

**ASSIGNMENT BOOKLET**

**POST GRADUATE DIPLOMA IN INDUSTRIAL SAFETY  
(PGDINDS)**

**FIRST SEMESTER**

**Last date for submission:**

**31<sup>st</sup> October for July 2025 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 MIS021, MIS022, MIS023 & MIS024 courses. You have to score a minimum of 40 marks out of 100 marks in each of the assignment. **Submit your assignments at your respective Regional Centre. Any Queries related to Assignments send strictly to the email ID: [pgdinds@ignou.ac.in](mailto:pgdinds@ignou.ac.in)**

### Instructions for Submitting 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:

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**ENROLMENT NO:** .....

**NAME:** .....

**ADDRESS:** .....

.....

**Email ID :** .....

**COURSECODE:** .....

**COURSETITLE:** .....

**PROGRAMME:** .....

**STUDYCENTRE:** .....      **DATE:**.....

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**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 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 this booklet with your response.**

We wish you good luck.

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

**Course Code: MIS-021**  
**Course Title: Safety Philosophy and Principles of Accident Prevention**  
**Assignment Code: MIS-021/TMA/2024**  
**Maximum Marks: 100**  
**Last Date of Submission: October 31, 2025**

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

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Q.1	How has the historical evolution of workplace safety practices influenced modern safety regulations in industries today, and what lessons can we learn from past incidents to improve current safety standards?	10
Q.2	In what ways can the principles of risk management and safety audits be applied not only in industrial settings but also in everyday life situations, and how might this shift our perception of safety in our personal environments?	10
Q.3	Reflecting on the causes of industrial fires mentioned in the text, how might awareness and training programs be designed to address human error and promote a culture of safety?	10
Q.4	What role do you think psychological factors play in workplace safety practices?	10
Q.5	What is safety management system? Describe the important management approaches towards safety management system.	10
Q.6	Briefly state the check points to ensure safe loading of a crane. Explain the safety measures to be taken when a crane is not in use.	10
Q.7	Enlist three main categories of causes of industrial accidents. For each category, provide an example how these causes contribute to accidents.	10
Q.8	Discuss accident causation models in brief. Which model do you believe offers the most effective framework for understanding accidents? Justify your reasoning and identify any assumptions you might have about your choice.	10
Q.9	Consider the importance of the Indian Standard for measurement of industrial accidents. What specific metrics are included in this standard, and how do they aid in accident prevention?	10
Q.10	Write Short notes on any Two of the following: a) Roles and responsibility of safety manager b) Electrical handling c) Concept of 5 S in industry d) Cost of accidents e) Bhopal gas tragedy	10