

**CSM : 14**

**ZOOLOGY**

**PAPER - I**

Time Allowed : 3 hours

Full Marks : 100

*Marks for each question is indicated against it.*

*Attempt any 5 (five) questions taking not more than 3 (three) questions from each Part.*

**PART A**

1. Describe the various modes of Reproduction seen in Protozoa with examples. Write an account on the mechanism of Amoeboid movement with the help of a diagram. (10+10=20)
2. Describe the Nervous system of *Pila globosa* and explain how it has been affected by Torsion. (20)
3. Classify the Class Aves upto Order. Add a note on the principle and modes of flight. (12+8=20)
4. Describe the evolution of the Heart in Vertebrates with suitable diagrams. (20)

**PART B**

5. Give an account of Wildlife in India. Discuss the progress made in respect of set up of protected areas network for wildlife conservation in India. (10+10=20)
6. Write an account of Darwin's theory of Natural selection and give a critical analysis of Darwinism. (12+8=20)
7. Describe the process of Apiculture and add a note on its economic importance. (15+5=20)
8. Write notes on the following: (2×10=20)
  - (a) Basic Local Alignment Search Tool (BLAST)
  - (b) National Center for Biotechnology Information (NCBI)

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