
PGDINDS- 2023

ASSIGNMENT BOOKLET

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

Last date for submission:

30th April for January 2023 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 MEV-001, MEV-002, MEV-005, MIS-025 and MIS-026 (Semester - 2) of this course. You have to score a minimum of 40 marks out of 100 marks in each of the assignments. **Submit your assignments at your respective Regional Centre.**

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:

.....

.....

COURSECODE:

COURSE TITLE:

ASSIGNMENT NO.:

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 4 cm margin on the left, top and bottom of your answer sheet.
- 4) Your answers should be precise.
- 5) Only hand written assignments acceptable. No typed assignments
- 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 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-025

Course Title: Industrial Project Management & Control Strategies

Assignment Code: MIS-025/TMA/2023

Maximum Marks: 100

Last Date of Submission: April 30, 2023

Note:

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

Q.1	Enumerate the principles of Scientific Management proposed by Taylor. What were the main criticisms of this thought of management? How, in your opinion, can the Human Relations Approach overcome these problems and the criticism of this school of management?	10
Q.2	a) Explain the conditions under which managers may have to make decisions.	5
	b) Discuss the advantages and limitations of Group Decision Making.	5
Q.3	a) Explain various types of price elasticity. What are the factors which govern the price elasticity of demand?	5
	b) "India has a very complex mixed economy." Comment	5
Q.4	What is coordination? What are its benefits? How is vertical coordination achieved in an organisation? Discuss.	10
Q.5	a) Differentiate between "Quality Assurance" and "Quality Control".	5
	b) How does the quality affect an organisation? What are the drives for quality?	5
Q.6	What is a Detailed Project Report (DPR)? What are the documents and data necessary for its preparation? How does it differ from Techno-economic Feasibility Report?	10
Q.7	a) What is "Power"? How is it different from "Authority"? What is meant by "Dynamics of Power"?	5
	b) How will conducting of organisation dynamics help in improving an organisation? Discuss the steps involved and the likely benefits.	
Q.8	What do you understand by the term "Programming" and "Scheduling" of projects? Discuss the steps involved in programming and scheduling. Discuss briefly the techniques used in engineering projects.	10
Q.9	What do you understand by the concepts "Sustainable Development" and "Environmental Impact Assessment"? Discuss the five basic contents of EIA.	10
Q.10	Write short notes on any four of the following: a) Time Value of Money	10

	<ul style="list-style-type: none">b) Johari Windowc) Assumptions made under Theory 'X' and 'Y'd) Break Even Analysise) Operating Characteristic Curve (OCC)	
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Assignment -2(To be done **after** studying the course material)**Course Code: MIS-026****Course Title: Communication Skills for Industrial Safety****Assignment Code: MIS-026/TMA/2023****Maximum Marks: 100****Last Date of Submission: April 30, 2023****Note:****2. Attempt all questions. All questions carry equal marks.**

Q.1	a) What are the seven 'C's of effective communication? Explain with suitable diagram.	5
	b) List out the advantages of good time management.	5
Q.2	a) Explain the interpersonal Interviews with suitable example.	5
	b) Define an Information and Communication Technology (ICT) system and explain the working of various components of an ICT system.	5
Q.3	a) Explain the three-stage process of Technical writing?	5
	b) Describe the various visual elements with suitable examples.	5
Q.4	a) Discuss the Guidelines for writing an effective report.	5
	b) Describe the structure of the Project Report.	5
Q.5	a) Explain the role of planning while using a computer for Technical Writing? List out the advantage of using e-mail.	5
	b) What is the Personality? Discuss the various factors affect the development of a Personality?	5
Q.6	a) Explain SWOT Analysis? List out the advantages of conducting a Personal SWOT analysis.	5
	b) Define Attitude. Discuss the characteristics of attitude.	5
Q.7	a) What is "Group"? How do you classify "Group"? Explain the characteristics of "Group"?	5
	b) Differentiate between Team and Group.	5
Q.8	a) What is Leadership? Explain the various types of Leadership Theories	5
	b) Define Decision Making. What are the good characteristics of Decision Making?	5
Q.9	a) Explain the process of Conflict Management and its approaches.	5

	b) What is EMOTION? What are the various types of EMOTION? List out the properties of EMOTION.	5
Q.10	a) What is Stress Management? Explain the organizational approaches to managing stress.	5
	b) What is Writing Skill? What are the importance of Proof Reading? Explain briefly.	5

