

Exam. Code : 103203

Subject Code : 1325

B.A./B.Sc. 3<sup>rd</sup> 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. All questions carry equal marks.

## SECTION—A

1. Explain the following :
  - (A) External features of *Herdmania*
  - (B) Excretion in *Amphioxus*                      3.5+3.5=7
2. Give an account of the structure and function of pharynx in *Amphioxus*.    7

## SECTION—B

3. Explain the following :
  - (A) Affinities of Cyclostomata
  - (B) Male reproductive system of *Labeo*              3.5+3.5=7
4. Describe the digestive system of *Labeo*.    7

**SECTION—C**

5. Discuss in detail the different modes of respiration in frog. 7
6. Explain the following :
  - (A) Structure of heart of *Uromastix*
  - (B) Skin of frog 5+2=7

**SECTION—D**

7. Explain the following :
  - (A) Air sacs in Pigeon
  - (B) V.S. eye of Pigeon 5+2=7
8. Describe the arterial system of rat. 7