

S.Y.B.SC. SEM – IV (2014 COURSE) : SUMMER - 2018
SUBJECT: ZOOLOGY: FUNCTIONAL ANATOMY OF CHORDATES-II (Z-41)

Day: Monday
Date: 30/04/2018

S-2018-0730

Time: 03.00 PM TO 05.00 PM
Max. Marks: 40

N.B:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat and labeled diagrams **WHEREVER** necessary.
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Q.1 Answer **ANY TWO** of the following: **(10)**

- a) Give the salient features of class Mammalia and state its different orders with example of each order.
- b) Describe alimentary canal of *Scoliodon*.
- c) Describe female urinogenital system of *Scoliodon*.

Q.2 Answer **ANY TWO** of the following: **(10)**

- a) Sketch and label dorsal view of brain of *Scoliodon*.
- b) Describe beak modification in birds.
- c) Describe anatomical adaptations in birds.

Q.3 Answer **ANY TWO** of the following: **(10)**

- a) Describe ctenoid and cycloid scales in fishes.
- b) Describe Ampulla of Lorenzini in *Scoliodon*.
- c) Describe identification characters of Non-poisonous snakes.

Q.4 Answer **ANY FIVE** of the following: **(10)**

- a) Write systematic position of *Scoliodon*.
- b) Write names of laboratory animal models.
- c) Sketch and label placoid scale.
- d) Describe perching type of feet.
- e) Write the classes of phylum Reptilia.
- f) Write about homocercal tailfin.
- g) Write any four characters of Whale.

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