



**K20U 0330**

Reg. No. : .....

Name : .....

**II Semester B.Sc. Degree (CBCSS – Supplementary/Improvement)  
Examination, April 2020  
(2014-2018 Admissions)  
COMPLEMENTARY COURSE IN ZOOLOGY  
2C02 ZLG : Diversity of Life – II**

Time : 3 Hours

Max. Marks : 32

I. Answer **any one**.

**(1×6=6)**

- 1) Explain the adaptations of aquatic mammals.
- 2) Compare and contrast Subphylum Urochordata and Cephalochordata, by giving examples.

II. Answer **any one**.

**(1×6=6)**

- 3) With the help of a neat and labeled sketch describe the structure of digestive system of Scoliodon.
- 4) Explain the adaptive features of birds which make them masters of air.

III. Answer **any four**.

**(4×3=12)**

- 5) Describe the characteristic features of any three food fishes of Kerala.
- 6) What are the peculiar features of Ornithorhynchus ?
- 7) Describe the different types of cleavage in chordate eggs with examples.
- 8) Describe the structure of poison apparatus of snakes.
- 9) Enumerate the salient features of Class Amphibia.
- 10) Describe the structure of mammalian sperm, with a neatly labeled diagram.

P.T.O.



## IV. Answer any six.

(6×1=6)

- 11) What is retrogressive metamorphosis ? Mention an example.
- 12) What is Pharyngeal gill slit ?
- 13) Name two flightless birds.
- 14) What are the arboreal adaptations of Chamaeleon ?
- 15) What is telolecithal egg ?
- 16) What is chorion ?
- 17) Enumerate any two flight adaptations of birds.
- 18) Give an example for limbless amphibian.
- 19) What is pleurodont dentition ?

## V. Answer the following.

(2×1=2)

## 20) Match the following.

- |                     |                 |
|---------------------|-----------------|
| a) Axolotl larva    | 1) Pteropus     |
| b) Marsupium        | 2) Panthera sp. |
| c) Carnassial teeth | 3) Ambystoma    |
| d) Patagium         | 4) Macropus     |

## 21. Fill in the blanks.

- a) The sound producing structure in birds is \_\_\_\_\_
- b) Elephant belongs to the Order \_\_\_\_\_
- c) The type of blastula formed in the development of Amphioxus is \_\_\_\_\_
- d) \_\_\_\_\_ type of caudal fin is seen in Scoliodon.