

GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR

CENTRE FOR DISTANCE AND ONLINE EDUCATION

Programme: Diploma in Industrial Health and Safety

Subject: Environmental Pollution Management

Code: IHS 201

Total Marks=30

Important Instructions:

Note: Attempt all questions from each assignment given below.

- i. Each assignment carries 15 marks.**
- ii. All questions are to be attempted in legible handwriting on plane white A-4 size paper and same is uploaded through login your account.**

Assignment I

- Q1. Explain Primary and Secondary treatment methods for the control of water pollution.
- Q2. Write note on Air Pollution Control devices for particulates like: Gravitational settling chambers, Wet collectors/scrubbers and Fabric filters etc.
- Q3. Enumerate and describe Air Pollution Control methods for the Gaseous pollutants like adsorption, absorption, condensation and combustion.
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Assignment II

- Q4. What is noise pollution? Explain noise pollution control measures using Barrier materials; Reactive Silencers; Active noise control methods etc.
- Q5. Explain various Sources and generation of solid wastes and their characterization.
- Q6. Write note on various Methods of disposal of Solid wastes, Sanitary Landfill, Composting and Incineration of solid wastes.

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CENTRE FOR DISTANCE AND ONLINE EDUCATION

Programme: Diploma in Industrial Health and Safety

Subject: Environmental Toxicology and Risk Assessment 2st Semester

Code: IHS-202

Important Instructions:

Total Marks=30

Attempt all questions from each assignment given below.

ii. Each assignment carries 15 marks.

iii. All questions are to be attempted in legible handwriting on plane white A-4 size paper and same is uploaded through login your account.

ASSIGNMENT- I

1. Define Environmental toxicology. Describe the mode of action of toxic substances.
2. Explain about biomagnification with suitable examples.
3. What is health risk assessment? Describe risk benefit analysis.

ASSIGNMENT- II

1. Describe various routes of toxicants in the human body.
2. Briefly explain the following:
 - a) Hepatotoxicity
 - b) Xenobiotics
3. Write short note on following:
 - a) Principles of Risk Management
 - b) Carcinogens

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CENTRE FOR DISTANCE AND ONLINE EDUCATION

Programme: DIPLOMA IN INDUSTRIAL HEALTH AND SAFETY

Subject: Fire Safety and Explosion Control (2nd Semester)

Code: IHS-203

Important Instructions:

Total Marks=30

Attempt all questions from each assignment given below.

ii. Each assignment carries 15 marks.

iii. All questions are to be attempted in legible handwriting on plane white A-4 size paper and same is uploaded through login your account.

ASSIGNMENT- I

1. What is fire and fire safety. Explain the general causes and classification of fire.
2. What is active and passive fire protection system of fire. Explain the various classes of fire.
3. Explain addressable and non-addressable fire detection system.

ASSIGNMENT- II

1. What is industrial fire protection system? Explain fire suppression system.
2. Discuss about hose, types and characteristics of hose.
3. What is chemical reaction. Distinguish between exothermic and endothermic reaction.

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CENTRE FOR DISTANCE AND ONLINE EDUCATION

Programme: DIPLOMA IN INDUSTRIAL HEALTH AND SAFETY

Subject: Chemical safety and control (2nd Semester)

Code: IHS-204

Important Instructions:

Total Marks=30

Attempt all questions from each assignment given below.

ii. Each assignment carries 15 marks.

iii. All questions are to be attempted in legible handwriting on plane white A-4 size paper and same is uploaded through login your account.

ASSIGNMENT- I

1. What are the sources and characteristics of explosives and flammable liquids?
2. Explain handling, storage labelling and transport of chemicals?
3. What is the different PPE used in chemical safety?

ASSIGNMENT- II

1. Write a note on Explosive rules, 2008?
2. Explain the concept of dose response relationship and threshold limit value?
3. What are the chemical hazards due to flammable gas and toxic release?

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CENTRE FOR DISTANCE AND ONLINE EDUCATION

Programme: DIPLOMA IN INDUSTRIAL HEALTH AND SAFETY

Subject: Hazardous Waste Management 2st Semester

Code: IHS-205

Important Instructions:

Total Marks=30

Attempt all questions from each assignment given below.

ii. Each assignment carries 15 marks.

iii. All questions are to be attempted in legible handwriting on plane white A-4 size paper and same is uploaded through login your account.

ASSIGNMENT- I

1. Define hazardous, biomedical and E-waste and write their classification.
2. Write a descriptive note on hazardous waste minimization techniques.
3. Explain transportation, storage and disposal of E-waste..

ASSIGNMENT- II

1. Write a note on characterisation & identification of E-waste.
2. Write short note on following:
 - a) Incineration
 - b) Pyrolysis and Gasification
3. Explain Hazardous waste (Management & Transboundary Movement) Rules 2016 .