



K17U 1126

Reg. No. :

Name :

II Semester B.Sc. Degree (CCSS – Supple.) Examination, May 2017
COMPLEMENTARY COURSE IN ZOOLOGY
2C02 ZLG : Diversity of Life – II : Chordata Form and Function
(2009-13 Admns.)

Time : 3 Hours

Max. Weightage : 25

Instruction : Give illustrations wherever necessary.

I. Answer **any one** of the following (4 Weightage) :

- 1) Give an account on the adaptations of aquatic mammals.
- 2) Describe the urino genital system of scoliodon. (Wt. : 1×4=4)

II. Answer **any one** of the following (4 weightage) :

- 3) Give an account on flight adaptations in birds.
- 4) Give an account on the fundamental chordate characters. Also give a summary of the classification of phylum chordate giving suitable examples. (Wt. : 1×4=4)

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

- 5) Write a brief account on snake venom.
- 6) Describe the structure of mammalian sperm.
- 7) Describe the adaptations of chameleon.
- 8) Describe the different keys for the identification of poisonous snakes.
- 9) Write notes on Monotremata.
- 10) Describe the different types of cleavage in animals.
- 11) Write notes on ambystoma. (Wt. : 2×4=8)

IV. Answer **any four** of the following (1 weightage each) :

- 12) What is meant by diphyodont dentition ?
- 13) What is syrinx ?
- 14) Draw the structure of blastula.

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- 15) Mention the characters of ascidia.
- 16) Write any two adaptations of pteropus.
- 17) What is marsupium ?
- 18) Mention the different embryonic membranes and their function.
- 19) What is a centrolecithal egg ? Give one example.
- 20) Mention any two flightless birds. (Wt. : 1×4=4)

V. Answer the following (1 weightage each) :

21) Name the following :

- a) Name a limbless amphibian.
- b) Name the state fish of Kerala.
- c) Mention any one aquatic mammal.
- d) Write the name of a flying mammal. (Wt. : 1×4=4)

22) Match the following :

- | | |
|-------------|--------------|
| a) Typhlops | Kangaroo |
| b) Chelone | Telolecithal |
| c) Birds | Tunicin |
| d) Macropus | Carapace |
| | Non-venomous |

(Wt. : 1)