

Exam. Code : 103203

Subject Code : 1307

B.A./B.Sc. 3rd Semester

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 **ONE** question from each section. The **FIFTH** question may be attempted from any section.

SECTION—A

1. Explain the following :
(A) Affinities of *Herdmania*
(B) Structure of a primary gill bar in *Amphioxus*.
3.5+3.5=7
2. Give an account of the circulatory system of *Amphioxus*.
7

SECTION—B

3. Explain the following :
(A) External characters of *Petromyzon*
(B) Heart in *Labeo*.
3.5+3.5=7
4. Give an account of the respiratory system of *Labeo*.
7

SECTION—C

5. Write detailed structure of heart of frog. 7
6. Explain the following :
- (A) Bucco-pharyngeal respiration in frog
 - (B) Structure of bucco-pharyngeal cavity in *Uromastix*.
3.5+3.5=7

SECTION—D

7. Explain the following :
- (A) Types of features in Pigeon
 - (B) V.S. skin of Pigeon. 5+2=7
8. Explain the urino-genital system of rat. 7