

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-035
Course Title: Safety in Various Industrial Sectors
Assignment Code: MIS-035/TMA/2026
Maximum Marks: 100
Last Date of Submission: 31st October, 2026

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

Q.1	a) What are the common hazards in the mechanical industry? Explain. b) Describe the strategies for risk mitigation in the mechanical industry.	5+5
Q.2	a) How do you identify the risk? What are the various techniques for the identification of risk in Automobile industries? b) How does collision warning system work?	5+5
Q.3	a) Discuss various precautions to be taken and procedures to be followed for storing hazardous materials in chemical industry. b) Discuss the strategies for preventing industrial accidents.	5+5
Q.4	a) Discuss in detail about various fire detection systems used in industries. b) Discuss the events on the day of Bhopal Gas Tragedy in detail.	5+5
Q.5	a) What are the safety measures to be taken at the spinning mill? Explain. b) Why is Personal Protective Equipment (PPE) required for man-made fiber manufacturing industry? Explain briefly.	5+5
Q.6	a) Explain in detail the general safety measures to be taken at different sections of fiber manufacturing factory. b) Why are the safety measures essential in textile industry? Explain.	5+5
Q.7	a) Discuss in detail the safety measures to be taken in the knitting unit. b) What are various chemical hazards observed in Wet Processing Industry?	5+5
Q.8	a) What are the key components of bio security program? Explain briefly. b) What measures reduces the contamination risks from food contact surfaces? Explain briefly.	5+5
Q.9	a) Discuss the safety risks in the pharmaceutical industry and how it can be managed? b) Explain the classification of Hazardous Waste and various treatment methods employed to treat and dispose them.	5+5
Q.10	Write short notes on the following: a) Seat Belt b) Airbag c) Smoke Detector d) Biological Safety Cabinet (BSC)	4X2.5=10