

B.Sc. Semester - 1 (NEP-2020) Examination**OCT/NOV-2024****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.

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- Que-1 Answer the Following Questions. (10)**
1) Describe prokaryotic and eukaryotic animal cell.
2) Describe structure and function of Golgi apparatus.
OR
- Que-1 Answer the Followings Questions. (10)**
1) Describe structure and function of Lysosome.
2) Describe Tight junction, Gap junction and Desmosome.
- Que-2 Answer the Followings Questions. (10)**
1) Describe histological structure and function of columnar Epithelium.
2) Describe histological structure and function of mammalian stomach.
OR
- Que-2 Answer the Followings Questions. (10)**
1) Describe histological structure and function of stratified Epithelium.
2) Describe histological structure and function of mammalian Pancreas.
- Que-3 Answer the Followings Questions. (10)**
1) Describe physiology of digestion of protein.
2) Describe physiology of coagulation of blood.
OR
- Que-3 Answer the Followings Questions. (10)**
1) Describe absorption in lipid.
2) Describe types of W.B.C.s.
- Que-4 Answer the Followings Questions. (10)**
1) Define multiple alleles. Give the characters of Multiple alleles.
2) Describe A, B, AB and O blood group in human.
OR
- Que-4 Answer the Followings Questions. (10)**
1) Describe coat colour in Rabbit.
2) Describe 'Rh' factor and Erythroblastosis foetalis.
- Que-5 Answer the Followings Questions. (10)**
1) Describe structure and function of Plasma membrane.
2) Describe histological structure and function of mammalian Intestine.
OR
- Que-5 Answer the Followings Questions. (10)**
1) Describe physiology of digestion of Carbohydrates.
2) Define Cistron, Recon, Muton, Jumping genes.
