

Exam. Code : 103203

Subject Code : 1308

B.A./B.Sc. 3rd Semester (Batch 2020-23)

ZOOLOGY ZOO-III B (Biodiversity-III)

(Chordates)

Time Allowed—3 Hours] [Maximum Marks—35

Note :— The Candidates are required to attempt **FIVE** questions in all, selecting at least **ONE** question from each section. The **FIFTH** question may be attempted from any section. All questions carry equal marks.

SECTION-A

1. Explain the following drawing relevant diagrams :
(A) Structure of Pharynx in *Herdmania*
(B) External morphology of *Herdmania* (after removal of text). $3.5+3.5=7$
2. Give an account of the circulatory system of *Branchiostoma*. 7

SECTION-B

3. Describe respiration in *Labeo rohita*. 7
4. Explain the following drawing relevant diagrams :
(A) External characters of *Petromyzon*
(B) Female urinogenital system in *Labeo rohita*. $3.5+3.5=7$

SECTION-C

5. Explain the structure of heart in *Uromastix*. 7
6. Describe the following drawing relevant diagrams :
(A) Male urinogenital system in *Rana tigrina*.
(B) Structure of inner ear in *Uromastix*. $3.5+3.5=7$

SECTION-D

7. Describe different kinds of feathers in *Columba livia*. 7
8. Explain the following drawing relevant diagrams :
(A) Structure of mammalian lung.
(B) Structure of kidney in rat. $3.5+3.5=7$