

Bachelor of Science (B.Sc.) Semester—III (C.B.S.) Examination
ZOOLOGY(Life and Diversity of Animals-Chordates)
Paper—I

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. Give an account of digestive system of Amphioxus. 10

OR

Write short notes on :—

(A) Structure of Ascidian tadpole. 5

(B) Salient Features of Agnatha. 5

2. Describe in detail Parental care in Amphibia. 10

OR

Write notes on :—

(A) Accessory Respiratory organs in Fishes. 5

(B) Diadromus migration in Fishes. 5

3. Give an account of Post-embryonic development in Fishes. 10

OR

Write notes on :—

(A) Fertilizin-Antifertilizin reaction. 5

(B) Oogenesis. 5

4. Describe the development of Aortic arch as in Frog. 10

OR

Write notes on :—

(A) Fate map. 5

(B) Gastrulation in Frog. 5

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

(i) Test

(ii) Dorsal Lamina

(iii) Kolliker's pit

(iv) Dipnoi

(v) Potamodromous migration

(vi) Chondrichthyes

(vii) Vitellogenesis

(viii) Gametogenesis

(ix) Microlecithal egg

(x) Grey crescent

(xi) Morula

(xii) Yolk plug. 10