

B.Sc. Semester - 2 (NEP-2020) Examination**MARCH/APRIL-2026****ZOO: Chordates -1, Evolution and Developmental Biology (Minor-2)****Time: 2:00 Hours****Marks: 50****Instructions:**

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

Que. 1 Answer the following question: (Any one out of two) (10)

- 1) Explain fish migration in detail.
- 2) Write salient features of subphylum Urochordata and classification up to class.

OR

Que. 1 Answer the following question: (Any one out of two)

- 1) Write salient characters of superclass Pisces and its classes with suitable examples.
- 2) Describe ctenoid and ganoid scales with appropriate diagram.

Que. 2 Answer the following question: (Any one out of two) (10)

- 1) Provide a detailed account with specific characters of monotremes.
- 2) Describe the general characters of class Reptilia with suitable examples.

OR

Que. 2 Answer the following question: (Any one out of two)

- 1) Describe the salient characters of class Aves.
- 2) Write a detailed note on Archaeopteryx explaining it as a connecting link.

Que. 3 Answer the following question: (Any one out of two) (10)

- 1) Write a detailed note on Lamarckism and explain objections challenging Lamarckism.
- 2) Write a short note on: *Cro-Magnon man*.

OR

Que. 3 Answer the following question: (Any one out of two)

- 1) Explain fundamental facts proposed by Darwin to explain evolution.
- 2) Write a detailed note on fossils and types of it.

Que. 4 Answer the following question: (Any one out of two) (10)

- 1) Write a short note on metamorphosis in amphibians
- 2) Write a short note on eggs based on amount of yolk.

OR

Que. 4 Answer the following question: (Any one out of two)

- 1) Write a short note on oogenesis.
- 2) Write a short note on meroblastic cleavage with labelled diagrams.

Que. 5 Answer the following question: (Any one out of two) (10)

- 1) Give detailed characters of class which includes jawless animals.
- 2) Give general account of Ratitae.

OR

Que. 5 Answer the following question: (Any one out of two)

- 1) Explain spermatogenesis.
- 2) Describe Merychippus and Equus.
