

Assignments
Post Graduate Diploma in Industrial Safety Management
(PGDISM)
(Through Distance Education)

Session: 2016-17



Directorate of Distance Education
Guru Jambheshwar University of Science & Technology
Hisar

Compiled by

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Assignment-I

(15 Marks)

Course: Principles of Industrial Safety

Code: PGDISM-01

Important Instructions

Attempt all questions from the assignment given below. All questions are to be attempted in legible handwriting on plane white A 4 size papers and handed over/speed post for evaluation to the concern Directorate of Distance Education. Each question carries 5 marks and the total marks are 15.

1. How industrial safety is carried out in organizations? Elaborate its principles
2. Explain the evolution of the safety movements. How these have affected the industrial safety movement in India?
3. Explain the concept ergonomics in safety management. Illustrate the practices of managing ergonomics in any organization.

Assignment-II

(15 Marks)

Course: Principles of Industrial Safety

Code: PGDISM-01

Important Instructions

Attempt all questions from the assignment given below. All questions are to be attempted in legible handwriting on plane white A 4 size papers and handed over/ speed post for evaluation to the Directorate of Distance Education. Each question carries 5 marks and the total marks are 15.

1. “Industrial safety is related to environment safety” Justify the statement.
2. How ergonomics affects the performance of employees? Illustrate.
3. Explain various principles of industrial safety management in context of manufacturing units.

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DIRECTORATE OF DISTANCE EDUCATION

ASSIGNMENT-I

Programme : PGDISM

Session: 2016-17

Course: Industrial Toxicology, Environment Pollution and Occupational Health

Code: PGDISM-02

Total Marks=15

Important Instructions

Attempt all three questions from the assignment given below. All questions are to be attempted in legible handwriting on plain white A 4 size papers and handed over/ speed post for evaluation to the Directorate of Distance Education. Each question carries 5 marks and the total marks are 15.

1. What do you mean by occupational diseases? Discuss in brief the Medical and Environmental measures occupational Diseases.
2. Prepare a list of Industrial Toxicants. Discuss in brief the notifiable occupational diseases.
3. Define Air pollution. Briefly discuss the sources of air pollution and also discuss the types of air pollutants with their health impacts.

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DIRECTORATE OF DISTANCE EDUCATION

ASSIGNMENT-II

Programme : PGDISM

Session: 2016-17

Course: Industrial Toxicology, Environment Pollution and Occupational Health

Code: PGDISM-02

Total Marks=15

Important Instructions

Attempt all three questions from the assignment given below. All questions are to be attempted in legible handwriting on plane white A 4 size papers and handed over/ speed post for evaluation to the Directorate of Distance Education. Each question carries 5 marks and the total marks are 15.

1. What do you mean by occupational diseases? Discuss in brief the diseases caused by the occupational exposure to heavy metals.
2. What do you mean by occupational environment? How environmental stresses like noise, high altitude and high temperature affects the physiological functioning of human being.
3. Define water pollution. Briefly discuss the point and non-point sources of water pollution and also discuss the types of water pollutants.

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ASSIGNMENT-I

Programme : PGDISM

Session: 2016-17

Course: Industrial Hazards and Accidents

Code: PGDISM-03

Total Marks=15

Important Instructions

Attempt all three questions from the assignment given below. All questions are to be attempted in legible handwriting on plain white A 4 size papers and handed over/ speed post for evaluation to the Directorate of Distance Education. Each question carries 5 marks and the total marks are 15.

1. What do you mean by Hazards? Give brief description of general factors responsible for Industrial Hazards.
2. Discuss the types of interactions that occur in an industrial environment? Classify and explain the types of hazards associated with an industrial environment.
3. Specify the significance of personal protective equipment for an industrial worker. Identify and explain in brief the personal protective equipments required for noise, hazardous chemicals and biological agents and mechanical hazards.

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DIRECTORATE OF DISTANCE EDUCATION

ASSIGNMENT-II

Programme : PGDISM

Session: 2016-17

Course: Industrial Hazards and Accidents

Code: PGDISM-03

Total Marks=15

Important Instructions

Attempt all three questions from the assignment given below. All questions are to be attempted in legible handwriting on plain white A 4 size papers and handed over/ speed post for evaluation to the Directorate of Distance Education. Each question carries 5 marks and the total marks are 15.

1. Enlist the industrial hazards? Give brief description of fire hazards and their prevention and control.
2. Discuss the types of Hazards interactions occurs in industrial environment? Discuss the methods of safe transport of hazardous waste.
3. What is importance of personal protective equipment for industrial worker? Prepare a list of personal protective equipment for safety of lungs, head and eyes.

