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BSCzoMJ202x-1C

Seat No : _____

B.Sc. Semester - 1 (NEP-2020) Examination

OCT/NOV-2025

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.

- Que.1 Answer the following questions. (10)
- (1) Describe the structure and function of Golgi complex.
 - (2) Describe Prokaryotic and Eukariotic animal cells.
- OR
- Que.1 Answer the following questions.
- (1) Describe the structure and function of Lysosome.
 - (2) Describe: Tight junctions and Gap junctions.
- Que.2 Answer the following questions. (10)
- (1) Describe the structure, location and function of columnar and ciliated epithelium.
 - (2) Describe the structure and function of cartilage connective tissue.
- OR
- Que.2 Answer the following questions.
- (1) Describe histological structure and function of mammalian stomach.
 - (2) Describe histological structure and function of mammalian liver.
- Que.3 Answer the following questions. (10)
- (1) Write a detailed note on digestion and absorption of carbohydrates.
 - (2) Describe physiology of coagulation of blood.
- OR
- Que.3 Answer the following questions.
- (1) Write a detailed note on digestion and absorption of protein.
 - (2) Describe different types of WBCS.
- Que.4 Answer the following questions. (10)
- (1) Explain in detail cistron, recon, Muton and Jumping genes.
 - (2) Describe blood groups in human.
- OR
- Que.4 Answer the following questions.
- (1) Explain multiple alleles through the example of "C" gene rabbit.
 - (2) Describe Erythroblastosis foetalis.
- Que.5 Answer the following questions. (10)
- (1) Describe the structure and function of Plasma membrane.
 - (2) Describe histological structure and function of mammalian Pancreas.
- OR
- Que.5 Answer the following questions.
- (1) Define multiple alleles. Give the characters of Multiple alleles.
 - (2) Describe digestion and absorption of Lipid.
