

B.Sc. Semester - 3 (NEP-2020) Examination**OCT/NOV-2025****ZOO: Chordates -2, Histology, Physiology and Ecology (Major-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. Describe Parental care in Amphibia.
2. Give a general account on Sphenodon.

OR

Que.1 Answer the following questions.

1. Describe peculiarities and affinities of Marsupials in detail.
2. Describe type of Claws in Aves.

Que.2 Answer the following questions. (10)

1. Describe brain of Calotes.
2. Describe any two venomous and any two non venomous snakes.

OR

Que.2 Answer the following questions.

1. Describe female urinogenital system of Calotes.
2. Give the identification keys of venomous and non venomous snakes.

Que.3 Answer the following questions. (10)

1. Describe any five types of microtomes with their application.
2. Describe histological structure and function of mammalian skin.

OR

Que.3 Answer the following questions.

1. Describe different type of stains.
2. Describe histological structure and function of mammalian Spleen .

Que.4 Answer the following questions. (10)

1. Write note on double circulation in Heart.
2. Describe cardiac output and electrocardiogram.

OR

Que.4 Answer the following questions.

1. Describe Ecological pyramid.
2. Describe energy flow in ecosystem.

Que.5 Answer the following questions. (10)

1. Describe parental care in fishes.
2. Describe digestive system of calotes.

OR

Que.5 Answer the following questions.

1. Describe double staining technique.
2. Describe types of blood pressure and its abnormalities.
