

F.Y.B.SC. SEM – II (2014 Course) : WINTER - 2018
SUBJECT: ZOOLOGY: FUNCTIONAL ANATOMY OF CHORDATES-I (Z-21)

Day : Tuesday
Date : 23/10/2018

W-2018-0793

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 diagrams **WHEREVER** necessary.
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Q.1 Attempt any **TWO** of the following: **(10)**

- a) Describe alimentary canal of Amphioxus.
- b) Describe arterial system of Amphioxus.
- c) Give functions of skin of frog.

Q.2 Attempt any **TWO** of the following: **(10)**

- a) With suitable diagram describe male reproductive system of frog.
- b) Describe dorsal view of brain of frog.
- c) Describe the pulmonary respiration in frog.

Q.3 Attempt any **TWO** of the following: **(10)**

- a) Give functions of blood of frog.
- b) Describe parental care in *Ichthyophis* and *Hyla*.
- c) Sketch and label buccopharyngeal cavity of frog.

Q.4 Attempt any **FIVE** of the following: **(10)**

- a) Write any four functions of liver of frog.
- b) Mention food and feeding mechanism in frog.
- c) Write sexual dimorphism in frog.
- d) Give systematic position of frog.
- e) Write habits and habitat of Amphioxus.
- f) Write the significance of metamorphosis in frog.
- g) Describe hibernation in frog.

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