

S.Y.B.SC. SEM – IV (CBCS - 2016 COURSE) : SUMMER - 2018

SUBJECT: ZOOLOGY : FUNCTIONAL ANATOMY CHORDATES-II

Day: **Monday**
Date: **30/04/2018**

S-2018-0673

Time: **11.00 A.M. TO 02.00 PM**
Max. Marks: 60

N.B:

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

- a) Give the salient features of class mammalia and state its different orders with example.
- b) Describe digestive system of *Scoliodon*.
- c) Describe respiratory system of *Scoliodon*.

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

- a) Give an account on physiological adaptations in birds.
- b) How would you distinguish between poisonous and non poisonous snakes?
- c) Give an account on dentition mammals.

Q.3 Attempt **ANY TWO** of the following: **(12)**

- a) Give an account of beak modification in birds.
- b) Describe structure of heart of *Scoliodon*.
- c) Describe dorsal view of brain of *Scoliodon*.

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

- a) Sketch and label membranous labyrinth in *Scoliodon*.
- b) Describe Ampulla of Lorenzini in *Scoliodon*.
- c) Describe subclass diapsida.
- d) Write short note on order columbiformers.

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

- a) Describe running feet.
- b) Write note on animal ethics
- c) Write note on swimming feet.
- d) Write important characters of *Scoliodon*.
- e) Write note on raptorial feet.
- f) Write economic importance of *Scoliodon*.