

A-0081

Total Pages : 3

Roll No.

MSCZO-509

M.Sc. Zoology (MSCZO)

(Animal Behavior)

Examination, June 2025

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 genetic components of developmental behavior in animals. How do genetic predispositions shape an animal's behavior ?
2. Discuss the evolution of communication in animals. How have different species adapted their communication strategies to suit their ecological needs ?
3. Explain the ecological significance of biological rhythms in animals. How do these rhythms contribute to survival and reproductive success ?
4. What is habituation, and how does it contribute to an animal's ability to adapt to its environment ?
5. How does social behavior in primates influence their survival ? Discuss examples of cooperation, group dynamics, and social hierarchies in primates.

SECTION–B

(Short Answer Type Questions) $4 \times 8 = 32$

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. How are behavioral patterns classified in ethology ?
2. Give an example of a behavior influenced by hormones.

3. Give an example of environmental factors shaping behavior.
4. What is optimal foraging theory ?
5. What is kin selection, and how does it influence social behavior ?
6. Why is courtship behavior important in reproduction ?
7. How do animals navigate during migration ?
8. How do cognitive skills differ from reasoning in animals ?
