

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 Parental 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.
(xi) Fingerlings.
(x) Embody.
(xi) Hyoid arch.
(xii) Conus arteriosus. 10