

BS/2110

**B.Sc. Semester III
ZOOLOGY**

10380/NH

Paper II: Chordates II and Evolution

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. Write down Classification of following animals up to orders:
Chelone, Viper and Aligator 2,2,2
2. Give an account of digestive system of Pigeon. 6
3. Give an account of urinogenital system of uromastix. 6
4. Write down systematic position of following animals up to orders:
Ardea, Milvus and Eudynamis 2.2.2

SECTION-B

5. Write down Classification of following animals up to orders:
Ornithorhynchus, Loris and Echidna 2,2,2
6. Describe alimentary canal of Rat with well labeled diagram. 6
7. Give an account of cytological and molecular evidences of organic evolution. 6
8. Write notes on following:
 - a. Lamarck theory
 - b. Darwin Theory 3.3

SECTION-C

Write short note on the following:

1. Flight Adaptations
2. Jacobson's organ
3. Organ of Corti
4. Vestigial Organs
5. Systematic position of Pavo
6. Dryopithecus
7. Biological Species Concept
8. Dentition in Mammals

8X2