



UNIVERSITY OF NORTH BENGAL
B.Sc. Honours 2nd Semester Examination, 2021

CC3-ZOOLOGY

NON-CHORDATES-II

Full Marks: 40

ASSIGNMENT

The figures in the margin indicate full marks.

Answer any four questions

10×4 = 40

1. Describe different larval forms of Echinodermata and comment on its evolutionary significance.
2. Diagrammatically explain the stages of metamorphosis in Lepidoptera and role of different hormones in the process.
3. Write down the salient features of Phylum Annelida and classify it upto class level with characters and suitable examples.
4. What do you mean by torsion and how it affects the nervous system of gastropods?
5. Discuss on the salient features, evolutionary affinities and the current systematic status of *Peripatus* sp.
6. Describe water vascular system of star fish with appropriate diagram emphasising its importance.
7. Give an account of locomotory organs and the mechanism of locomotion in *Nereis* sp.
8. Discuss on the general characters and the non-chordates and chordates affinities of Hemichordates with a special note on their systematic position.

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