

MZOE-002

ASSIGNMENT BOOKLET

M.Sc. (Zoology) Programme

(MSCZOO)

**ANIMAL BEHAVIOUR AND ANIMAL WELFARE
ETHICS**

Valid from 1st January, 2024 to 31st December, 2024



**School of Sciences
Indira Gandhi National Open University
Maidan Garhi
New Delhi-110068**

(2024)

Dear Student,

Please read the Section on assignments in the Programme Guide for M.Sc. (Zoology). A weightage of 30 per cent, as you are aware, has been earmarked for continuous evaluation, which would consist of one tutor-marked assignment for this course. The assignment is in this booklet. The total marks for this assignment is 100, of which 40 marks are needed to pass it.

Instructions for formatting your Assignments

Before attempting the assignment please read the following instructions carefully:

- 1) On top of the first page of your answer sheet, please write the details exactly in the following format:

ROLL NO.:

NAME:

ADDRESS:

.....

.....

COURSE CODE:

COURSE TITLE:

ASSIGNMENT NO.:

STUDY CENTRE:

DATE:

PLEASE FOLLOW THE ABOVE FORMAT STRICTLY TO FACILITATE EVALUATION AND TO AVOID DELAY.

- 2) Use only foolscap size writing paper (but not of very thin variety) for writing your answers.
- 3) Leave 4 cm margin on the left, top and bottom of your answer sheet.
- 4) Your answers should be precise.
- 5) Solve this assignment, and **submit the complete assignment answer sheets within the due date.**
- 6) The assignment answer sheets are to be submitted to your Study Centre within the due date. **Answer sheets received after the due date shall not be accepted. We strongly suggest that you retain a copy of your answer sheets.**
- 7) This assignment is valid from 1st January, 2024 to 31st December, 2024. If you have failed in this assignment or fail to submit it till its validity, then you need to get the assignment for the next year and submit it as per the instructions given in the Programme Guide.
- 8) **You cannot fill the examination form for this course** until you have submitted this assignment.

We wish you good luck.

ASSIGNMENT PARASITOLOGY

Course Code: MZOE-002
Assignment Code: MZOE-002/TMA/2024
Maximum Marks: 100

Note: Attempt all questions. The marks for each question are indicated against it.

1. a) Briefly differentiate between the following pairs of terms: (6)
 - i) Innate behaviour and acquired behaviour.
 - ii) Observational studies and experimental studies.
 - iii) Preference tests and motivation tests.
- b) Define taxis. Differentiate among its different types. (4)
2. a) What is reproductive mimicry? Write a short note on its various types. (5)
- b) Explain Pavlov's Conditioning. (2)
- c) What is the difference between conditioned and unconditioned stimulus? (1)
- d) What is 'extinction' with reference to classical conditioning? (2)
3. a) Explain the 'feedback loop system' for maintaining homeostasis in animals. (5)
- b) Describe characteristic features of social organization in insects. (5)
4. a) Define the following terms: (4)
 - i) Biological altruism
 - ii) Green-beard effect
 - iii) Coefficient of relatedness
 - iv) Reciprocal altruism
- b) Differentiate between (6)
 - a) Polygamy and Promiscuity
 - b) Serial and social monogamy
 - c) Polyandry and Polygyny
5. a) What are the costs and benefits of parental care? (5)
- b) Explain how genes and hormones control human behaviour. (5)
6. a) Discuss different animal welfare standards. (5)
- b) Describe main conceptual ideas behind animal welfare. (5)
7. a) Discuss the advantages of Five Freedoms. (5)
- b) How animal welfare assessment is useful? (5)

8. a) Write the steps needed to implement animal welfare assessment in practice. (5)
b) Discuss costs and benefits of social living. (5)
9. a) What are the usual signals given by animals before attacking? (2)
b) Why might wild / captive wild animals attack humans? (2)
c) Give examples for cultural human-animal conflict. (2)
d) Explain the concept of genetic selection in improving animal welfare. (5)
10. a) Discuss some of the behavioural studies that have been used as supporting evidence for animal sentience. (5)
b) What are the interventions to preserve species from extinction from 'Nature Ethical View' perspective? (5)