

B.Sc. Semester - 3 (NEP-2020) Examination**OCT/NOV-2025****ZOO: Fundamentals of Zoology -3 (Multidisciplinary Course)****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 structure and function of Endoplasmic reticulum.
2. Describe mitotic cell division.

OR

Que.1 ANSWER THE FOLLOWING QUESTIONS.

1. Describe structure and function of Mitochondria.
2. Describe Transport of nutrients and ions across cell membrane.

Que.2 ANSWER THE FOLLOWING QUESTIONS. (10)

1. Describe any five type of microtome with their application.
2. Describe histological structure and function of mammalian Eye.

OR

Que.2 ANSWER THE FOLLOWING QUESTIONS.

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

Que.3 ANSWER THE FOLLOWING QUESTIONS. (10)

1. Describe cardiac output and Electrocardiogram.
2. Describe energy flow in Ecosystem.

OR

Que.3 ANSWER THE FOLLOWING QUESTIONS.

1. Describe types of blood pressure and its abnormalities.
2. Describe Ecological pyramids.

Que.4 ANSWER THE FOLLOWING QUESTIONS. (10)

1. Give the Difference between National park and Santuaries.
2. Describe Nalsarovar bird sanctuary.

OR

Que.4 ANSWER THE FOLLOWING QUESTIONS.

1. Write note on Marine national park in Gulf of Kutch.
2. Describe Kutch desert wildlife sanctuary.

Que.5 ANSWER THE FOLLOWING QUESTIONS. (10)

1. Describe structure and function of Ribosome.
2. Describe double staining technique.

OR

Que.5 ANSWER THE FOLLOWING QUESTIONS.

1. Describe double circulation in heart.
2. Write note on Gir Forest national park.
