

Third Semester B. Sc. Examination
ZOOLOGY
Paper : I
**(Life and Diversity of Animals – Chordates)
(Protochordata to Amphibia)**

Time : Three Hours]

[Max. 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 general characters of Protochordata. Write a note on its classification. 10

OR

Write note on :—

(A) Circulatory system in **Amphioxus**. 5
 (B) Digestive system of **Amphioxus** (Diagram only). 5

2. Give an account of Paranal care in Amphibia. 10

OR

Write notes on :—

(A) Accessory Respiratory organs in fishes.
 (B) Salient features of chondrichthyes. 10

3. Discuss in brief the post fertilization development in Fish. 10

OR

Write note on :—

(A) Fertilization of Egg. 5
 (B) Development of Placoid scale. 5

4. Development of Aortic Arches of frog. 10

OR

Write note on :—

(A) Cleavage in frog.
 (B) Fate Map of frog. 10

5. Write **Four** or **Five** lines on the following (Any **Ten**)

(i) Craniata.
 (ii) Vellar tentacles.
 (iii) Ammocoete larva.
 (iv) Anadromus.
 (v) Anura.
 (vi) Neoteny.
 (vii) Vitello genesis.
 (viii) Capacitation.
 (ix) Fingerlings.
 (x) Embryo.
 (xi) Hyoid arch.
 (xii) Conus arteriosus. 10