



K17U 1056

Reg. No. :

Name :

II Semester B.Sc. Degree (CBCSS – Reg./Supple./Imp.)
Examination, May 2017
COMPLEMENTARY COURSE IN ZOOLOGY
2C02 ZLG : Diversity of Life – II
(2014 Admn. Onwards)

Time : 3 Hours

Max. Marks : 32

I. Answer **any one** :

(1×6=6)

- 1) Write an essay on the circulatory system of Scoliodon.
- 2) Give an account of gastrulation and germ layer formation in Branchiostoma.

II. Answer **any one** :

(1×6=6)

- 3) List the features of mammals. Mention the orders with examples.
- 4) Compare the heart of frog and man.

III. Answer **any four** :

(4×3=12)

- 5) With the help of a sketch explain the structure of human egg.
- 6) What are the salient features of osteichthyes ?
- 7) Give an account of the importance of air sacs in birds.
- 8) Write a note on chiroptera.
- 9) Give the features of urochordata. Give example.
- 10) Describe the different types of poison fangs.

IV. Answer **any six** :

(6×1=6)

- 11) What is blastulation ?
- 12) What is plastron ?

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- 13) Define meroblastic cleavage.
- 14) Name the extraembryonic membranes.
- 15) What are pneumatic bones ?
- 16) What is homodont dentition ?
- 17) Which teeth are modified into tusks in elephants ?
- 18) What is syrinx ?
- 19) Name a flying mammal.

V. Answer the following :

(2x1=2)

20) Match the following :

- | | |
|-----------------|-----------------------------|
| i) Hemichordata | Narcine |
| ii) Primate | Retrogressive metamorphosis |
| iii) Trygon | Macaca |
| iv) Ascidia | Balanoglossus |

21) Fill in the blanks :

- a) Equus belongs to _____
- b) Axolotle is the larva of _____
- c) _____ is a limbless amphibian.
- d) Venom of Cobra is _____

(3x1=3)

P.T.O.