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NEPSA—3022—2025

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (NEP) (First Year) (Second Semester) EXAMINATION

APRIL/MAY, 2025

ZOOLOGY

(SZOOCT-1151)

(Biodiversity of Chordates)

(Thursday, 17-4-2025)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

N.B. :— (i) Q. No. 1 is compulsory.

(ii) Out of remaining 5 questions (Q. Nos. 2 to 6) answer any 3 questions.

(iii) All questions carry equal marks.

(iv) Illustrate your answers with suitable labelled diagrams, wherever necessary.

1. Answer each of the following : 10

(a) General characters of chordates.

(b) Structure of Gill of Scoliodon.

(c) Non-poisonous snake.

(d) Medulla oblongata of Rat.

2. Describe general characters of Urochordates. 10

Or

Write notes on :

(a) General characters of Agnatha.

(b) General characters of Cyclostomata.

P.T.O.

3. Describe respiratory system of Scoliodon. 10

Or

Write notes on :

(a) Aestivation in frog.

(b) Parental care in Amphibia.

4. Describe flight adaptation in Birds. 10

Or

Write notes on :

(a) General characters of Aves.

(b) General characters of Reptiles.

5. Describe external characters of Rat. 10

Or

Write notes on :

(a) Spinal cord of Rat.

(b) Hind-brain of Rat.

6. Answer each of the following : 10

(a) Ancestry of chordates

(b) Economic importance of fishes

(c) Longitudinal migration in Birds

(d) Structure of eye of Rat.