



M 6592

Reg. No. : .....

Name : .....

**II Semester B.Sc. Degree (CCSS – Reg./Supple./Improv.)**  
**Examination, May 2014**  
**COMPLEMENTARY COURSE IN ZOOLOGY**  
**2C02 ZLG : Diversity of Life – II : Chordate Form and Function**

Time: 3 Hours

Max. Weightage : 25

I. Answer **any one** (Weight 4) :

- 1) Write an essay on different types of chordate eggs.
- 2) Explain the urinogenital system of shark with the help of neat sketches.

(1×4=4)

II. Answer **any one** (Weight 4) :

- 3) Give a comparative account of the heart of chordates.
- 4) Explain the flight adaptations in birds.

(1×4=4)

III. Answer **any four** (Weight 2 each) :

- 5) Write a note on the embryonic membranes in chordates and their functions.
- 6) Classify amphibian up to orders citing examples.
- 7) Differentiate chondrichthys and osteichthys. Give an example each.
- 8) Explain the salient features of order chiroptera.
- 9) Describe the structure of poison apparatus of snake.
- 10) Describe the structure of mammalian sperm with the help of a neat sketch.

(4×2=8)

IV. Answer **any seven** (Weight 1 each) :

- 11) Metamerism
- 12) Ovoviviparous
- 13) Placoid scale

P.T.O.



- 14) Sardinella
- 15) Limbless amphibian
- 16) Temporal fossa
- 17) Thecodont dentition
- 18) Blastulation
- 19) Clasper
- 20) Syrinx.

(7x1=7)

V. Answer the following (Weight 1 each) :

- 21) a) Brain of vertebrates is enclosed in a structure called \_\_\_\_\_
- b) Largest flight muscle of bird is called \_\_\_\_\_
- c) Even toed and hoofed mammals like cow belong to order \_\_\_\_\_
- d) Protective covering of ascidia is called \_\_\_\_\_

22) Match the following :

- |                  |             |
|------------------|-------------|
| a) Indian mullet | 1) Chelone  |
| b) Green turtle  | 2) Struthio |
| c) Blind snake   | 3) Mugil    |
| d) Ostrich       | 4) Typhlops |

(2x1=2)