

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

Day : Friday
Date : 15-07-2022

S-18386-2022

Time : 03:00 PM-06:00 PM
Max. Marks : 60

N.B. :

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat labelled diagrams **WHEREVER** necessary.
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Q.1 Attempt **ANY TWO** of the following : **(12)**

- a) Describe external features of dogfish.
- b) With suitable diagram describe dorsal view of brain of *Scoliodon*.
- c) Give the salient features of class reptilia and give its classification upto order with example.

Q.2 Attempt **ANY TWO** of the following : **(12)**

- a) Write identification characters of poisonous 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) Give an account of various types of beak modification in birds.
- b) With suitable diagram describe holobranch in *Scoliodon*.
- c) Write detail structure of heart of *Scoliodon*.

Q.4 Attempt **ANY THREE** of the following : **(12)**

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

Q.5 Attempt **ANY FOUR** of the following : **(12)**

- a) Write about animal ethics in brief.
- b) Explain raptorial foot modification.
- c) Write short note on Ampulla of Lorenzini.
- d) Describe perching feet.
- e) Write note on food and feeding in *Scoliodon*.
- f) Write note on swimming type of feet.

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