

M. SC. (ZOOLOGY) (MSCZOO)

Term-End Examination

December, 2024

**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.

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

x x x x x x x