

BACHELOR OF SCIENCE (CBCS-2018 COURSE)
S. Y. B. Sc. Sem-IV : WINTER- 2022
SUBJECT : ZOOLOGY : FUNCTIONAL ANATOMY OF CHORDATES-II

Day : Tuesday

Time : 02:00 PM-05:00 PM

Date : 20-12-2022

W-18386-2022

Max. Marks : 60

N.B.:

- 1) All questions are **COMPUSLORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat and labeled diagram **WHEREVER** necessary.
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Q.1 Attempt **ANY TWO** of the following: [12]

- a) Give the salient features of class reptilia and describe the order squamata.
- b) Describe structure of heart of *Scoliodon* and add a note on working of heart.
- c) With suitable diagram describe external characters of *Scoliodon*.

Q.2 Attempt **ANY TWO** of the following: [12]

- a) Describe identification characters of nonpoisonous snakes.
- b) Give an account of morphological adaptations in birds.
- c) Describe homodont and heterodont dentition in mammals.

Q.3 Attempt **ANY TWO** of the following: [12]

- a) Describe eye of *Scoliodon*.
- b) Give an account of beak modification in birds.
- c) Describe digestive system of *Scoliodon*.

Q.4 Attempt **ANY THREE** of the following: [12]

- a) Describe male urinogenital system of *Scoliodon*.
- b) Sketch and label dorsal view of brain of *Scoliodon*.
- c) Discuss order passeriformes.
- d) Write note on eutheria.

Q.5 Attempt **ANY FOUR** of the following: [12]

- a) Describe holobranch in *Scoliodon*.
- b) Write about animal ethics in brief.
- c) Write a note on swimming type of feet.
- d) Write short note on Ampulla of Lorenzini.
- e) Explain raptorial type of feet.
- f) Describe climbing feet.

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