PGCINDS- 2021

ASSIGNMENT BOOKLET

POST GRADUATE DIPLOMA IN INDUSTRIAL SAFETY (PGCINDS)

Last date for submission:

30th October for July 2021 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 section pertaining to assignments. A weightage of 30 per cent, as you are aware, has been earmarked for continuous evaluation which would consist of **one tutor-marked assignment** for each of MIS-021, MIS-022, MIS-023 and MIS-024 of this course. You have to score a minimum of 40 marks out of 100 marks in each of the assignments. **Submit your assignment response at Programme Coordinator (PGCINDS), Block-C, School of Engineering & Technology, Indira Gandhi National Open University, Maidan Garhi, New Delhi - 110068**

A feedback form is enclosed with this assignment. Please complete it after solving this assignment and send it to the Course Coordinator (PGCINDS) on the address specified on the feedback form.

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:

ENROLMENT NO: ……

NAME: ……

ADDRESS: ……

……

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COURSE CODE: ……..

COURSE TITLE: ……..

ASSIGNMENT NO.: ……..…

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 4 cm margin on the left, top and bottom of your answer sheet.

4) Your answers should be precise.

5) 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 situation 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/2021
Maximum Marks: 100

Note:

1. **For any question worth 5 marks the word limit is 200 words, for a 10 mark question it is 350 words.**
2. **All questions are compulsory. All questions carry equal marks.**

Q.1	a)	Discuss the role of certain forces in harnessing the cause of safety.	5
	b)	Explain the importance of permit procedures with suitable example.	5
Q.2	a)	What is PPE? Explain importance of training employees regarding proper usage of PPE.	5
	b)	Explain any two agents to fight fire.	5
Q.3	a)	Briefly describe the various levels of responsibility in the Safety Cell of a large organization.	5
	b)	Write down any five important principles of material handling.	5
Q.4	a)	What is SEIRI and what are the benefits an industry can derive from practicing it?	5
	b)	Briefly state the check points to ensure safe loading of a crane.	5
Q.5	a)	Describe the important management approaches towards safety management system.	5
	b)	What are the loss control techniques? How these are used to reduce the possibility of a loss and limit the severity?	5
Q.6	a)	How incentives, recognition and rewards are important in safety culture?	5
	b)	Explain in detail the audit process and the activities involved in it	5
Q.7	a)	What are the advanced investigation techniques? Explain any one of them.	5
	b)	A company has 100 full-time employees working 2,000 hours per year. It reported 70 lost work days due to accidents in 2014. Calculate the severity rate.	5
Q.8	a)	Describe the insurance based approach for the cost analysis of an accident in brief.	5
	b)	Discuss the importance of accident prevention in brief.	5

Q.9 Write short notes on the following: (5 X 4 = 20)

a) Ergonomics in the industry
b) Types of accident
c) Fault tree analysis
d) Hazard control system