



Progressive Education Society's  
Modern College of Arts, Science & Commerce Ganeshkhind, Pune – 16, NEP 2020 (Autonomous)  
End Semester Examination: April /May 2024

Total No. of Questions: 4/18

Total No. of Pages: 01

**First Year B.Sc.**  
**ZOO12101: Systematics and Diversity of life: Chordates**  
**(Semester II)**

**Program: BScGen03**  
**Program Specific: Zoology**  
**Course Type: Major**  
**Paper: I**

**Credits: 2**  
**Time: 2 Hours**  
**Max. Marks: 30**  
**SET:A**

**Instructions to the candidate:**

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.
- 3) Draw a well labeled diagram wherever necessary.

**SECTION: A**

**Q1) Answer the following**

**[5 X 1= 5]**

1. Define Agnatha.
2. Explain heterocercal tail.
3. Define Metatheria.
4. Explain Insectivorous beak.
5. Define Osteichthyes.

**SECTION: B**

**Q2) Answer the following (Attempt any 5/7)**

**[5 X 2 =10]**

1. Give general characters of Cephalochordata.
2. Describe in brief morphological flight adaptation in birds.
3. Explain latitudinal migration in birds.
4. Gives two examples of venomous snake.
5. Describe egg laying Mammals.
6. Explain types of scales in fishes.
7. Describe the direct nursing by parent in Amphibia.

**SECTION: C**

**Q3) Answer the following/Write short notes on following (Attempt any 2/4)**

**[2 X 5 = 10]**

1. Describe the general characters of class Reptilia.
2. Explain cursorial adaptation in Mammalia.
3. Describe the desert adaptation in Reptilia.
4. Explain difference between Venomous and Nonvenomous Snakes.

**SECTION: D**

**Q4) Answer the following (Attempt any 1/2)**

**[5 X 1 = 5]**

1. Describe the classification of phylum Chordata upto class level with suitable examples.
2. Describe the salient features of class Mammalia.

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