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MZOE-002

M. SC. (ZOOLOGY)

(MSCZOO)

Term-End Examination

December, 2025

MZOE-002 : ANIMAL BEHAVIOUR AND

ANIMAL WELFARE ETHICS

Time : 2 Hours

Maximum Marks : 50

Note : (i) *Attempt any **five** questions.*

(ii) *All questions carry equal marks.*

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1. (a) Explain stimulus filtering mechanism
with the help of an example. 4

- (b) What is reproductive mimicry ? Explain its different types. 6
2. (a) Differentiate between classical and operant conditioning with suitable examples. 6
- (b) Explain the role played by the endocrine system in regulating the behaviour of invertebrates. 4
3. Explain the important characteristics of social insects. 10
4. Write short notes on the following : $4 \times 2\frac{1}{2} = 10$
- (a) Reproductive fitness
- (b) Parental care in birds
- (c) Relevance of altruism in family relationship
- (d) Brood parasitism

5. (a) What is 'The Five Domains' model of animal welfare ? Discuss. 5
- (b) Discuss the advantages of the Five Freedoms. 5
6. (a) Write about the important purposes served by animal welfare assessment. 5
- (b) Briefly describe various steps in implementing animal welfare assessment. 5
7. (a) Write any *two* ethical considerations in genetic selection in animal welfare. 2
- (b) Write *three* practical science-based methods for improving human-animal relationship. 3

- (c) Discuss the behavioural studies that have been used as supporting evidence for animal sentience. 5
8. (a) Briefly describe animal rights approaches to the treatment of animals. 4
- (b) How do contractarian views differ from utilitarian ethical views? 6

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