

MZO-009

ASSIGNMENT BOOKLET

**M.Sc. (Zoology) Programme
(MSCZOO)**

RESEARCH METHODOLOGY

Valid from 1st January, 2025 to 31st December, 2025



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

(2025)

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, 2025 to 31st December, 2025. 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 (Tutor Marked Assignment)

Course Code: MZO-009

Assignment Code: MZO-009/TMA/2025

Maximum Marks: 100

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

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|-----|----|---|----------|
| 1. | a) | What are the different problems faced by the researchers in India? | (5) |
| | b) | Differentiate between primary and secondary sources of data. | (5) |
| 2. | a) | Enumerate the different problems of survey research. | (6) |
| | b) | What are the different points that need to be covered in the Introduction section of any research proposal? | (4) |
| 3. | | Describe the different steps in planning an experimental research work. | (10) |
| 4. | a) | Discuss the different forms of formal experimental design. | (5) |
| | b) | Enumerate the advantages and limitations of cohort studies. | (5) |
| 5. | a) | Explain the different characteristics of case study method. | (5) |
| | b) | Classify and explain the different types of non-probability sampling. | (5) |
| 6. | | Give a broad overview of the preparation and organization of research notes. | (10) |
| 7. | a) | State the different characteristics of the normal probability curve. | (5) |
| | b) | Distinguish between content validity and construct validity. | (5) |
| 8. | | What are the different types of observation? Explain the stages in the process of observation. | (4+6=10) |
| 9. | | Write short notes on: | (5×2=10) |
| | a) | Box-and-Whiskers Plot | |
| | b) | Features of Statistical Package for Social Sciences | |
| 10. | a) | Discuss the different types of citation index. | (5) |
| | b) | What is meant by intellectual property rights (IPR)? Discuss the different types of IPR. | (5) |