

ASSIGNMENT BOOKLET

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

FOURTH 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-036, MIS-037, MIS-038, 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 :

STUDYCENTRE: **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-038
Course Title: Hazardous Material Management
Assignment Code: MIS-038/TMA/2025
Maximum Marks: 100
Last Date of Submission: 31st October, 2026

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

Q.1	c) What is Safety Material Data Sheet? What information is available in Material Data Sheet? d) Define Hazardous Materials. What are various types of hazardous materials in process industry?	5+5
Q.2	a) What is hazardous waste? How do you dispose hazardous waste safely? Explain briefly. b) What is Hazard and Operability (HAZOP) study? How can it be applied in Hazardous Material Management?	5+5
Q.3	a) What are different types of training provided to the employees while handling hazardous materials? Explain briefly. b) Describe the effect of dangerous chemicals on health.	5+5
Q.4	a) Explain the hazardous waste management hierarchy with suitable diagram. b) What are the key aspects of safe transportation? Explain briefly.	5+5
Q.5	a) Describe the progressive development of fire from ignition through its various stages. b) Describe about the hazardous waste treatment technologies.	5+5
Q.6	a) Describe the Hazardous waste listed under Schedule – II of Hazardous Waste Amendment Rules 2000. b) Discuss the role of technology in safe transportation.	5+5
Q.7	a) What are the factors to be considered during location selection of landfills? Explain briefly. b) How do you classify the Fire? Explain briefly.	5+5
Q.8	Discuss various hazardous waste disposal methods?	10
Q.9	a) Explain the Hierarchy of hazardous control with proper diagram. b) Discuss the fire hazards, fire precautions and fire-fighting equipment used for dangerous chemicals.	5+5
Q.10	Write short notes on the following: a) Personal Protective Equipments b) Packaging of Hazardous Waste c) Emergency Response Plan d) Eye and Face Protection	2.5X4=10