



K18U 0620

Reg. No. :

Name :

II Semester B.Sc. Degree (CCSS – Supple.) Examination, May 2018
COMPLEMENTARY COURSE IN ZOOLOGY
2C02 ZLG : Diversity of Life – II : Chordate Form and Function
(2012-13 Admns.)

Time : 3 Hours

Weightage : 25

Instruction : Give illustrations wherever necessary.

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

1) Mention the diagnostic characters of superclass Pisces. Also give a brief description of chondrichthyes and osteichthyes giving suitable examples.

2) Write an essay on the dentition of mammals. (4×1=4)

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

3) Write an essay on flight adaptation seen in birds.

4) Give an account of the structure and working of circulatory system of shark. (4×1=4)

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

5) Classify eggs based on the distribution of yolk giving suitable examples.

6) Give a comparative account of the hearts of amphibians and mammalia.

7) Comment on the adaptations of chameleon.

8) Describe the structure of blastula.

9) Draw a neat and labelled diagram of mammalian sperm.

10) Write a brief account on snake venom. (2×4=8)

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

11) What is a marsupium ?

12) Comment on order ratitae.

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- 13) Mention any two adaptations of aquatic mammals.
14) What is neoteny ?
15) What is discoidal cleavage ?
16) What is gastrulation ?
17) Write notes on the economic importance of *etroplus*.
18) Mention the diagnostic features of chordate.
19) What is syrinx ?
20) Mention the embryonic membranes. (1×7=7)

V. Answer **all** questions : (1 weightage each)

- 21) a) Name an aquatic mammal.
b) Name a limbless amphibian.
c) Name an edible fish.
d) Name a poisonous snake. (Wt.=1)
- 22) Match the following :
- | | |
|--------------------|-------------|
| a) Ascidia | Amphibia |
| b) Ornithorhynchus | Reptilia |
| c) Elephant | Monotremata |
| d) Chelone | Urochordata |
| | Proboscidae |
- (Wt.=1)