

2056
Bachelor of Science (FYUP) Second Semester
Zoology
Paper: Diversity of Chordates (Old)

Time allowed: 3 Hours

Max. Marks: 60

NOTE: Attempt five questions in all, including Question No. I which is compulsory and selecting one question from each Unit. Draw neat and well labelled diagram wherever required.

x-x-x

I. Briefly explain the following:-

- a) Endostyle
- b) Mermaid's purse
- c) Ammocoete larva
- d) Parotid gland
- e) Altricial
- f) Crop of birds
- g) Acrodont
- h) Patagium

(8×1½)

UNIT – I

II. a) Describe various fundamental characters of Chordates.

b) Write eco-morphological note on Balanoglossus.

(7+5)

III. Explain in detail about structure and metamorphosis of Ascidian larva.

(12)

UNIT – II

IV. Write a short note on the following :-

a) Types of neoteny

b) Environmental factors affecting neoteny

(4+8)

V. What is migration? Give a detailed account of migration of fishes.

(12)

UNIT – III

VI. Discuss in detail about the poisonous apparatus and biting mechanism of a venomous snake.

(12)

VII. Explain the following :-

a) Principle of flight

b) Flight adaptation in birds

(6+6)

UNIT - IV

VIII. Write notes on the following:-

a) Check teeth and their types

b) Eco-morphological note on Pteropus and Capra

(4+8)

IX. Write in detail about divergent evolution in mammals based on their locomotory appendages.

(12)

x-x-x

