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MZOE-002

MASTER OF SCIENCE (ZOOLOGY)

(MSCZOO)

Term-End Examination

June, 2026

MZOE-002 : ANIMAL BEHAVIOR 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. (i) Briefly explain the difference between proximate and ultimate causes of behavior in relation to sleep. 6

- (ii) Give an account of taxis and its types. 4
2. (i) Explain Innate Releasing Mechanism (IRM) and its types with suitable examples. 6
- (ii) Describe the salient features of Batesian and Mullerian mimicry. 4
3. (i) Explain classical conditioning and its components in the context of Pavlov's experiments. 5
- (ii) Describe polyphenism and polyethism in Honeybees. 5
4. (i) Define altruism and explain it with any *two* examples. 5

- (ii) Explain Intersexual selection and strategies adopted by males to get selected by females for mating. 5
5. (i) Describe the parental care in fishes. 5
- (ii) Discuss the *three* main components of animal welfare concern. 5
6. (i) How do the Five Freedoms cover all the three domains of animal welfare ? 6
- (ii) Describe the role of Animal Welfare assessment. 4
7. (i) Which indicators can be used to assess the welfare of laboratory animals ? Add a note on the significance of 3 R's principle. 6

- (ii) How can physical and non-physical contacts improve human-animal relationships ? 4
8. (i) How may breeding help in alleviating long standing welfare problems ? 5
- (ii) Describe behavioral evidences in support of animal sentience. 5

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