

D 31842

(Pages : 2)

Name.....

Reg. No.....

**THIRD SEMESTER (CBCSS—UG) DEGREE EXAMINATION
NOVEMBER 2022**

Zoology

ZOL 3B 03T—ANIMAL DIVERSITY : CHORDATA—PART I

(2019 Admission onwards)

Time : Two Hours

Maximum : 60 Marks

Section A

I. Short answer questions. Each question carries 2 marks :

- 1 Explain salient features of phylum Chordata.
- 2 Write a short note on Herdmania.
- 3 Give the scientific name of a common species of Cephalochordata. Mention its habitat.
- 4 Briefly explain metamorphosis of Ascidian tadpole.
- 5 Name the larval form of Petromyzon and write a short note on its features.
- 6 Explain the features of Chimaera.
- 7 Name the three genera of living lung fishes. Mention their distribution.
- 8 Give a note on lateralline sense organs in Mugil cephalus.
- 9 Write two examples for Anuran amphibian.
- 10 Explain briefly the hyoid apparatus in frog.
- 11 What are stem reptiles ? Mention its order.
- 12 Write the scientific name of any four venomous snakes of Kerala.

(Ceiling : 20 marks)

Section B

II. Paragraph questions. Each question carries 5 marks :

- 13 Give an account on affinities and systematic position of Amphioxus.
- 14 Briefly explain neoteny and paedogenesis in ascidia.
- 15 List the characters of Agnatha.
- 16 Distinguish between sarcopterygii and Actinopterygii.
- 17 List the major features of Anuran amphibian.

Turn over

- 18 Sphenodon is said to be a living fossil, why ?
19 Explain the features of class Osteichthyes.

(Ceiling : 30 marks)

Section C

III. Essay questions. Answer any *one* question :

- 20 Describe the reproductive system of male and female Indian bull frog.
21 Write an essay on identification of poisonous and non-poisonous snakes of Kerala citing examples.

(1 × 10 = 10 marks)