

B.Sc. Semester - 1 (NEP-2020) Examination**OCT/NOV-2024****ZOO: Fundamentals of Zoology-1 (Major-2)****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) Describe the structure and function of Lysosome.
2) Describe the structure and function of Plasma membrane.
OR
- Que-1 Answer the Followings Questions. (10)**
1) Describe the structure and function of Golgi complex.
2) Describe: Tight junctions and Desmosome.
- Que-2 Answer the Followings Questions. (10)**
1) Describe the structure and function of Bone.
2) Describe the structure and function of stratified and columnar epithelium.
OR
- Que-2 Answer the Followings Questions. (10)**
1) Describe histological structure and function of mammalian intestine.
2) Describe histological structure and function of mammalian liver.
- Que-3 Answer the Followings Questions. (10)**
1) Write a detailed note on digestion and absorption of protein.
2) Give a detailed account on physiology of coagulation of blood.
OR
- Que-3 Answer the Followings Questions. (10)**
1) Write a detailed note on digestion and absorption of carbohydrates.
2) Describe composition of blood.
- Que-4 Answer the Followings Questions. (10)**
1) Explain in detail muton and recon.
2) Describe blood groups in human.
OR
- Que-4 Answer the Followings Questions. (10)**
1) Explain the role of the "C" gene in determining rabbit coat color.
2) Describe Erythroblastosis foetalis.
- Que-5 Answer the Followings Questions. (10)**
1) Describe structure and functions of centrioles and basal bodies.
2) Describe histological structure and function of mammalian stomach.
OR
- Que-5 Answer the Followings Questions. (10)**
1) Explain the digestion and absorption of lipid and nucleic acids.
2) Define multiple alleles. Explain its characteristics in detail.
