

Bachelor of Science (B.Sc.) Semester—III (C.B.S.) Examination

ZOOLOGY

(Life and Diversity of Animals-Chordates)

(Proto-Chordata to Amphibia)

Paper—1

Time : Three Hours]

[Maximum Marks : 50

N.B. :— (1) **ALL** questions are compulsory.

(2) All questions carry equal marks.

(3) Illustrate your answers with suitable diagrams.

1. Describe the digestive system of Herdmania.

10

OR

Write notes on :

(A) Sense organs of Amphioxus.

5

(B) Characters of Petromyzon.

5

2. Write note on migration in Fishes.

10

OR

Write notes on :

(A) Parental care in Anura.

5

(B) Accessary respiratory organ in Fishes.

5

3. Describe the process of Spermatogenesis.

10

OR

Write notes on :

(A) Types of Eggs.

5

(B) Types of scales of Fishes.

5

4. Describe the development of respiratory organs in Frog. 10

OR

Write notes on :

(A) Morphogenetic movements in Gastrula of Frog. 5

(B) External gill stage of Frog. 5

5. Write **four** or **five** lines on the following (any **TEN**) :

(i) Sensory vesicle

(ii) Urochordata

(iii) Wheel organ

(iv) Amphidromous fishes

(v) Axolotl larva

(vi) Air bladder

(vii) Advance fry

(viii) Chemotaxis

(ix) Telolecithal egg

(x) Visceral pouches

(xi) Epiboly

(xii) Grey crescent. 10