



M 8752

Reg. No. : .....

Name : .....

**II Semester B.Sc. Degree (CCSS – Supple./Improv.)  
Examination, May 2015  
(2013 and Earlier Admn.)**

**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 the dentition of mammals.
- 2) Explain the flight adaptation in birds.

(1×4=4)

II. Answer **any one** :

(Weight 4)

- 3) Describe the digestive system of shark with the help of a diagram.
- 4) Give a comparative account of the heart of chordates.

(1×4=4)

III. Answer **any four** :

(Weight 2 each)

- 5) Describe the morphology of shark.
- 6) Explain the structure of a typical pentadactyl limb.
- 7) Classify amphibia up to orders giving examples.
- 8) Write down how to identify the poisonous snakes of Kerala.
- 9) What are important characters of monotremes ?
- 10) Describe the structure of a mammalian sperm with the help of a diagram. (4×2=8)

IV. Write notes on **any seven** :

(Weight 1 each)

- 11) Bilateral symmetry
- 12) Syrinx
- 13) Coelom
- 14) Clasper
- 15) Venous heart

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- 16) Axolotyl
- 17) Carapace
- 18) Function of air sacs in birds
- 19) Probosis
- 20) Diastema.

(7×1=7)

V. Answer the following : (Weight 1 each)

21) Match the following :

- |               |                  |
|---------------|------------------|
| a) Flying Fox | 1) Channa        |
| b) Pearl spot | 2) Branchiostoma |
| c) Snake head | 3) Etroplus      |
| d) Lancelet   | 4) Pteropus      |

22) Fill up the blanks :

- a) Study of reptiles is called \_\_\_\_\_
- b) Scientific name of pigeon is \_\_\_\_\_
- c) Foramen of Panizza is seen in \_\_\_\_\_
- d) Golden age of reptiles is \_\_\_\_\_

(2×1=2)