



'সমানো মন্ত্র: সমিতি: সমানী'

UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 3rd Semester Examination, 2023

CC5-ZOOLOGY

CHORDATES

Time Allotted: 2 Hours

Full Marks: 40

The figures in the margin indicate full marks.

1. Answer any **five** questions from the following: 1×5 = 5
 - (a) What do you mean by haemotoxic venom?
 - (b) What is calamus?
 - (c) Write the name of the larval form of lamprey.
 - (d) What type of migration is found in Salmon fish?
 - (e) Mention the type of jaw suspension in snakes.
 - (f) Mention the name of one flightless bird endemic to Australian realm.
 - (g) What is metanephric Kidney?
 - (h) What is portal system?

2. Answer any **three** questions from the following: 5×3 = 15
 - (a) Write the characteristic features and affinities of Prototheria.
 - (b) Write a short note on Oriental Realm.
 - (c) Write a brief description on the parental care in Amphibia.
 - (d) Explain the Echinoderm theory of origin of chordates.
 - (e) Write a note on retrogressive metamorphosis in *Ascidia*.

3. Answer any **two** questions from the following: 10×2 = 20
 - (a) Explain the biting mechanism of poisonous snake. Add a note on the structure of poison apparatus. 5+5
 - (b) Write the differences between Chondrichthyes and Osteichthyes. Write the characteristics features of Dipnoi. 6+4
 - (c) Describe the mechanism of aerodynamics of flight in birds.
 - (d) Give an account of different types of exoskeletal derivatives in mammals.

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