

BACHELOR OF SCIENCE (CBCS-2018 COURSE)
F. Y. B. Sc. Sem-II :SUMMER- 2022
SUBJECT : ZOOLOGY : FUNCTIONAL ANATOMY OF CHORDATES-I

Day : Monday
Date : 18-07-2022

S-18328-2022

Time : 11:00 AM-02:00 PM
Max. Marks : 60

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat diagrams **WHEREVER** necessary.

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- Q.1** Attempt **ANY TWO** of the following. **(12)**
- a) Give an account of external characters of Amphioxus.
 - b) With suitable diagram describe digestive system of frog.
 - c) Describe dorsal view of heart of frog.
- Q.2** Attempt **ANY TWO** of the following. **(12)**
- a) Write functions of skin of frog.
 - b) Describe alimentary canal of Amphioxus and mention its mechanism of feeding and digestion.
 - c) Describe dorsal view of brain of frog.
- Q.3** Attempt **ANY TWO** of the following. **(12)**
- a) Describe V. S. of eye of frog.
 - b) Describe affinities of Amphioxus.
 - c) Describe metamorphosis in frog.
- Q.4** Attempt **ANY THREE** of the following. **(12)**
- a) Write sexual dimorphism in frog.
 - b) Sketch and label male reproductive system of frog.
 - c) What is portal system? Describe hepatic portal system of frog.
 - d) Describe arterial system of Amphioxus.
- Q.5** Attempt **ANY FOUR** of the following. **(12)**
- a) Write a note on habit and habitat of Amphioxus.
 - b) Describe aestivation in frog.
 - c) Write the functions of liver in frog.
 - d) Write a note on oral hood of Amphioxus.
 - e) Describe caumoflagae in frog.
 - f) Write systematic position of Amphioxus.

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