephalopoda	D) None of the above
17. Which phylum includes organisms with tube feet and a water vascular system ?

A) Mollusca	B) Echinodermata
C) Annelida	D) Arthropoda
18. Anticoagulant secreted by leech

A) Hirudin	B) Heparin
C) Aspirin	D) Vitamin K
19. Which of the following is a class of Mollusca with single coiled shell ?

A) Bivalvia	B) Cephalopoda
C) Gastropoda	D) Polyplacophora
20. The chitinous exoskeleton of the cephalothorax of *Penaeus* called

A) Carapace	B) Brachistegite
C) Gill cover	D) Branchial chamber
21. *Bugula* belongs to the phylum

A) Ectoprocta	B) Echiura
C) Phoronida	D) Echinodermata
22. Aristotle's lantern is found in

A) <i>Asterias</i>	B) <i>Antedon</i>
C) <i>Echinus</i>	D) <i>Ophiothrix</i>
23. *Palamnaeus* is commonly known as

A) Scorpion	B) Spider
C) Ticks	D) Centipede