

Day : Tuesday
Date : 07/11/2017

W-2017-0608

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 external characters of Amphioxus.
- b) Describe arterial system of Amphioxus.
- c) Describe the hepatic portal system of frog.

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

- a) With suitable diagram describe digestive system of frog.
- b) Describe male reproductive system of frog.
- c) Describe in brief affinities of Amphioxus.

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

- a) Sketch and label V. S. of eye of frog.
- b) Define metamorphosis. Describe fore limb and hind limb tadpole stages in frog.
- c) Describe functions of blood of frog.

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

- a) Describe sexual dimorphism in frog.
- b) Write the functions of pancreas in frog.
- c) Enlist sense organs of Amphioxus.
- d) Describe aestivation in frog.
- e) Sketch and label dorsal view of heart of frog.
- f) Give significance of metamorphosis in frog.
- g) Define respiration and enlist the types of respiration in frog.

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