

**(DFISM21)**

**ASSIGNMENT 1**  
**M.B.A. DEGREE EXAMINATION, MAY – 2018**  
**(Second Year)**  
**FIRE & INDUSTRIAL SAFETY MANAGEMENT**

**Safety Management**

**Maximum Marks 30**

**Answer all questions**

- Q1)** Concept of safety
- Q2)** Communication
- Q3)** MIS
- Q4)** Assessment method
- Q5)** Values
- Q6)** Management grid
- Q7)** Scalar Chain
  
- Q8)** Explain Safety Management? How does safety effectiveness differ from safety efficiency?

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**ASSIGNMENT 2**  
**M.B.A. DEGREE EXAMINATION, MAY – 2018**  
**(Second Year)**  
**FIRE & INDUSTRIAL SAFETY MANAGEMENT**

**Safety Management**

**Maximum Marks 30**

**Answer all questions**

- Q1)** Define planning. Explain the steps in planning.
- Q2)** Explain the functions of safety officer.
- Q3)** Discuss different types of safety organization structure.
- Q4)** Describe the leadership styles in brief.
- Q5)** Define learning. Explain the principles of learning safety measures.
- Q6)** Explain the different methods of safety training.
- Q7)** Discuss the safety committee structure and functions
- Q8)** Explain the role and functions of safety department.



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**ASSIGNMENT 1  
MBA DEGREE EXAMINATION, MAY – 2018**

**Fire & Industrial Safety Management**

**Second Year**

**Safety Engineering**

**Maximum Marks 30**

**Answer all questions**

*Q1)* 5 s house keeping

*Q2)* Productivity

*Q3)* Radiant heat

*Q4)* Indian of heat steam

*Q5)* Vibration

*Q6)* Time study

*Q7)* Plant location

*Q8)* Road safety

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**ASSIGNMENT 2**  
**MBA DEGREE EXAMINATION, MAY – 2018**

**Fire & Industrial Safety Management**

**Second Year**

**Safety Engineering**

**Maximum Marks 30**

**Answer all questions**

- Q1)* Explain the steps in plant layout. What are the various merits and demerits of process layan.
- Q2)* Explain the tools of productivity that are used to attain higher productivity.
- Q3)* Explain the sources and types of lighting.
- Q4)* What is meant by control of radiant heat and explain its nature in detail.
- Q5)* Explain the effects of noise on man.
- Q6)* Discuss the physiology of heat regulations
- Q7)* Explain the way of measuring and evaluation of noise.
- Q8)* Explain how to improve safety and productivity through work place design.
- Q9)* What is meant by Hazard? What are the types of Hazards?



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**ASSIGNMENT 1**  
**MBA DEGREE EXAMINATION, MAY – 2018**  
**(Examination at the end of Second Year)**  
**Appraisal, Analysis, Inspection & Control Procedure**

**Maximum Marks 30**  
**Answer all questions**

- Q1)** Write short notes on :
- a) Work permit system
  - b) Fault tree analysis
  - c) Investigation
  - d) Occupational diseases
  - e) Permanent disablement
  - f) Industrial safety
  - g) First Aid
  - h) Need for inspection
- Q2)** What are the plant safety observations?
- Q3)** Explain the evaluation of risks in chemical process.
- Q4)** Discuss the different types of reports.
- Q5)** What are the principles to be followed in training the people?

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**ASSIGNMENT 2**  
**MBA DEGREE EXAMINATION, MAY – 2018**  
**(Examination at the end of Second Year)**  
**Appraisal, Analysis, Inspection & Control Procedure**

**Maximum Marks 30**  
**Answer all questions**

- Q1)* Explain the principles of investigation.
- Q2)* Discuss briefly the time changes schedules in workmens. Compensation Act1923.
- Q3)* What are the general rules to be followed during the process of first aid?
- Q4)* Explain the safety surreys in detail.
- Q5)* What are the reasons for heart attacks among workers? Suggest Preventive measures.



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**ASSIGNMENT 1  
MBA DEGREE EXAMINATION, MAY – 2018**

**Second Year**

**FIRE & INDUSTRIAL SAFETY MANAGEMENT**

**Industrial Hygiene & Occupational Health**

**Maximum Marks 30**

**Answer all questions**

- Q1)** Write short notes on :
- a) Counselling
  - b) Stress
  - c) Industrial Hygiene
  - d) Chemical hazards
  - e) Occupational diseases
  - f) Work capacity
  - g) Fatigue
  - h) Problem of Dust
- Q2)** Define Monitoring. What is the need for monitoring the occupational health?
- Q3)** Explain Osha act, 18001.
- Q4)** Define disease. Discuss different types of diseases.
- Q5)** Discuss the compensation and rehabilitation aspects of occupational diseases.

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**ASSIGNMENT 2  
MBA DEGREE EXAMINATION, MAY – 2018**

**Second Year**

**FIRE & INDUSTRIAL SAFETY MANAGEMENT**

**Industrial Hygiene & Occupational Health**

**Maximum Marks 30**

**Answer all questions**

- Q1)* Explain in detail the work physiology of a man.
- Q2)* Define Ergonomics. Discuss its components in detail
- Q3)* Name few diseases arising from dust and discuss its controlling measures.
- Q4)* Discuss the legal aspects related to control occupation diseases.
- Q5)* What is community health? How can it be improved?





