MZOE–002

M. SC. (ZOOLOGY) (MSCZOO)
Term-End Examination
June, 2025

MZOE-002 : ANIMAL BEHAVIOUR AND ANIMAL WELFARE ETHICS

Time : 2 Hours   *Maximum Marks : 50*

Note : *Answer any **five** questions. All questions carry equal marks.*

1. Define the following terms : $2 \times 5 = 10$

    (a) Classical conditioning

    (b) Operant conditioning

    (c) Ethogram

    (d) Unconditioned reflex

    (e) Fixed Action Pattern (FAP)

2. (a) What is code breaking ? With the help of an suitable example, explain brood parasitism in relation to code breaking.   5

   (b) With suitable example, explain social learning theory.   5

3. (a) Explain the social behaviour of lion.   5

   (b) What are the conditions that increase the probability of evolution of reciprocal altruism ?   5

4. (a) Discuss parental care in amphibians.   4

   (b) Write down the mathematical representation of Hamilton's rule.   2

   (c) Write a short note on reproductive fitness.   4

5. (a) Briefly describe the following areas of animal welfare, giving examples :

$3 \times 2 = 6$

   (i) Biological functioning

   (ii) Feelings

   (iii) Naturalness

   (b) Discuss the role of environmental coping issues in animal welfare. 4

6. (a) Discuss the evolution of five freedoms with examples. 5

   (b) Explain the *five* domains of animal welfare. 5

7. (a) What issues might conflict with the desires of zoos to provide good welfare for the species in their care ? 5

(b) Describe some long standing welfare problems that could be improved by future selective breeding. 5

8. (a) Describe the *six* main ethical views relating to our treatment of animals. 6

(b) How do deontological ethical views differ from consequentialist views ? Discuss. 4

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