



B.Sc./1st Sem/ZOO/25(NEP)

2025

1st Semester Examination (CCFUP : NEP)

ZOOLOGY

Paper : MJ 1-T (Single Core Major)

(Systematics and Diversity of  
Life-Protists to Chordates)

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 bilateral body symmetry with an example.
2. What is Comb Jelly? Cite an example.
3. Define protostome with an example.
4. What is Ctenidium? Mention its function.
5. Name two exclusively marine invertebrate groups.
6. Define Chloragogen cells.
7. Name the six kingdoms of living world.

P.T.O.

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8. Mention the class of the following animals :

*Loligo* sp., *Ascaris* sp., *Nereis* sp., *Astropecten* sp.

**Group - B**

Answer any *four* questions :  $5 \times 4 = 20$

9. Classify Reptilia upto living Order with characters and example.
10. What is the evolutionary status of Hemichordate? Draw its affinities with other lower chordates.  $2+3$
11. Write general characteristics and evolutionary significance of Onychophora.  $2+3$
12. Describe different types of locomotion in protozoa with suitable drawings.
13. Mention five important parasitic adaptation found in helminths.
14. Write about the distinctive features of order Primate. Distinguish between Ratitae and Carinatae.  $3+2$

**Group - C**

Answer any *one* question :  $10 \times 1 = 10$

15. What do you mean by torsion? Describe torsion in Gastropod mollusca with proper diagram.  $2+8$

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16. Write down the systematic position of the following animals as per instruction with one reason per taxon :

2×5=10

- (i) *Entamoeba* (Subkingdom and Phylum)
  - (ii) *Hydra* (Phylum and Class)
  - (iii) *Aplysia* (Phylum and Class)
  - (iv) *Hyla* (Class and Order)
  - (v) *Gecko* (Class and Order)
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