

**M. SC. (ZOOLOGY) (MSCZOO)**

**Term-End Examination**

**December, 2024**

**MZOE-002 : ANIMAL BEHAVIOUR AND ANIMAL  
WELFARE ETHICS**

*Time : 2 Hours*

*Maximum Marks : 50*

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

(ii) All questions carry equal marks.

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1. (i) Briefly differentiate between the following  
pairs of terms : 2+2
  - (a) Innate behaviour and Acquired  
behaviour
  - (b) Preference tests and Motivation test

- (ii) Define Fixed Action Pattern (FAP). Write the characteristics and evolutionary significance of FAP. 6
2. (i) Write a note on imprinting. 4
- (ii) List **four** main types of conflict behaviours and discuss any **two** of them. 6
3. (i) Explain the interrelationship of altruism and inclusive fitness. 5
- (ii) What is reciprocal altruism ? Explain with suitable examples. 5
4. (i) Describe sperm competition and post-insemination tactics adopted by the males to ensure paternity. 5
- (ii) What is Brood Parasitism ? Differentiate between intra- and inter-species brood parasitism. 5

5. (i) What is “The Five Domains Model” of animal welfare ? Write its main advantages. 5
- (ii) Discuss the advantages of the *five* freedoms. 5
6. (i) Write the meaning of ‘validity’ and ‘reliability’ in the context of animal welfare assessment. 5
- (ii) What issues might conflict with the desire of zoos to provide good welfare for the species in their care ? 5
7. (i) What is “Resource Holding Potential” (RHP) ? List some common attributes that affect RHP. 5
- (ii) Write about ethical considerations in genetic selection. 5

8. (i) What is Animal Sentience ? Why is it  
important in animal welfare ? 4
- (ii) What is Deontology Ethical Theory ? How  
do deontological ethical views differ from  
consequentialist views ? 6

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