



K22U 1313

Reg. No. : .....

Name : .....

**II Semester B.Sc. Degree (CBCSS-OBE – Regular/Supplementary/  
Improvement) Examination, April 2022  
(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

**Instruction** : Give illustrations and figures wherever necessary.

- I. Essay Questions (**Each** question carries 6 marks). Answer **any two**.
- 1) Describe the flight adaptations of bird.
  - 2) Describe the circulatory system of shark.
  - 3) Describe the Identification of poisonous snakes of Kerala.
  - 4) Write an essay on embryonic membranes and their functions. (2×6=12)
- II. Short Essay (**Each** question carries 3 marks). Answer **any two**.
- 5) Compare the characters of Cephalochordata and urochordata.
  - 6) Describe the adaptations of aquatic mammals.
  - 7) Describe different types of egg. (2×3=6)
- III. Short Answer Questions (**Each** question carries 2 marks). Answer **any six**.
- 8) What is retrogressive metamorphosis in Ascidia ?
  - 9) Comment on the ecological adaptations of Chamaeleon.
  - 10) Sketch and label human sperm.
  - 11) Write on respiratory modifications in birds.
  - 12) Write down the features of Ratite.
  - 13) Write on blastulation in Branchiostoma.
  - 14) What is Neoteny ?
  - 15) Comment on Pteropus. (6×2=12)

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IV. Multiple Choice Questions (**Each** question carries 0.5 mark). Answer **all**.

- 16) Elephas belongs to the order \_\_\_\_\_
- |                |                   |
|----------------|-------------------|
| a) Chiroptera  | b) Perissodactyla |
| c) Proboscidea | d) Cetacea        |
- 17) Blastula of Branchiostoma is \_\_\_\_\_
- |                  |                  |
|------------------|------------------|
| a) Coeloblastula | b) Discoblastula |
| c) Stomoblastula | d) Blastocyst    |
- 18) Venom of Cobra is
- |               |                  |
|---------------|------------------|
| a) Haemotoxic | b) Neurotoxic    |
| c) Cytotoxic  | d) None of these |
- 19) Which of the following is a limbless amphibian ?
- |              |                |
|--------------|----------------|
| a) Ambystoma | b) Ichthyophis |
| c) Channa    | d) Bufo        |
- (4×0.5=2)