

M 8820

Reg. No. : .....

Name : .....



**II Semester B.Sc. Degree (CCSS – 2014 Admn. – Regular)**  
**Examination, May 2015**  
**COMPLEMENTARY COURSE IN ZOOLOGY**  
**2C02 ZLG : Diversity of Life – II**

Time : 3 Hours

Max. Marks : 32

I. Answer any one :

(1×6=6)

- 1) Write an essay on the digestive system of Scoliodon.
- 2) Describe the key to identify the poisonous snakes.

II. Answer any one :

(1×6=6)

- 3) Write an essay on the adaptations of aquatic mammals.
- 4) Give an account of the different types of chordate eggs.

III. Answer any four :

(4×3=12)

- 5) Briefly explain the embryonic membranes.
- 6) Enumerate the features of amphibia.
- 7) Give an account on snake venom.
- 8) Comment on the flight adaptations of birds.
- 9) Briefly explain the types of cleavage.
- 10) Explain the structure of human sperm with the help of sketch.

P.T.O.



## IV. Answer any six :

(6×1=6)

- 11) Name a legless amphibia.
- 12) What is scroll valve ?
- 13) What is marsupium ?
- 14) Give the scientific name of Indian elephant.
- 15) Name the orders of class amphibia.
- 16) What is retrogressive metamorphosis ?
- 17) What is neoteny ? Name an animal which shows it.
- 18) Give the dental formula of rabbit.
- 19) Define heterocercal caudal fin.

## V. Answer the following :

(2×1=2)

## 20) Match the following :

- |                 |             |
|-----------------|-------------|
| i) Apoda        | Elephant    |
| ii) Chiroptera  | Germ layer  |
| iii) Mesoderm   | Ichthyophis |
| iv) Proboscidea | Bat         |

## 21) Fill in the blanks :

- a) Ampulla of Lorenzini is seen in \_\_\_\_\_
- b) Equus belongs to the order \_\_\_\_\_
- c) \_\_\_\_\_ is a Monotreme.
- d) \_\_\_\_\_ is the gap between incisors and premolars.