

B.Sc. Semester – 1 (NEP-2020) Examination**January-2024****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 Golgi complex. (05)
2. Describe the structure and function of Plasma membrane. (05)
OR
- Que.1 Answer the following questions. (10)
1. Describe the structure and function of Lysosome. (05)
2. Describe: Tight junctions and Gap junctions. (05)
- Que.2 Answer the following questions. (10)
1. Describe the structure, types and function of cartilage connective tissues. (05)
2. Describe histological structure and function of mammalian stomach. (05)
OR
- Que.2 Answer the following questions. (10)
1. Describe the structure and function of stratified epithelium. (05)
2. Describe histological structure and function of mammalian liver. (05)
- Que.3 Answer the following questions. (10)
1. Describe the Physiology of Co-agulation of blood. (05)
2. Describe Digestion of Protein in stomach. (05)
OR
- Que.3 Answer the following questions. (10)
1. Describe composition of blood. (05)
2. Describe absorption of carbohydrate in intestine. (05)
- Que.4 Answer the following questions. (10)
1. Give the definition of cistron, recon, muton and Jumping genes. (05)
2. Describe blood groups in human. (05)
OR
- Que.4 Answer the following questions. (10)
1. Describe coat colour in Rabbit. (05)
2. Describe Erythroblastosis foetalis. (05)
- Que.5 Answer the following questions. (10)
1. Write the difference between prokaryotic and eukaryotic cell. (05)
2. Describe histological structure and function of mammalian pancreas. (05)
OR
- Que.5 Answer the following questions. (10)
1. Describe digestion of protein in intestine. (05)
2. What is multiple alleles? Describe characteristic of it. (05)
