



K16U 0234

Reg. No.:

Name:

VI Semester B.Sc. Degree (CCSS – Reg./Supple./Improv.)
Examination, May 2016
CORE COURSE IN ZOOLOGY
6B09 ZLG – Diversity of Life – II – Chordata

Time : 3 Hours

Total Weightage : 25

Instruction : Illustrate wherever necessary.

I. - Answer **any one** of the following (4 weightage **each**).

1) Describe the salient features of class reptilia. Also give a brief description of the classification of reptilia citing examples.

2) Describe dentition in mammals.

(1×4=4)

II. Answer **any one** (4 weightage **each**).

3) Give an account on the flight adaptation of birds.

4) Describe the keys for identifying poisonous and non-poisonous snakes.

(1×4=4)

III. Answer **any four** of the following (2 weightage **each**).

5) Comment on lung fishes.

6) What is retrogressive metamorphosis ? Explain it in the case of ascidia.

7) Give a brief account on the digestive system of shark.

8) Comment on different types of feathers in birds.

9) Explain the adaptations of pteropus.

10) Describe the structure of placoid scale in shark.

11) Comment on the excretory system of rabbit.

(4×2=8)

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IV. Answer **any seven** of the following.

- 12) What is diastema ?
- 13) Mention the characters of ammocoete larva.
- 14) Explain neoteny citing one example.
- 15) Write any 4 adaptations of chameleon.
- 16) Mention the importance of archaeopteryx.
- 17) What is a living fossil ? Write one example.
- 18) What are labyrinthine organs ?
- 19) Mention any two flightless birds.
- 20) What is marsupium ?
- 21) Mention the scientific name of our national animal. **(7×1=7)**

V. Answer the following (**1** weightage **each**).

- 22) a) Give the name of a lung fish.
- b) Name a limbless amphibian.
- c) Name a snake that shows viviparity.
- d) The scientific name of peacock.

23) Match the following :

- | | |
|---------------------|-----------|
| a) Blind snake | Pteropus |
| b) King of herrings | Sphenedon |
| c) Living fossil | Trygon |
| d) Flying fox | Chimaera |
| | Typhlops |

(2×1=2)