



K25U 1341

Reg. No. : .....

Name : .....

**Second Semester B.Sc. Degree (C.B.C.S.S. – O.B.E. – Supplementary/  
Improvement) Examination, April 2025  
(2019 to 2023 Admissions)  
COMPLEMENTARY ELECTIVE COURSE IN ZOOLOGY  
2C02 ZLG : 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 various flight adaptations in birds.
  - 2) Describe the structure of mammalian egg and sperm.
  - 3) Write an essay on the digestive system of shark with suitable diagram.
  - 4) Describe the poison apparatus and venom of snakes.
- II. Short essay questions. Answer **any two**. (2×3=6)
- 5) Write a short note on the adaptations of Chamaeleon.
  - 6) Describe the classification of class Amphibia.
  - 7) Explain the morphological features of order Marsupialia.
- III. Short answer questions. Answer **any six**. (6×2=12)
- 8) Briefly describe the structure of pentadactyl limb.
  - 9) Describe the features of *Chelone*.
  - 10) Explain different types of eggs based on the quantity of yolk.
  - 11) Write notes on order Proboscidae.
  - 12) Differentiate between Chondrichthyes and Osteichthyes.

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- 13) Explain the importance of Archaeopteryx.
  - 14) Name the embryonic membranes and its functions.
  - 15) Write a note on Ascidia.
- IV. Multiple choice questions. Answer **all** questions. (4×0.5=2)
- 16) Neoteny is exhibited by  
a) Ambystoma      b) Shark      c) Parrot      d) Toad
  - 17) Example for a flightless bird  
a) Ostrich      b) Parrot      c) Crow      d) Pelican
  - 18) Platypus is an  
a) Arboreal mammal      b) Egg laying mammal  
c) Pouched mammal      d) Placental mammal
  - 19) Placoid scales are found in  
a) Paleontological fishes      b) Lung fishes  
c) Bony fishes      d) Cartilaginous fishes