



K16U 1122

Reg. No. :

Name :

II Semester B.Sc. Degree (CCSS – Supple./Improv.)
Examination, May 2016
COMPLEMENTARY COURSE IN ZOOLOGY
2C02 ZLG : Diversity of Life – II (Chordate Form and Function)
(2013 & Earlier Adm.)

Time : 3 Hours

Total Weightage : 25

Instruction : Give illustrations *wherever* necessary.

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

- 1) Give an account on flight adaptations in birds.
- 2) Give an account of the structure of digestive system of shark. **(1×4=4)**

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

- 3) Give a comparative account of the heart and aortic arches of amphibian and mammals.
- 4) Describe the salient features of class reptilia. Also give a brief description of the classification of reptilia citing examples. **(1×4=4)**

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

- 5) Describe the structure of the sperm.
- 6) Give an account of different types of eggs based on the quantity and distribution of yolk.
- 7) Describe the different diagnostic features of chordates.
- 8) How will you identify poisonous and non-poisonous snakes ?
- 9) Comment on marsupials.
- 10) Briefly explain the respiratory organs of birds. **(4×2=8)**

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IV. Answer **any seven** of the following**(1 Weightage each)**

- 11) Mention any 4 adaptations of chameleon.
- 12) Define cleavage.
- 13) What is the codont dentition ?
- 14) Mention any two edible fishes.
- 15) What are urochordates ?
- 16) What is gastrulation ?
- 17) Write any two adaptations of pteropus.
- 18) Draw a neat labelled diagram of placoid scale of shark.
- 19) Name an animal that shows Neoteny.
- 20) Write any two flightless birds.

(7×1=7)

V. Answer the following

(1 Weightage each)

21) Match the following :

- | | |
|----------------|-------------|
| a) Typhlops | Ant eater |
| b) Ichthyophis | Lancelet |
| c) Amphioxus | Flying frog |
| d) Echidna | Blind worm |
| | Blind snake |

22) Name the following :

- a) The scientific name of our national animal.
- b) Name a snake that possesses neurotoxic venom.
- c) Name an aquatic mammal.
- d) Name an animal that possess telolecithal egg.

(2×1=2)
