



K16U 1241

Reg. No. : .....

Name : .....

**II Semester B.Sc. Degree (CCSS-Reg./Supple./Improv.)**

**Examination, May 2016**

**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 dentition in mammals.
- 2) Write an essay on the comparative anatomy of aortic arches of Pisces, Amphibia, Reptilian, Aves and Mammalia.

II. Answer **any one** :

(1×6=6)

- 3) Write an essay on male urinogenital system of Shark.
- 4) Give an account of the respiratory system of birds.

III. Answer **any four** :

(4×3=12)

- 5) List the salient features of chondrichthyes.
- 6) Write a short note on poisonous apparatus of snake.
- 7) Give an account of flightless birds.
- 8) Explain the features of marsupalia. Give example.
- 9) Define (i) Coeloblastula (ii) Stereoblastula and (iii) Discoblastula.
- 10) Enlist the fundamental characters of chordate.

IV. Answer **any six** :

(6×1=6)

- 11) What is heterodont dentition ?
- 12) Name an example from osteichthyes.
- 13) What is gastrulation ?
- 14) Name the different types of scales in fishes.

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- 15) Define homocercal caudal fin.  
16) In which order whale belongs ?  
17) What is lateral line sense organ ?  
18) What are ungulates ? Give example.  
19) What is diastema ?

V. Answer the following :

(2x1=2)

20) Match the following :

- |              |                   |
|--------------|-------------------|
| i) Platypus  | Peacock           |
| ii) Pavo     | Egg laying mammal |
| iii) Syrinx  | Pearlspot         |
| iv) Etroplus | Birds             |

21) Fill in the blanks :

- a) Double respiration is the feature of \_\_\_\_\_  
b) Trygon is a \_\_\_\_\_  
c) \_\_\_\_\_ is the dental formula of rabbit.  
d) Rastrelliger is the scientific name of \_\_\_\_\_