

Total Pages : 2

B.Sc./2nd Sem (H)/ZOO/24(CBCS)

2024

2nd Semester Examination

ZOOLOGY (Honours)

Paper : C 3-T

[Non-Chordates-II]

[CBCS]

Full Marks : 40

Time : Two Hours

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers*

*in their own words as far as practicable.*

**Group - A**

Answer any *five* questions :                      2×5=10

1. Define coelom. Where is it located?
2. What do you mean by septal nephridium?
3. Name the respiratory organ present in prawn and cockroach.
4. Name the different castes of a termite colony.
5. What is connecting link? Give example.
6. Name two shell less molluscs.
7. Name the larval form of Annelida and Echinodermata.
8. What is osphradium?

P.T.O.

( 2 )

**Group - B**

Answer any *four* questions.

5×4=20

9. Write a short note on metamerism in Annelida with proper diagram.
10. Give a brief account on evolution of coelom in animals.
11. Provide a vivid picture of social life in termites.
12. State the characteristics features of Hemichordata.
13. Why Onychophorans are so important in non-chordate evolution?
14. Classify Annelida with reasons and examples.

**Group - C**

Answer any *one* question.

10×1=10

15. Describe water-vascular system with suitable diagram in Asterozoa.
16. (a) Give an account of metamorphosis in Lepidopteran insects with suitable diagram.  
(b) Describe torsion in Gastropoda with diagram.

5+5