

ASSIGNMENT BOOKLET

**MASTER OF SCIENCE (INDUSTRIAL SAFETY)
(MSCIDS)**

THIRD SEMESTER

Last date for submission:

31st October 2026 for July 2026 Session

**School of Engineering and Technology
Indira Gandhi National Open University
Maidan Garhi, New Delhi-110068**

Dear Student,

We advise you to go through your course material carefully and read all the sections pertaining to assignments. As you are aware, a weightage of 30 per cent of marks, has been earmarked for continuous evaluation which would consist of **one tutor-marked assignment** for each of MIS-031, MIS-032, MIS-033, MIS-034, MIS-035 and MEV016 courses. You have to score a minimum of 40 marks out of 100 marks in each of the assignment. **Submit your assignments to: The Programme Coordinator (MSCIDS), SOET, IGNOU, Maidan Garhi, New Delhi-110068**

Instructions for Formatting Your Assignments

Before attempting the assignment, please read the following instructions carefully.

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

ENROLLMENT NO:	
NAME:	
ADDRESS:	
.....	
E-mail ID :	
COURSECODE:	
COURSE TITLE:	
PROGRAMME :	
STUDY CENTRE:	DATE:.....

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

- 2) Use only full size writing paper (but not of very thin variety) for writing your answers.
- 3) Leave a 2 cm margin on the left, top and bottom of your answer sheet.
- 4) Your answers should be precise.
- 5) **Only hand written answers are acceptable. Do not submit typed or photocopied answers.**
- 6) While solving problems, clearly indicate the question number along with the part being solved. Be precise. Recheck your work before submitting it.

Answer sheets received after the due date shall not be accepted.

We strongly feel that you should retain a copy of your assignment response to avoid any unforeseen situations and append, if possible, a photocopy of assignment questions with your response.

We wish you good luck.

Assignment -1
(To be done after studying the course material)

Course Code: MIS-034 Course
Title: Research Methodology
Assignment Code: MIS-034/TMA/2025
Maximum Marks: 100
Last Date of Submission: 31st October, 2026

4. Note: Attempt all questions. All questions carry equal marks.

Q.1	What is hypothesis? Explain the steps involved in testing of a hypothesis.	10
Q.2	Explain mix method of research. Discuss and illustrate the rational for the use of mixed methods.	10
Q.3	What is action research? Discuss the advantages and disadvantages of action research with examples.	10
Q.4	Explain the concept of measurement. Discuss various types of scales of measurement.	10
Q.5	What is regression? Discuss the basic assumption of classical linear regression model. How does regression analysis help a research in data analysis?	10
Q.6	Discuss the concept of composite index. Discuss various methods for construction of composite index.	10
Q.7	Explain correspondence analysis. Describe the steps involved in correspondence analysis.	10
Q.8	Describe the concept of cluster analysis. Explain the steps involved in conducting cluster analysis.	10
Q.9	a) Describe various steps involved in formulation of a project proposal. b) Discuss the ethical issues related to research publication and reproducibility.	5+5
Q.10	Write short notes on any FIVE of the following: a) Random sampling b) Errors in measurement c) Copyright d) Chi-square distribution e) Factor analysis f) Frequency distribution g) Standard deviation h) Data collection i) Types of report	5x2=10