

B.Sc. Semester - 2 (NEP-2020) Examination**MARCH/APRIL-2025****ZOO: Chordates -1, Evolution and Developmental Biology (Major-3)****Time: 2:00 Hours****Marks: 50****Instructions:**

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

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- Que-1 ANSWER THE FOLLOWING QUESTIONS. (10)
- 1) Give the general characters and classification of super class Pisces up to class.
 - 2) Give the difference between Chondrichthyes and Osteichthyes.
- OR
- Que-1 ANSWER THE FOLLOWING QUESTIONS.
- 1) Give the classification of subphylum Urochordata upto class.
 - 2) Describe Scales in fishes.
- Que-2 ANSWER THE FOLLOWING QUESTIONS. (10)
- 1) Give general characters of Class Amphibia with suitable examples.
 - 2) Give the general account of Ratitae.
- OR
- Que-2 ANSWER THE FOLLOWING QUESTIONS.
- 1) Give general characters of Class Reptiles with suitable examples.
 - 2) Describe Archaeopteryx as a connecting link between Reptiles and Aves.
- Que-3 ANSWER THE FOLLOWING QUESTIONS. (10)
- 1) Write a note on Darwinism in detail.
 - 2) Describe Evolution of Horse.
- OR
- Que-3 ANSWER THE FOLLOWING QUESTIONS.
- 1) Write a note on Lamarckism in detail.
 - 2) Describe Evolution of Man.
- Que-4 ANSWER THE FOLLOWING QUESTIONS. (10)
- 1) Describe types of eggs according to distribution of yolk.
 - 2) Write a note on Spermatogenesis.
- OR
- Que-4 ANSWER THE FOLLOWING QUESTIONS.
- 1) Write a note on Oogenesis.
 - 2) Give a detailed account of Metamorphosis in Amphibia.
- Que-5 ANSWER THE FOLLOWING QUESTIONS. (10)
- 1) Write a note on Migration in Fishes.
 - 2) Describe Platypus as a connecting link between Aves and Mammals.
- OR
- Que-5 ANSWER THE FOLLOWING QUESTIONS.
- 1) Describe Types of fossils in detail.
 - 2) Describe Holoblastic cleavage in detail.
