



K23U 2012

Reg. No. :

Name :

II Semester B.Sc. Degree (CBCSS – OBE – Regular/Supplementary/
Improvement) Examination, April 2023
(2019 Admission Onwards)

COMPLEMENTARY ELECTIVE COURSE IN ZOOLOGY
2C 02 ZLG : Diversity of Life – II
Chordate Form and Function

Time : 3 Hours

Max. Marks : 32

- I. Essay Questions. Answer **any two**. (2×6=12)
- 1) Discuss salient features of class Mammalia.
 - 2) With a suitable labelled diagram, explain digestive system in *Scoliodon*.
 - 3) Write notes economic importance of fishes.
 - 4) Write an essay on cleavage divisions, highlighting various planes of division and types of cleavage.
- II. Short Essay Questions. Answer **any two**. (2×3=6)
- 5) Write notes on dentition in mammals.
 - 6) Write on salient features of order Crocodylia.
 - 7) Comment on the evolutionary significance of *Archaeopteryx*.
- III. Short Answer Questions. Answer **any six**. (6×2=12)
- 8) Mention special features of Order Chiroptera.
 - 9) Comment on 'extremely telolecithal' eggs.
 - 10) Name any two extra embryonic membranes and state their functions.
 - 11) Write on the peculiarities of Marsupials.
 - 12) State how the heart of Pisces is unique among vertebrates.
 - 13) Write notes on ovoviviparity.
 - 14) What is 'iter' ?
 - 15) Mention the characteristics pertaining to sea snakes.

P.T.O.

K23U 2012



- IV. Multiple Choice Questions. **All** questions are **compulsory**. (4×0.5=2)
- 16) Stings of *Trygon* are modified
 - a) pectoral fin
 - b) dorsal fin
 - c) caudal fin
 - d) anal fin
 - 17) Axolotl is the larval form of
 - a) Ambystoma
 - b) Necturus
 - c) Ichthyophis
 - d) Petromyzon
 - 18) Ornithorhynchus is a/an
 - a) pouched mammal
 - b) arboreal mammal
 - c) placental mammal
 - d) egg-laying mammal
 - 19) Retrogressive metamorphosis occurs in
 - a) Branchiostoma
 - b) Doliolum
 - c) Ascidia
 - d) Ambystoma

