

B.Sc. Semester - 1 (NEP-2020) Examination**OCT/NOV-2025****ZOO.Fundamentals of Zoology-1 (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 Lysosome.
2. Describe structure and function of Plasma membrane.

OR

Que.1 ANSWER THE FOLLOWING QUESTIONS.

1. Describe cell discovery and cell theory.
2. Describe Tight junction, Gap junction and Desmosomes.

Que.2 ANSWER THE FOLLOWING QUESTIONS. (10)

1. Describe histological structure and function of cuboidal Epithelium.
2. Describe histological structure and function of mammalian Liver.

OR

Que.2 ANSWER THE FOLLOWING QUESTIONS.

1. Describe histological structure and function of stratified Epithelium.
2. Describe histological structure and function of mammalian Intestine.

Que.3 ANSWER THE FOLLOWING QUESTIONS. (10)

1. Describe physiology of digestion of carbohydrate.
2. Describe composition of Blood.

OR

Que.3 ANSWER THE FOLLOWING QUESTIONS.

1. Describe digestion in Protein.
2. Describe physiology of Blood coagulation.

Que.4 ANSWER THE FOLLOWING QUESTIONS. (10)

1. Define multiple alleles. Give the characters of Multiple alleles.
2. Describe coat colour in Rabbit.

OR

Que.4 ANSWER THE FOLLOWING QUESTIONS.

1. Describe A, B, AB and O blood group in human.
2. Define Cistron, Recon, Muton, Jumping genes.

Que.5 ANSWER THE FOLLOWING QUESTIONS. (10)

1. Describe Difference between prokaryotic and eukaryotic cells.
2. Describe histological structure and function of mammalian Stomach.

OR

Que.5 ANSWER THE FOLLOWING QUESTIONS.

1. Describe absorption of lipid.
2. Describe 'Rh' factor and Erythroblastosis foetalis.
