

B.Sc. Semester - 6 (NEP-2020) Examination**March/April-2026****ZOO: Non-Chordates- 3, Ecology and Economic Zoology (Minor-6)****Time: 2:00 Hours****Marks: 50****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

Que.1 Answer the following questions. (10)

- 1) Write general characters and classification of phylum Mollusca up to class with suitable examples.
- 2) Write general characters and classification of phylum Echinodermata up to class with suitable examples.

OR

Que.1 Answer the following questions.

- 1) Write short note on Shell in Mollusca.
- 2) Describe water vascular system of starfish.

Que.2 Answer the following questions. (10)

- 1) Write note on grassland ecosystem.
- 2) Write note on food chain.

OR

Que.2 Answer the following questions.

- 1) Write note on marine ecosystem.
- 2) Write note on ecological pyramids.

Que.3 Answer the following questions. (10)

- 1) Explain social organization of honey bee colony.
- 2) Write note on Apiary.

OR

Que.3 Answer the following questions.

- 1) Explain formation of pearl.
- 2) Explain artificial pearl culture method.

Que.4 Answer the following questions. (10)

- 1) Describe the life cycle of *Bombyx mori*.
- 2) Explain silkworm rearing method.

OR

Que.4 Answer the following questions.

- 1) Explain culture practice of Indian major carps in general.
- 2) Describe the symptoms, cause and control measures of any two fish disease.

Que.5 Answer the following questions. (10)

- 1) Write general characters and classification of phylum Hemichordate up to class with suitable examples.
- 2) Explain energy flow in ecosystem.

OR

Que.5 Answer the following questions.

- 1) Write note on products of apiculture industry and its uses.
- 2) Write note on fish by-products.
