

(DSFST 31)

ASSIGNMENT- 1
B.Sc. DEGREE EXAMINATION, MAY – 2018
Third Year
FIRE AND SAFETY
Safety & The Law
MAXIMUM MARKS-30
Answer ALL Questions

- Q1)* National Safety Council.
- Q2)* ILO recommendations in providing safety.
- Q3)* Fencing of machinery.
- Q4)* Essence of the Factories Act, 1948.
- Q5)* Gas cylinder.
- Q6)* Noise pollution.
- Q7)* Total disablement.
- Q8)* Chemical accident.

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ASSIGNMENT- 2
B.Sc. DEGREE EXAMINATION, MAY – 2018
Third Year
FIRE AND SAFETY
Safety & The Law
MAXIMUM MARKS-30
Answer ALL Questions

- Q1)** What is Health and Welfare? Define it. Also narrate its importance to workers in modern industrial plants.
- Q2)** Consolidate and present the provisions contained in various laws relating to employees' welfare.
- Q3)** What are the important safety provisions under Chapter – IV of the Factories Act., 1948.
- Q4)** Who is a worker under the Factories Act, 1948? Also state the rights of worker under this act.
- Q5)** Critically assess the powers and duties of The Employee State Insurance Corporation.
- Q6)** What do you mean by Contract Labour? Explain the important provisions of Contract Labour Act.
- Q7)** Point out the objectives of the Indian Explosives Act. Also state the achievements of this act.
- Q8)** Explain the important provisions relating to The Water (Prevention and Control) Act, 1974.



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ASSIGNMENT- 1
B.Sc. DEGREE EXAMINATION, MAY – 2018
Third Year
FIRE AND SAFETY
Safety Management
MAXIMUM MARKS-30
Answer ALL Questions

- Q1)* Objectives of Management.
- Q2)* Principles of safety management.
- Q3)* Effective safety policy.
- Q4)* Process of Safety planning.
- Q5)* Role of Safety Engineer.
- Q6)* Origin and evolution of National Safety Council.
- Q7)* Safety samples.
- Q8)* Comprehensive safety audit.

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ASSIGNMENT- 2
B.Sc. DEGREE EXAMINATION, MAY – 2018
Third Year
FIRE AND SAFETY
Safety Management
MAXIMUM MARKS-30
Answer ALL Questions

- Q1)* Define Management. Explain its importance and Characteristic features.
- Q2)* Explain the principles of Management given by Henry Fayol with suitable examples.
- Q3)* What is Safety Policy? Explain its various elements.
- Q4)* Define Communication. State its process. Also state the role of effective communication in Safety.
- Q5)* Clearly assess the role and responsibility of Safety Manager.
- Q6)* Explain the concept and rationality of domestic safety and training.
- Q7)* What is Safety audit? Explain various types of safety audits.
- Q8)* What is Safety Committee? Also state its basic structure and functions.



(DSFST 33)

ASSIGNMENT- 1
B.Sc. DEGREE EXAMINATION, MAY – 2018
Third Year
FIRE AND SAFETY
Safety in Chemical & Electrical Industry
MAXIMUM MARKS-30
Answer ALL Questions

Q1) Assessment of Vessels and test checks.

Q2) Safety measures in polymer plant.

Q3) Radio-active substance.

Q4) Corrosion and Erosion.

Q5) Routine Inspection.

Q6) Break Down Vs. Shut down.

Q7) How electricity causes injury?

Q8) Some dont's with electricity.

(DSFST 33)

ASSIGNMENT- 2
B.Sc. DEGREE EXAMINATION, MAY – 2018
Third Year
FIRE AND SAFETY
Safety in Chemical & Electrical Industry
MAXIMUM MARKS-30
Answer ALL Questions

- Q1)** What is Health Hazard? List a few potential health hazards faced by worker in a chemical industry.
- Q2)** “Chemical processing involves many operators”. How does proper instrumentation ensure safety operations.
- Q3)** Explain the process of Transfer of Chemicals by pipelines within and outside installation.
- Q4)** What is M S D S? What are the details found in MSDS?
- Q5)** Explain the causes and effect of an Electric shock? Also state some precautions to avoid electric accidents.
- Q6)** Elaborate on the safe practices in handling electrical equipments and the use of electrical safety equipment.
- Q7)** What is static electricity and Electric current? Also state how is static electricity differ from an electric current.
- Q8)** Explain the basic first aid that need to be given in case of electrical emergency.



(DSFST 34)

ASSIGNMENT- 1
B.Sc. DEGREE EXAMINATION, MAY – 2018
Third Year
FIRE AND SAFETY
Fundamentals of Disaster Management
MAXIMUM MARKS-30
Answer ALL Questions

- Q1)* Disaster prevention.
- Q2)* Rehabilitation.
- Q3)* Process of Vulnerability Analysis.
- Q4)* Impact of a cyclone.
- Q5)* Fundamentals of fire safety.
- Q6)* Hazard identification and assessment.
- Q7)* Preparedness planning for emergency responses.
- Q8)* Capacity buildings.

(DSFST 34)

ASSIGNMENT- 2
B.Sc. DEGREE EXAMINATION, MAY – 2018
Third Year
FIRE AND SAFETY
Fundamentals of Disaster Management
MAXIMUM MARKS-30
Answer ALL Questions

- Q1)* Discuss various phases of Disaster in Detail?
- Q2)* Explain the direct and indirect affect of Disasters.
- Q3)* State various types of Hazards? Also make classification of disasters.
- Q4)* What management programmes are available in India to reduce Disaster risk.
- Q5)* Explain the fundamental principles of fire safety.
- Q6)* Explain about the agencies which play a key role in Disaster Management.
- Q7)* How floods effect on Building? State the protective measures from damages to Buildings.
- Q8)* Discuss safe guards against fire risk.

