

Reg. No. :

Name :

IV Semester B.Sc. Degree (C.B.C.S.S. – O.B.E. – Regular/Supplementary/
Improvement) Examination, April 2025
(2019 to 2023 Admissions)
CORE COURSE IN ZOOLOGY
4B04ZLG : Chordata – II and Comparative Anatomy

Time : 3 Hours

Max. Marks : 40

Instruction : Draw diagrams wherever necessary.

(2×8=16)

I. Essay questions. Answer **any two**.

- 1) Write an essay on migration in Birds.
- 2) Describe different types of dentition in Mammals.
- 3) Give comparative account on Heart and Aortic arches in vertebrate.
- 4) Write an essay on the digestive system of Pigeon.

(2×4=8)

II. Short essay : Answer **any two**.

- 5) Write notes on Struthioniformes with reference to Struthio.
- 6) Comment on different types of feathers in birds.
- 7) Enlist the diagnostic features of class aves.

(6×2=12)

III. Short answer question paragraph : Answer **any six**.

- 8) Write down the vertebral formula of Pigeon.
- 9) Comment on flightless birds in India.
- 10) Comment on any two reptilian and avian characters of Archaeopteryx.
- 11) Sketch and label typical vertebra of Rabbit.
- 12) Comment on rediscovery of Jerdon's courser.
- 13) Write notes on Didelphis.
- 14) Enlist any 4 characteristics of Cetacea.
- 15) Give a brief account of Syrix.

P.T.O.

IV. Multiple choice questions : Answer **all**.

(0.5×8=4)

- 16) Which organisms is an aquatic mammal ?
a) Lion b) Elephant c) Dolphin d) Kangaroo
- 17) Which animal is an example of the order Artiodactyla ?
a) Horse b) Antelope Cervicapra
c) Elephant d) Dolphin
- 18) Pavocristatus belongs to the order
a) Falconiformes b) Cuculiformes
c) Galliformes d) Columbiformes
- 19) Which one is an extinct bird ?
a) Eudynamus b) Dodo
c) Bubo d) Mylvus
- 20) Scientific name of spiny ant eater is
a) *Manis crassicaudata* b) Bradypus
c) *Myrmecophaga tridactyla* d) Equus
- 21) Elephant belongs to the order
a) Carnivora b) Sirenia
c) Proboscidea d) Artiodactyla
- 22) Bird migration is primarily triggered by which of the following ?
a) Seasonal changes in weather and food availability
b) Predators
c) Noise pollution
d) Urbanization
- 23) Which of the following is an example of an egg-laying mammal ?
a) Kangaroo b) Platypus c) Sloth d) Elephant