

CS/2111

Syllabus
December, 2020
Semester III

21087/NH

Paper I : Chordates-I

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 *Petromyzon*
b) Write a note on *Ammocoetus* Larva 3,3
2. Write down Classification of following animals upto orders:
Molgula, Pyrosoma and Oikopleura 2,2,2
3. Give an account of the circulatory system of *Amphioxus* with well labeled diagram.6
4. Discuss adaptations and systematic position of *Herdmania* and explain the metamorphosis of the tadpole of *Herdmania* 6

SECTION-B

5. Give an account of
 - a) Parental Care in Fishes
 - b) Type of scales 3,3
6. Write down Classification of following animals upto orders:
Zygaena, Trygon and Narcine 2,2,2
7. Write down systematic position of following upto orders
Amblystoma, Triton and Salamandra 2,2,2
8. Describe alimentary canal and its associated glands in *Labeo*.6

SECTION-C

Write short note on the following:

1. Ciliary feeder
2. Neural complex
3. Enterostome
4. Air Bladder
5. Affinities of Cyclostomata
6. systematic position upto orders of *Necturus*
7. Hyoid apparatus of frog
8. Bucco-Pharyngeal Respiration

8X2=16