

B.Sc. Semester - 2 (NEP-2020) Examination

JUNE – 2024

ZOO: Fundamentals of Zoology -2 (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 the histological structure and function of Cardiac muscle.
- 2) Explain the structure and function of Thyroid gland.

OR

Que.1 Answer the following questions

- 1) Write a note on Structure and function of skeletal muscle.
- 2) Describe the structure and function of Pituitary gland in detail.

Que.2 Answer the following questions (10)

- 1) Describe the mechanism of muscle contraction in detail.
- 2) Write a short note on the structure of nephron.

OR

Que.2 Answer the following questions

- 1) Describe Different types of Nitrogenous Waste.
- 2) Describe control of Renal function.

Que.3 Answer the following questions (10)

- 1) Describe the social behaviour in Termite.
- 2) Describe Parental care with any two examples.

OR

Que.3 Answer the following questions

- 1) Write a short note on the contribution of Karl Von Frisch in ethology.
- 2) Describe the courtship behaviour in arthropods with suitable examples.

Que.4 Answer the following questions (10)

- 1) Write a note on marine ecosystem in detail.
- 2) Write a note on structure and function of an ecosystem.

OR

Que.4 Answer the following questions

- 1) Describe the freshwater ecosystem in detail.
- 2) Write a note on food chain and food web.

Que.5 Answer the following questions (10)

- 1) Describe structure and function of Adrenal gland.
- 2) Describe formation of urine in detail.

OR

Que.5 Answer the following questions

- 1) Describe social behaviour in honey-bee.
- 2) Describe the terrestrial ecosystem in detail.
