



M 6069

Reg. No. : .....

Name : .....

VI Semester B.Sc. Degree (CCSS – Reg./Supple./Improv.)

Examination, May 2014

CORE COURSE IN ZOOLOGY

6B09 ZLG : Diversity of Life-II – Chordata

Time : 3 Hours

Max. Weightage : 25

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

- 1) Write an essay on the accessory respiratory organs in fishes.
- 2) Describe the digestive system of shark with the help of a diagram. Add a note on feeding and digestion. (1×4=4)

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

- 3) Explain the flight adaptations in birds.
- 4) Write an essay on the dentition of mammals. (1×4=4)

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

- 5) Explain any four major characters common to chordates and higher non-chordates.
- 6) Compare and contrast Urochordates and Cephalochordates.
- 7) Mention the affinities of archaeopteryx.
- 8) Give an account of Cetacea.
- 9) Substantiate, 'Birds are glorified reptiles'.
- 10) Describe the heart of shark.
- 11) Distinguish between chondrichthyes and osteichthyes. (4×2=8)

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

- 12) Heterocercal caudal fin
- 13) Ampullae of Lorenzini
- 14) Rhacophorus

P.T.O.



- 15) Dodo
- 16) Thecodont dentition
- 17) Platypus
- 18) Jerdon's courser
- 19) Harderian gland
- 20) Diastema
- 21) Filoplumes.

(7×1=7)

V. Answer the following :

(Weight 1 each)

- 22) a) Lateral line sense organs are found in \_\_\_\_\_
- b) Number of chambers in the heart of bird is \_\_\_\_\_
- c) Hydrostatic organs found in fishes are called \_\_\_\_\_
- d) Brown funnels are found in \_\_\_\_\_

23) Match the following :

- |                 |          |
|-----------------|----------|
| a) Artiodactyla | 1) Bat   |
| b) Carnivora    | 2) Seal  |
| c) Primates     | 3) Camel |
| d) Chiroptera   | 4) Loris |

(2×1=2)