

(DFISM21)

ASSIGNMENT- 1
M.B.A.DEGREEEXAMINATION, DEC- 2017
Second Year
FIRE & INDUSTRIAL SAFETY MANAGEMENT
Safety Management
MAXIMUM MARKS-30
Answer ALL Questions

- Q1)** Safety management.
- Q2)** Communication.
- Q3)** Emergency planning.
- Q4)** Training.
- Q5)** Motivation.
- Q6)** Safety committee.
- Q7)** Safety policy.
- Q8)** Safety education.
- Q9)** Define management. What are its principles?

(DFISM21)

ASSIGNMENT- 2
M.B.A.DEGREEEXAMINATION, DEC- 2017
Second Year
FIRE & INDUSTRIAL SAFETY MANAGEMENT
Safety Management
MAXIMUM MARKS-30
Answer ALL Questions

- Q1)** What is the procedure of planning for safety? What is its main purpose.
- Q2)** What is the nature and principles of organisation structure of safety?
- Q3)** Ellucidiate the various training methods and write a short note on each.
- Q4)**What are the procedures to be followed for a safety audit? What are its key elements?
- Q5)** Describe the types and importance of emergency planning.
- Q6)** Role of a safety officer in an organisation.
- Q7)** What is the importance of communication with respect to safety management.
- Q8)** Case Study.
SAFETY FIRST

Anil an young entrepreneur would like to start a major industry in one of the places of Andhra Pradesh. He is blessed with all resources to establish the industry unformating he is not aware of safety measures to be followed while establishing the industry. He has approached many people about safety measures, but he is not advised property. His nature of industry is a power industry.

Question : If you are appointed as a security office for his industry. What safety measures you would observe for the industry?

(DFISM22)

ASSIGNMENT- 1
MBA DEGREE EXAMINATION, DEC- 2017
FIRE& INDUSTRIAL SAFETYMANAGEMENT
Second Year
Safety Engineering
MAXIMUM MARKS-30
Answer ALL Questions

- Q1)** Plant layout.
- Q2)** Work place design.
- Q3)** Good illumination.
- Q4)** Insulation.
- Q5)** Silencers.
- Q6)** Rood safety.
- Q7)** Machine guarding.
- Q8)** Dilution ventilation.
- Q9)** Discuss about the 5s house keeping methods.

ASSIGNMENT- 2
MBA DEGREE EXAMINATION, DEC– 2017
FIRE& INDUSTRIAL SAFETYMANAGEMENT
Second Year
Safety Engineering
MAXIMUM MARKS-30
Answer ALL Questions

- Q1)** What is safe guarding machinery? What are its principles?
- Q2)** What is the purpose of lighting and discuss the advantages of illumination.
- Q3)** Whatdo you understand by ventilation? What is its main purpose?
- Q4)** What is the effect of noise on man? Describe about the measurement and evaluation of noise.
- Q5)** How can you improve safety and productivity through work design?
- Q6)** What are the minimum standards of illumination, its sources and types?
- Q7)** Write short notes on:
- a)** Vibration Damping.
 - b)** Chemical safety measures.
 - c)** Absorption.

Q8) Case Study.

NEED FOR SAFETY

Mr. Mohan would like to start a major industry in AP for which he needs guidance regarding the following important aspects.

- a) A good plant layout design.
- b) A good work place.
- c) A good ventilation.
- d) A good system of controlling heat.

Please note that he is interested in starting a power plant.

If you are given the opportunity of advising Mr. Mohan on the above, how would you proceed.

(DFISM23)

ASSIGNMENT- 1
M.B.A. DEGREE EXAMINATION, DECEMBER– 2017
Second Year
FIRE & INDUSTRIAL SAFETY MANAGEMENT
Appraisal, Analysis, Inspection & Control Procedures
MAXIMUM MARKS-30
Answer ALL Questions

- Q1)** Loss control.
- Q2)** HAZOP.
- Q3)** Investigation.
- Q4)** Severity rate
- Q5)** Puncture.
- Q6)** Chocking.
- Q7)** Incidence rate.
- Q8)** Safety audit.
- Q9)** Write about the plant and equipment safety appraisal techniques and its objectives.

(DFISM23)

ASSIGNMENT- 2
M.B.A. DEGREE EXAMINATION, DECEMBER– 2017
Second Year
FIRE & INDUSTRIAL SAFETY MANAGEMENT
Appraisal, Analysis, Inspection & Control Procedures
MAXIMUM MARKS-30
Answer ALL Questions

- Q1)** What are the various evaluation risks in chemical process? Discuss in detail.
- Q2)** Define investigation. What are the principles of investigation?
- Q3)** According to the Factories Act, 1948 discuss the various accidents reportable.
- Q4)** Define first Aid. What are its principles?
- Q5)** What do you mean by artificial respiration? What are its types & uses?
- Q6)** What are the time charges schedules in workmen's compensation Act and the Indian Standards.
- Q7)** What is the purpose of accident investigation? How do you identify its key factors?
- Q8)** Discuss in brief :
- a) External cardiac massage.
 - b) Partial vs total disablement.
 - c) Fault Free analysis.

(DFISM24)

ASSIGNMENT- 1
MBA DEGREE EXAMINATION, DEC- 2017
Second Year
FIRE & INDUSTRIAL SAFETY MANAGEMENT
Industrial Hygiene & Occupational Health Environmental Education
MAXIMUM MARKS-30
Answer ALL Questions

- Q1)* Concept of Occupational health.
- Q2)* Osha 18001.
- Q3)* Chemical hazards.
- Q4)* Rehabilitation .
- Q5)* Fatigue.
- Q6)* House keeping.
- Q7)* Balanced diet.
- Q8)* Biological hazards.
- Q9)* Mention some tips to improve occupational health.

(DFISM24)

ASSIGNMENT- 2
MBA DEGREE EXAMINATION, DEC- 2017
Second Year
FIRE & INDUSTRIAL SAFETY MANAGEMENT
Industrial Hygiene & Occupational Health Environmental Education
MAXIMUM MARKS-30
Answer ALL Questions

- Q1)** What do you mean by industrial hygiene? What is its importance in present day scenario?
- Q2)**What are the common diseases that arise at the work site related to occupation?
- