

ASSIGNMENT BOOKLET

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

FIRST SEMESTER

Last date for submission:

30th October 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 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 .**

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:

ENROLMENT NO:	
NAME:	
ADDRESS:	
.....	
Email ID :	
COURSECODE:	
COURSETITLE:	
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 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.
- 7)
- 8) **You must attach copy of your Student Id Card with your assignments.**

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 -3
(To be done **after** studying the course material)

Course Code: MIS-023
Course Title: Safety in Construction Industry
Assignment Code: MIS-023/TMA/2026
Maximum Marks: 100
Last Date of Submission: October 30, 2026

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

Q.1	a) Discuss the major hazards associated with construction activities. b) Discuss various accident prevention techniques.	10
Q.2	Explain the importance of safety management in the construction industry. Discuss the roles and responsibilities of the employer, supervisor, and workers in maintaining a safe workplace.	10
Q.3	Describe various Personal Protective Equipment and their role in safeguarding the workers at site.	10
Q.4	Describe the safety precautions to be followed while carrying out excavation work. Discuss the common causes of excavation failures and methods for their prevention.	10
Q.5	a) Explain the hazards associated with working at heights and discuss suitable preventive measures. b) Discuss the safety requirements for the erection, inspection, and dismantling of scaffolds.	5+5
Q.6	a) What safety measures should employers take regarding use of conveyors? b) Explain the causes of crane accidents and suggest methods to prevent them.	5+5
Q.7	i. What is the need of safety training? Explain the purpose of identification of training needs ii. Discuss various type of training that are given to the employees.	10
Q.8	a) Explain ergonomics of material handling. What precautions should be taken while manual material handling. b) What safeguards workers should take while stacking materials.	10
Q.9	a) Discuss safe practices to be followed during demolition work. b) Explain the environmental management measures for controlling dust, noise, vibration, and construction waste at project sites.	5+5
Q.10	Discuss a real-life case study of a construction accident other than those given in the study material . Your answer should include the following aspects: i. Background of the incident	10

	ii. Causes of the accident iii. Consequences (loss of life, injuries, property damage, environmental impact) iv. Corrective actions taken after the accident v. Preventive measures and lessons learned for future construction projects	
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