

S.Y.B.SC. SEM – IV (2014 COURSE) : WINTER - 2017
SUBJECT: ZOOLOGY: FUNCTIONAL ANATOMY OF CHORDATES-II (Z-41)

Day: Friday
Date: 10/11/2017

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

W-2017-0638

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 general characters of class Aves and describe characters of subclass neornithes.
- b) Describe external characters of *Scoliodon*.
- c) Describe male urinogenital system of *Scoliodon*.

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

- a) Give an account of beak modification in birds.
- b) Describe anatomical adaptations in birds.
- c) Sketch and label membranous labyrinth in *Scoliodon*.

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

- a) Describe homocercal tailfin in fishes.
- b) Describe dorsal view of brain of *Scoliodon*.
- c) How would you distinguish between poisonous and non-poisonous snake.

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

- a) Sketch and label cycloid scale.
- b) Explain in brief animal ethics.
- c) Enlist eye muscles in *Scoliodon*.
- d) Describe swimming and paddling type of feet.
- e) Write any four characters of metatheria.
- f) Write any four characters of class Reptilia.
- g) Write economic importance of *Scoliodon*.

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