



K18U 0949

Reg. No. : .....

Name : .....

**IV Semester B.Sc. Degree (CBCSS – Reg./Sup./Imp.)**  
**Examination, May 2018**  
**(2014 Admn. Onwards)**  
**CORE COURSE IN ZOOLOGY**  
**4B 04 ZLG : Chordata – II and Comparative Anatomy**

Time : 3 Hours

Max. Marks : 40

**Instruction :** Draw diagrams *wherever necessary*.

- I. Essay (Answer **any one**) : (1×8=8)
- 1) Write an essay on aquatic mammals.
  - 2) Comment on the flight adaptation in birds.
- II. Essay (Answer **any one**) : (1×8=8)
- 3) Give an account of digestive system of *Oryctolagus*.
  - 4) Write an essay on bird migration.
- III. Short Essay (Answer **any two**) : (2×4=8)
- 5) Differentiate between Artiodactyl and Perissodactyla with examples.
  - 6) Write a note on the evolution of kidney in vertebrate.
  - 7) Write a note on Archeopteryx as a connecting link of reptiles and birds.
  - 8) Give an account on the different types of vertebrae in animals.
- IV. Paragraph (Answer **any four**) : (4×2=8)
- 9) Comment on Rodentia.
  - 10) Compare the aortic arches in birds and reptiles.
  - 11) Comment on jaws suspensoria.

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- 12) Write a note on the scales in vertebrate.
- 13) Write the characteristic features of Monotremata.
- 14) Write a note on Lagomorpha.

V. Answer **any six** (in **one** or **two** sentences) :

(6×1=6)

- 15) Name two species of elephants live in animal kingdom.
- 16) Classify the following into the respective order :
  - a) Dolphin
  - b) Lemur
- 17) Write a note on Balaenoptera.
- 18) What is pericardium ?
- 19) Write a note on Metatheria.
- 20) What are the different types of feathers of birds ?
- 21) Write any two adaptation of Chiroptera.
- 22) Write a note on antlers.
- 23) What is carnissial teeth ?

VI. Match the following :

- |                 |                    |
|-----------------|--------------------|
| 24) Dodo        | 1) Flightless bird |
| 25) Edentata    | 2) Penguin         |
| 26) Ratitae     | 3) Mauritius       |
| 27) Aptenodytes | 4) Ant Eater       |