

A-1071

Total Pages : 03

Roll No. -----

MSCZO-601

Vertebrates

M.Sc. Zoology (MSCZO)

Examination 2026(Feb.)

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)

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.

[2x19=38]

P.T.O.

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- Q.1. Elaborate the origin and evolution of Chordates.
- Q.2. Discuss adaptive radiation of amphibia.
- Q.3. Describe skull of reptiles with suitable diagrams.
- Q.4. Describe migration in birds and its significance.
- Q.5. Explain various flight adaptations found in birds.

Section-B

(Short-Answer-Type Questions)

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.

[4x8=32]

- Q.1. Give a brief classification of Chordata and also explain the differences between chordates and non-chordates.
- Q.2. Discuss the adaptive radiation in bony fishes.
- Q.3. Describe general characters and significance of Axolotl larva along with its diagram.
- Q.4. Discuss the changes that lead to conversion of amphibians into land adapted reptiles.
- Q.5. Differentiate venomous and non-venomous snakes.

- Q.6. Write a short note on flightless birds and their distribution.
- Q.7. Explain beak modifications in birds with the help of suitable diagram.
- Q.8. Discuss mammalian affinities of prototherians.