Assignment -3

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

Course Code: MEV-001

Course Title: Introduction to Environmental Health

Assignment Code: MEV-001/TMA/2023

Maximum Marks: 100

Last Date of Submission: April 30, 2023

Note:

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

Q.1	What do you understand about Natural Environment? What are the segments of environment? Describe the human dimensions of global environmental change.	10
Q.2	Define Ecosystem? Explain the structure and function of an Ecosystem.	10
Q.3	What do you understand about Energy Resources? What are the various renewable energy resources? Explain any one.	10
Q.4	What is Environmental Degradation? Discuss about Green House Effect and Global Warming.	10
Q.5	What are the various types of Pollution? Describe the Atmospheric effects and the reactions in Atmosphere.	10
Q.6	Discuss the effects of Air Pollution on Human Health and how do you treat the sewage water? Briefly explain.	10
Q.7	What are the causes and sources of soil pollution. How do you prevent the soil pollution? Discuss.	10
Q.8	What are the characteristics of soil waste? How do you dispose the e-waste? Explain briefly.	10
Q.9	What is water monitoring? How do you undergo the drinking water treatment? Explain briefly.	10
Q.10	Write short notes on any two of the following: a) Noise level monitoring b) Air quality assessment c) Environmental quality assessment	5+5

Assignment -4

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

Course Code: MEV-002

Course Title: Environmental and Occupational Hazards

Assignment Code: MEV-002/TMA/2023

Maximum Marks: 100

Last Date of Submission: April 30, 2023

Note:

4. Attempt all questions. All questions carry equal marks.

Q.1	What do you understand Natural Hazards and Disaster? What are the types of Natural Hazards? Discuss the effects and service function of Natural Hazards.	10
Q.2	What are the causes of Earthquakes? How do you measure the size of the earthquake? Explain briefly.	10
Q.3	What are the causes and types of floods? Discuss the environmental effects of flooding.	10
Q.4	Describe the formation and classification of cyclones. How Tsunami arise in the sea? Explain briefly.	10
Q.5	What are the different types of physical, chemical and biological hazards? Discuss the threats of biological hazards.	10
Q.6	Explain the working conditions in mining industry and describe the occupational health hazards in mining industry.	10
Q.7	How do you understand about psychological hazards? What are the ways of controlling stress? Explain briefly.	10
Q.8	What are the characteristics of soil waste? How do you dispose the e-waste? Explain briefly.	10
Q.9	What is Disaster Management? What are the types of disaster? Describe the various Technological assistance for disaster management.	10
Q.10	Write short notes on any two of the following: a) GIS and Remote sensing b) Waste Management and Disposal c) Prevention of computer hazards	5+5

Assignment -5
(To be done **after** studying the course material)

Course Code: MEV-005
Course Title: Occupational Health and Safety
Assignment Code: MEV-005/TMA/2023
Maximum Marks: 100
Last Date of Submission: April 30, 2023

Note:

5. Attempt all questions. All questions carry equal marks.

Q.1	Define Health. What are the various dimensions of Health? Explain briefly.	10
Q.2	What do you understand about Environment Health? Discuss the impact of environmental hazards on human health.	10
Q.3	Define occupational health? Describe the plan of action for environmental and occupational health.	10
Q.4	What do you understand about industrial accident? What are the causes of accident? How do you take preventive measures for accidents and industrial hazards.	10
Q.5	What is First Aid? What are the components must include in the First Aid Box? How do you approach the snake bite for the treatment?	10
Q.6	What are the types of burn on the basis of cause and severity? How do you provide the First Aid for burns by fire for the human being? Explain briefly.	10
Q.7	Why the workers should participate in safety activities? Describe the elements & forms of participation.	10
Q.8	Define Cardio - Pulmonary Resuscitation (CPR). Explain the step by step procedure for CPR treatment.	10
Q.9	Explain the various occupational hazards and risks among child labour and women workers.	10
Q.10	Write short notes on any two of the following: a) Recording and Reporting b) Epidemiological Measures c) Cohort Study d) Data Analysis	5+5