

**A-243**

Total Pages : 3

Roll No. ....

**MSCZO-601**

**M.Sc. ZOOLOGY (MSCZO)**

**(Vertebrates)**

3rd Semester Examination, 2024 (June)

Time : 2:00 Hrs.

Max. Marks : 70

*Note :-* This paper is of Seventy (70) marks divided into Two (02) Sections 'A' and 'B'. Attempt the questions contained in these Sections according to the detailed instructions given therein. *Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.*

**Section-A**

**(Long Answer Type Questions) 2×19=38**

*Note :-* Section 'A' contains Five (05) Long-answer type questions of Nineteen (19) marks each. Learners are required to answer any *two* (02) questions only.

1. Discuss the salient features of Chordata and classify chordates up to order level.
2. Elaborate different kinds of reptilian skulls with the help of suitable diagrams.
3. Explain flight mechanism of birds. Also explain various flight adaptations found in birds.
4. Write a note on origin and adaptive radiation in mammals.
5. Describe in detail the poison apparatus and biting mechanism of snakes along with the difference in poisonous and non- poisonous snakes.

### **Section–B**

**(Short Answer Type Questions)**      4×8=32

**Note** :- Section 'B' contains Eight (08) Short-answer type questions of Eight (08) marks each. Learners are required to answer any *four* (04) questions only.

1. Discuss the affinities of Pisces and Amphibians.
2. Describe adaptive radiation in bony fishes.
3. Diagrammatically explain different types of beaks found in birds.

4. Write a note on dentition in mammals.
5. Explain the characteristic features of Rhynchocephalia.
6. Write a note on bird migration.
7. Discuss the reptilian and avian characteristics of Archaeopteryx.
8. Write a note on distribution and characters of several classes of flightless birds.

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