

BS/2110

B.Sc. Semester III  
ZOOLOGY  
Paper I: Chordates-I

10379/NH

Time Allowed: Three Hours

Maximum Marks: 40

**Note:** - Attempt five questions in all. Section C is compulsory. Select two questions from Section A and two questions from Section B. Draw diagrams wherever necessary.

**SECTION-A**

1. a) Discuss external Characters of Herdmania
- b) Write about nephridium of Amphioxus 3,3
2. Write down Classification of following animals upto orders:  
*Molgula, Salpa and Dolilum* 2,2,2
3. Give an account of the respiratory system of Amphioxus with well labeled diagram.6
4. Explain the metamorphosis of the tadpole of Herdmania. Tabulate the difference between adult and larva of Herdmania. 6

**SECTION-B**

5. Write down Classification of following animals up to orders:  
*Acipenser, Hyla and Muraena* 2,2,2
6. Write down systematic position of following upto orders  
*Amphiuma, Tetradon and Triton* 2,2,2
7. Give an account of
  - a. Parental Care
  - b. Migration in Fishes 3,3
8. Explain organs and mechanism of respiration in Labeo..6

**SECTION-C**

Write short note on the following:

1. Solenocyte
2. Petromyzon
3. Scales of Labeo
4. Air Bladder
5. *Ammocoetus* Larva
6. Sternum in Frog
7. Heart of Labeo
8. External Characters of *Petromyzon* 8X2