



K16U 0687

Reg. No. :

Name :

IV Semester B.Sc. Degree (CBCSS-2014 Admn. – Regular)
Examination, May 2016
CORE COURSE IN ZOOLOGY
4B04ZLG : 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) Explain dentition in mammals.
- 2) Give an account on flight adaptations in birds.

II. Essay : Answer any one.

(1×8=8)

- 3) Give an account on bird migration.
- 4) Give a detailed account on the digestive system and associated glands in *Oryctolagus*.

III. Short essay : Answer any two.

(2×4=8)

- 5) Give an account on the characters of order Chiroptera.
- 6) Explain different types of vertebrae seen in vertebrates.
- 7) Comment on the adaptations of aquatic mammals.
- 8) *Archeopteryx* is considered as the connecting link between reptiles and birds. Explain.

IV. Paragraph : Answer any four.

(4×2=8)

- 9) Describe the structure of quill feather with a diagram.
- 10) Mention the salient features of metatherians.
- 11) What are antlers ? Explain.

P.T.O.



- 12) Comment on egg laying mammals.
- 13) Write short notes on jaw suspensoria.
- 14) Differentiate between Ratitae and Carinatae.

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

(6×1=6)

- 15) Give an account on Kangaroos.
- 16) Mention the names of two extinct birds.
- 17) What are airsacs ?
- 18) Describe carnassial teeth.
- 19) Write the name of fresh water dolphin in India.
- 20) Mention the peculiarities of penguin.
- 21) Name the order to which elephant belongs.
- 22) What are prosonephric kidneys ?
- 23) Draw the structure of brain of pigeon.

VI. Match the following :

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| 24) Giraffe | Birds |
| 25) Ant eater | Cetacea |
| 26) Ornithology | Manis |
| 27) Baleen whale | Artiodactyla |

(8=8)