

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-031
Course Title: Fire Safety
Assignment Code: MIS-031/TMA/2026
Maximum Marks: 100
Last Date of Submission: 31st October, 2026

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

Q.1	a) What do you understand by the importance and need of fire safety? b) Define Fire Triangle and explain how removing one of its components can extinguish a fire?	5+5
Q.2	a) Explain how electrical faults can lead to fire accidents. b) What is a fire extinguisher? How does it work against fire? Explain.	5+5
Q.3	a) Define Power Prevention and explain its importance in workplace safety. b) What are the major fire detectors and measurement techniques? Explain briefly.	5+5
Q.4	a) What are the key factors influencing flashover in a compartment fire? b) What strategies can be used to control smoke in large enclosed spaces?	5+5
Q.5	a) How are fire fighting equipments maintained and inspected? b) What are the key components of a fire alarm system? Explain.	5+5
Q.6	a) What are the common causes of residential fire? b) What is procedure for testing and maintenance of fire alarms?	5+5
Q.7	a) What are the key differences between first, second, third and fourth degree burns? Explain briefly. b) What are the key steps involved in fire accident investigations?	5+5
Q.8	a) How does evacuation planning and crowd management improve fire safety? b) What are the essential considerations for transporting a burn victim?	5+5
Q.9	What technologies are used in modern fire detection and suppression systems?	10
Q.10	Write short notes on the following: a) National Fire Protection Association (NFPA) b) Fire Blankets	4X2.5=10

	c) Flame Detectors	
	d) First Aid for burn victim	