Assignment-I

(15 Marks)

Course: Safety Management and Organization

Code: PGDISM-04

Important Instructions

Attempt all questions from the assignment given below. All questions are to be attempted in legible handwriting on plane white A 4 size papers and handed over/ speed post for evaluation to the Directorate of Distance Education. Each question carries 5 marks and the total marks are 15.

1. “The functions of plant managers, foremen and supervisors for safety management are specific”. Justify this statement.
2. In small scale industrial unit, outline the procedure of planning for safety management.
3. Define industrial safety management. Discuss various approaches and principles of industrial safety management.

Assignment-II

(15 Marks)

Course: Safety Management and Organization

Code: PGDISM-04

Important Instructions

Attempt all questions from the assignment given below. All questions are to be attempted in legible handwriting on plane white A 4 size papers and handed over/ speed post for evaluation to the Directorate of Distance Education. Each question carries 5 marks and the total marks are 15.

1. How communication and safety management are correlated. Illustrate.
2. How control techniques are applied in safety management? Explain.
3. What are the various theories of motivation? Discuss their relevance to the field of safety management.

ASSIGNMENT-I

Programme: PGDISM

Course: Safety Statistics and Accidents Inspection

Code: PGDISM-05

Total Marks=15

Important Instructions

Attempt all three questions from the assignment given below. All questions are to be attempted in legible handwriting on plain white A 4 size papers and handed over/ speed post for evaluation to the Directorate of Distance Education. Each question carries 5 marks and the total marks are 15.

1. What is statistics? Discuss the importance and limitation of statistics. Define sample, parameter and statistics.
2. Discuss the measures of central tendency and dispersion.
3. What is test of significance? Discuss T-test and F-test with suitable examples.

ASSIGNMENT-II

Programme: PGDISM
Course: Safety Statistics and Accidents Inspection

Code: PGDISM-05

Total Marks=15

Important Instructions

Attempt all three questions from the assignment given below. All questions are to be attempted in legible handwriting on plain white A 4 size papers and handed over/ speed post for evaluation to the Directorate of Distance Education. Each question carries 5 marks and the total marks are 15.

1. What is a frequency distribution? Explain the diagrammatic and graphical representation of frequency distribution.
2. What is time series? Discuss the components of time series. Discuss the least square method of finding the trend.
3. Define random variable. Explain the types of probability distributions.

Assignment-I

(15 Marks)

Course: Safety Legislation

Code: PGDISM-06

Important Instructions

Attempt all questions from the assignment given below. All questions are to be attempted in legible handwriting on plain white A 4 size papers and handed over/ speed post for evaluation to the Directorate of Distance Education. Each question carries 5 marks and the total marks are 15.

1. Discuss in short the safety provisions of Boiler Act, 1923.
2. Explain the role of Director General in administration for Factories Act, 1923.
3. Discuss the role ILO in promoting the uniform safety standards.

Assignment-II

(15 Marks)

Course: Safety Legislation

Code: PGDISM-06

Important Instructions

Attempt all questions from the assignment given below. All questions are to be attempted in legible handwriting on plain white A 4 size papers and handed over/ speed post for evaluation to the Directorate of Distance Education. Each question carries 5 marks and the total marks are 15.

1. "Safety and health standards are complimentary". Justify the statement in the light of OSHA.
2. Discuss pertinent provisions of the Workmen's Compensation Act, 1923.
3. Critically appraise the rules and regulations related to safety in chemical industry.

Assignment-I

(15 Marks)

Course: Computer Application in Safety Management
Code: PGDISM-07

Important Instructions

Attempt all questions from the assignment given below. All questions are to be attempted in legible handwriting on plane white A 4 size papers and handed over/ speed post for evaluation to the Directorate of Distance Education. Each question carries 5 marks and the total marks are 15.

1. Explain the role of computers in industrial safety. Illustrate with some real life examples from industry.
2. What is meant by a database? Explain the need and application of DBMS industrial safety.
3. Why feasibility studies are done in industrial safety? Discuss the types and role of feasibility studies for safety purpose.

Assignment-II

(15 Marks)

Course: Computer Application in Safety Management
Code: PGDISM-07

Important Instructions

Attempt all questions from the assignment given below. All questions are to be attempted in legible handwriting on plain white A 4 size papers and handed over/speed post for evaluation to the Directorate of Distance Education. Each question carries 5 marks and the total marks are 15.

1. What are the evolving methodologies for the analysis, design and development of a helpdesk system?
2. Define spread sheet. Write its application for the organizations for the purpose of managing data related to safety.
3. Illustrate the principles for preparing effective presentation with the help of computers. Also explain some software programmes for ensuring industrial safety in organisation.