

B.Sc. Semester - 5 (Remedial) (NEP-2020) Examination**March/April-2026****ZOO: Chordates -3 and Physiology (Major-12)****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) What is air-bladder? Describe types, structure and function of air-bladder.
- (2) What is Neoteny? Describe Neoteny and its types.

OR

Que.1 Answer the following questions.

- (1) Describe different types of feathers in aves.
- (2) Give a general account on egg laying mammals with its affinities.

Que.2 Answer the following questions. (10)

- (1) Give the comparative account of stomach in vertebrates.
- (2) Compare Pronephrous and Metanephrous kidney.

OR

Que.2 Answer the following questions.

- (1) Give the comparative accounts of intestine in vertebrates.
- (2) Compare the brain of Pisces and Amphibia.

Que.3 Answer the following questions. (10)

- (1) Describe physiology of coagulation of blood.
- (2) Describe exchange of gases in respiration.

OR

Que.3 Answer the following questions.

- (1) Describe Atherosclerosis and Coronary artery disease.
- (2) Describe respiratory pigments.

Que.4 Answer the following questions. (10)

- (1) Write a note on structure and types of neurons.
- (2) Write a note on Ovary as endocrine gland.

OR

Que.4 Answer the following questions.

- (1) Write a note on conduction of nerve impulse.
- (2) Describe lymphatic tissues and its role.

Que.5 Answer the following questions. (10)

- (1) Describe types of caudal fins in fishes.
- (2) Sketch and label brain of Reptiles.

OR

Que.5 Answer the following questions.

- (1) Write short note on Congenital Defects.
- (2) Write note on testes as endocrine gland.
