

B.Sc. Semester - 2 (NEP-2020) Examination**JUNE – 2024****ZOO: Fundamentals of Zoology -2 (Major-4)****Time: 2:00 Hours****Marks: 50****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

Que:1 Answer the following question (10)

- (1) Write a note on structure and function of skeletal muscle.
- (2) Explain histological structure and function of pituitary gland.

OR

Que:1 Answer the following question (10)

- (1) Write a note on cardiac muscle.
- (2) Write a note on histological structure and function of Adrenal gland.

Que:2 Answer the following question (10)

- (1) Describe the Mechanism of muscle contraction in detail.
- (2) Write a note on Formation of Urine.

OR

Que:2 Answer the following question (10)

- (1) Explain different types of Nitrogenous Waste.
- (2) Write a note on detail structure of Nephron.

Que:3 Answer the following question (10)

- (1) Discuss contribution of Karl Von Frish in Ethology.
- (2) Explain Social Behaviour of Honey bee.

OR

Que:3 Answer the following question (10)

- (1) Discuss contribution of Ivan Pavlov in Ethology.
- (2) Write a note on Courtship & Reproductive Behaviour of Peacock.

Que:4 Answer the following question (10)

- (1) Write a note on Marine Ecosystem in detail.
- (2) Explain Terrestrial Ecosystem- Grassland.

OR

Que:4 Answer the following question (10)

- (1) Write a note on Fresh water – Pond Ecosystem in detail.
- (2) Describe Food chain and food web.

Que:5 Answer the following question (10)

- (1) Write a note on Thyroid gland with their functions.
- (2) Describe Control of Renal Function.

OR

Que:5 Answer the following question (10)

- (1) What is Parental Care? Explain with any one example.
- (2) Explain Structure and function of Ecosystem.
