

**(DSFST31)**

**ASSIGNMENT-1**

**B.Sc. DEGREE EXAMINATION, MAY - 2019**

**(Examination at the end of the Third Year)**

**Third Year**

**FIRE AND SAFETY**

**Safety & The Law (Part - II)**

**MAXIMUM MARKS: 30**

**Answer ALL Questions**

- Q1)** Explain contribution of National Security Council.
- Q2)** Explain health provisions of factories Act – 1948.
- Q3)** Explain ESI. Act Rules in brief.
- Q4)** What do you understand by full and partial disablement?
- Q5)** Discuss India Explosive Act implications briefly.
- Q6)** Explain causes for Air Pollution.
- Q7)** Define Product Safety.
- Q8)** Define rights of workers under factories act – 1948.

**ASSIGNMENT-2**  
**B.Sc. DEGREE EXAMINATION, MAY - 2019**  
**(Examination at the end of the Third Year)**  
**Third Year**  
**FIRE AND SAFETY**  
**Safety & The Law (Part - II)**  
**MAXIMUM MARKS: 30**  
**Answer ALL Questions**

- Q1)** Explain the ILO convention and recommendations for safety, health and welfare in factories.
- Q2)** Explain the pollution control act and how it has been adopted in factories.
- Q3)** What are the precautions to be taken as per Petroleum Act with reference to transportation of petroleum products, construction of tankers, dyke wall construction?
- Q4)** Define workmen compensation. Explain rules and regulations of Workmen Compensation Act.
- Q5)** Explain welfare provisions of factories act, 1948.
- Q6)** Define Chemical Accidents. Explain the emergency preparedness and how to respond in case of Chemical Accidents.
- Q7)** Write in detail about the provisions of Indian Electricity Act.
- Q8)** Explain the rules and provisions of ESI Act.



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**B.Sc. DEGREE EXAMINATION, MAY - 2019**

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**Third Year**

**FIRE AND SAFETY**

**Safety Management (Part - II)**

**MAXIMUM MARKS: 30**

**Answer ALL Questions**

- Q1)* Define managerial responsibilities.
- Q2)* Explain procedure of planning for safety.
- Q3)* Explain the importance of leadership.
- Q4)* Define evaluation of training programmes.
- Q5)* Define the key elements of audit.
- Q6)* Discuss the role of safety management in industry.
- Q7)* Define Safety Policy.
- Q8)* Explain the role of Safety Officer.

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**ASSIGNMENT-2**

**B.Sc. DEGREE EXAMINATION, MAY - 2019**

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**Third Year**

**FIRE AND SAFETY**

**Safety Management (Part - II)**

**MAXIMUM MARKS: 30**

**Answer ALL Questions**

- Q1)** Explain principles of management.
- Q2)** Discuss the role of communication in management.
- Q3)** Explain the leadership methods.
- Q4)** Define training and explain different methods of training.
- Q5)** Explain the structure and functions of safety committee.
- Q6)** Explain about emergency planning and discuss its importance.
- Q7)** Discuss the need for motivation to the employees.
- Q8)** Explain nature and principles of organizing safety.



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**B.Sc. DEGREE EXAMINATION, MAY - 2019**

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**Third Year**

**FIRE AND SAFETY (Part - II)**

**Safety in Chemical & Electrical Industry**

**MAXIMUM MARKS: 30**

**Answer ALL Questions**

- Q1)** Define test checks.
- Q2)** Define toxicity index.
- Q3)** Define corrosion and erosion.
- Q4)** What is meant by radio active substance?
- Q5)** What is the procedure of start up?
- Q6)** What is the use of material safety data sheets?
- Q7)** Define safety value.
- Q8)** What is meant by static electricity?

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**ASSIGNMENT-2**

**B.Sc. DEGREE EXAMINATION, MAY - 2019**

**(Examination at the end of the Third Year)**

**Third Year**

**FIRE AND SAFETY (Part - II)**

**Safety in Chemical & Electrical Industry**

**MAXIMUM MARKS: 30**

**Answer ALL Questions**

- Q1)** Explain the Hazards and control measures of unit processes & operations.
- Q2)** Discuss the Inspection techniques for plants.
- Q3)** Explain the safety precautions to be taken while working on pipeline & hazards.
- Q4)** Discuss the precautions to be taken to avoid electrical accidents and causes.
- Q5)** Explain the main causes of fire in industry along with preventive measures.
- Q6)** Define electrical equipment. Explain the precautions to be taken in their selection.
- Q7)** Write short notes on the following:
- a) Over voltage.
  - b) Dow & mond.
- Q8)** Write short notes on the following:
- a) Overload and short circuit protection.
  - b) Electrical Equipment.



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**ASSIGNMENT-1**

**B.Sc. DEGREE EXAMINATION, MAY - 2019**

**Third Year**

**FIRE AND SAFETY**

**Fundamentals of Disaster Management**

**MAXIMUM MARKS: 30**

**Answer ALL Questions**

- Q1)* What are different types of environmental hazards?
- Q2)* Define disaster management.
- Q3)* Define disaster administration.
- Q4)* Define the code of disaster management.
- Q5)* Define disaster plans.
- Q6)* What is effective inter-agency?
- Q7)* What are post-disaster stages?
- Q8)* What is Hazardous risk?

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**ASSIGNMENT-2**  
**B.Sc. DEGREE EXAMINATION, MAY - 2019**

**Third Year**

**FIRE AND SAFETY**

**Fundamentals of Disaster Management**

**MAXIMUM MARKS: 30**

**Answer ALL Questions**

- Q1)* Explain briefly about the concept of hazards and disasters.
- Q2)* Write a note on man induced hazards briefly.
- Q3)* Explain role of State and Central Government in administrating disasters.
- Q4)* Explain the Disaster Risk Management programes in Indian Context.
- Q5)* Explain the principles of Mitigation and preparedness.
- Q6)* What are the hazardous effects of volcanic exceptions? Explain.
- Q7)* How the mitigation and perception of earthquake is done in India? Explain.
- Q8)* Explain the suitable approaches in plan management towards disasters.

