



K24U 1641

Reg. No. :

Name :

Second Semester B.Sc. Degree (CBCSS – OBE-Regular/Supplementary/
Improvement) Examination, April 2024
(2019 Admission Onwards)
COMPLEMENTARY ELECTIVE COURSE IN ZOOLOGY
2C02ZLG : Diversity of Life II
Chordate Form and Function

Time : 3 Hours

Max. Marks : 32

Instruction : Provide labeled diagrams *wherever* necessary.

I. Essay Questions. Answer **any two**. (2×6=12)

- 1) Write an essay on the salient features of the phylum Chordata. Write the outline classification of the phylum Chordata.
- 2) Describe the salient features of the Class Reptilia and classify the Class Reptilia.
- 3) Write an essay on the economic importance of fishes.
- 4) Describe the dentition in Mammals.

II. Short Essay Questions. Answer **any two**. (2×3=6)

- 5) Write a short note on the characteristic features of *Ichthyophis*.
- 6) Describe the diagnostic features of superclass Tetrapoda.
- 7) Explain the morphological features of Order Primates.

III. Short Answer Questions. Answer **any six**. (6×2=12)

- 8) What is the difference between Meroblastic and Holoblastic Cleavage ?
- 9) Describe the features of *Branchiostoma*.
- 10) Give an account on pouched mammals.

P.T.O.

K24U 1641



- 11) Write notes on the order Carnivora.
- 12) Differentiate between Ratite and Carinate of the class Aves.
- 13) Explain the importance of *Ornithorhynchus*.
- 14) Give a brief account on gastrulation and blastulation.
- 15) Sketch and label the mammalian sperm.

IV. Multiple Choice Questions. Answer **all** questions. (4×0.5=2)

- 16) One of the following is not a true fish.
 - a) Hippocampus – Sea horse
 - b) Hythalamictyes – Silver carp
 - c) Carassius – Goldfish
 - d) Lepisma – Silverfish
- 17) Example for a Limbless amphibian.
 - a) *Ichthyophis*
 - b) *Hyla*
 - c) *Phyllosoma*
 - d) *Bufo*
- 18) Reptiles are
 - a) warm blooded
 - b) cold blooded
 - c) hot blooded
 - d) all of the above
- 19) Cartilaginous endoskeleton is seen in
 - a) Osteichthyes
 - b) Branchiostoma
 - c) Dipnoi
 - d) Elasmobranch