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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 : $2 \times 5 = 10$

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 Asteroidea.
16. (a) Give an account of metamorphosis in Lepidopteran insects with suitable diagram.
(b) Describe torsion in Gastropoda with diagram.

5+5
