



K25U 2954

Reg. No. :

Name :

III Semester B.Sc. Degree (CBCSS-OBE-Supplementary/Improvement)
Examination, November 2025
(2019 to 2023 Admissions)
CORE COURSE IN ZOOLOGY
3B03 ZLG : CHORDATA – 1

Time : 3 Hours

Max. Marks : 40

Instruction : Give illustrations and figures *wherever* necessary.

I. Essay questions (**Each** question carries **8** marks). Answer **any two**.

- 1) Describe the urino-genital system of male and female shark.
- 2) Outline the key for identification of poisonous snakes.
- 3) Write an essay on the classification of class amphibian upto orders with examples.
- 4) Describe the structure and metamorphosis of Ascidia larva. **(2×8=16)**

II. Short essay (**Each** question carries **4** marks). Answer **any two**.

- 5) Write notes on primitive, degenerate and specialised features of amphioxus.
- 6) Sketch and label the integumentary system of *Euphlyctis hexadactylus* and write brief note on the functions of skin.
- 7) Describe the structure of poisonous apparatus of snakes and write notes on snake venom. **(2×4=8)**

III. Short answer questions (**Each** question carries **2** marks). Answer **any six**.

- 8) Mention the salient features of Chordrichthyes.
- 9) Comment on Sphenodon.
- 10) Mention diagnostic features of Chordates.
- 11) Distinguish between anadromous migration and catadromous migration in fishes.

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- 12) Comment on neoteny.
- 13) Briefly explain the characteristics of order Crocodilia.
- 14) Mention the features of Bungarus.
- 15) Comment on the features of Echeneis.

(6×2=12)

IV. Multiple choice questions (**Each** question carries **0.5** marks). Answer **all**.

- 16) Amphioxus belong to
 - a) Urochordata
 - b) Vertebrata
 - c) Cephalochordata
 - d) Hemichordata
- 17) Common trait amongst fishes, amphibians and reptiles is
 - a) Gills
 - b) Scales
 - c) Laying of eggs
 - d) Both a) and b)
- 18) How many pairs of cranial nerves are found in frog ?
 - a) 10
 - b) 08
 - c) 12
 - d) 16
- 19) Torpedo is commonly known as
 - a) Sea horse
 - b) Electric ray
 - c) Sucker fish
 - d) Globe fish
- 20) Which of the following is a truly land animal ?
 - a) Newt
 - b) Lung fish
 - c) Salamander
 - d) Calotes
- 21) Venom of _____ is neurotoxic.
 - a) Ptyas
 - b) Bungarus
 - c) Viper
 - d) Typhlops
- 22) Tetralocular heart is present in _____.
 - a) Sphenodon
 - b) Echis
 - c) Chelone
 - d) Gravidalis
- 23) In sharks, one of the following is absent
 - a) Claspers
 - b) Placoid scales
 - c) Air bladder
 - d) Cartilaginous endoskeleton

(8×0.5=4)