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**ASSIGNMENT 1  
MBA DEGREE EXAMINATION, MAY – 2018**

**Second Year**

**Fire and Industrial Safety Management**

**Environmental Education**

**Maximum Marks 30**

**Answer all questions**

- Q1)* Scope of Environment Education
- Q2)* Water pollution
- Q3)* Deforestation
- Q4)* Global warming
- Q5)* Chemical precipitation
- Q6)* Ozone layer depletion
- Q7)* Air pollution
- Q8)* Environmental degradation
  
- Q9)* Explain the importance of Environmental education.

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**ASSIGNMENT 2**  
**MBA DEGREE EXAMINATION, MAY – 2018**

**Second Year**

**Fire and Industrial Safety Management**

**Environmental Education**

**Maximum Marks 30**

**Answer all questions**

*Q1)* What is the role of man in prevention of Environmental degradation?

*Q2)* What are the methods of waste water conservation?

*Q3)* What are the control methods of Air pollution?

*Q4)* What are the legal aspects of pollutions?

*Q5)* What is solid waste management? What are its disposal methods?

*Q6)* What is Air pollution? How it causes Acid rains?

*Q7)* Explain natural cycles of environment.

*Q8)* What do you know about the following aspects

- a) Sedimentation
- b) Photo chemical smog
- c) Land degradation



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**ASSIGNMENT 1**  
**MBA DEGREE EXAMINATION, MAY – 2018**

**Fire & Industrial Safety Management**

**Second Year**

**Production and Materials Management**

**Maximum Marks 30**

**Answer all questions**

**Q1)** Productivity

**Q2)** Templates

**Q3)** Time study

**Q4)** Inventory control

**Q5)** Purchasing research

**Q6)** Expediting

**Q7)** Break even analysis

**Q8)** Explain nature, scope and role of production department in an organization.

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**ASSIGNMENT 2**  
**MBA DEGREE EXAMINATION, MAY – 2018**  
**Fire & Industrial Safety Management**  
**Second Year**  
**Production and Materials Management**  
**Maximum Marks 30**  
**Answer all questions**

- Q1)* Explain different kinds of layouts with the help of an example.
- Q2)* Explain the stages in production planning and controlling.
- Q3)* Illustrate material managements and different types of maintenance.
- Q4)* Discuss the legal aspects of purchasing the raw material by the purchase department.
- Q5)* Explain continuous manufacturing system with respective production control mechanism.
- Q6)* Define scheduling and discuss different techniques of scheduling.
- Q7)* Explain aggregate planning and discuss the steps in aggregate capacity planning.
- Q8)* What factors are influencing make or Buy decisions in a manufacturing industry?



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**ASSIGNMENT 1**  
**M.B.A. DEGREE EXAMINATION, MAY – 2018**  
**Second Year**  
**FIRE & INDUSTRIAL SAFETY MANAGEMENT**  
**Safety in Chemical Industry**  
**Maximum Marks 30**  
**Answer all questions**

- Q1)* Storing and Handling
- Q2)* Hazards of chemicals
- Q3)* Material safety data sheets
- Q4)* Probability analysis
- Q5)* Inspection techniques
- Q6)* Control measures
- Q7)* Pressure vessels
- Q8)* Explain instrumentation for safe plant operations along with hazards in operation.

**(DFISM27)**

**ASSIGNMENT 2**  
**M.B.A. DEGREE EXAMINATION, MAY – 2018**  
**Second Year**  
**FIRE & INDUSTRIAL SAFETY MANAGEMENT**  
**Safety in Chemical Industry**  
**Maximum Marks 30**  
**Answer all questions**

- Q1)* Mention the safety precautions for transporting hazardous radio – active substances.
- Q2)* What is color coding and explain color coding identification of contents?
- Q3)* Explain the codes of practices that are governing the safety of pressure vessels.
- Q4)* Explain various inspection techniques for plants and Reaction vessels.
- Q5)* Explain the process of transfer of chemicals by pipelines within and outside installation.
- Q6)* What are the safety precautions that are to be followed on pipeline working?
- Q7)* Explain the procedure for start up and shut down.
- Q8)* Specify the safety measures for chemical industries.



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**ASSIGNMENT 1**  
**M.B.A. DEGREE EXAMINATION, MAY – 2018**  
**Second Year**  
**FIRE & INDUSTRIAL SAFETY MANAGEMENT**  
**Safety in Electrical Industry**  
**Maximum Marks 30**  
**Answer all questions**

*Q1)* Safety Valve

*Q2)* Voltage

*Q3)* Generator

*Q4)* Electrical wiring

*Q5)* Flame proof

*Q6)* Insulator

*Q7)* Conductor

*Q8)* Transformer

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**ASSIGNMENT 2**  
**M.B.A. DEGREE EXAMINATION, MAY – 2018**  
**Second Year**  
**FIRE & INDUSTRIAL SAFETY MANAGEMENT**  
**Safety in Electrical Industry**  
**Maximum Marks 30**  
**Answer all questions**

- Q1)* Briefly explain about Turbines.
- Q2)* Explain about Electrical wiring and Electrical equipment.
- Q3)* What are earth faults? Explain briefly.
- Q4)* Briefly explain about capacity and protection of conductors.
- Q5)* Explain about Static Electricity.
- Q6)* Describe about electrical short circuits and mention the three main causes of fire in Industry.
- Q7)* Explain the different personal protective equipments.
- Q8)* How do you prevent electrical fire accidents? Explain.
- Q9)* What is cutting of power and briefly explain about overload voltages and Transformer?

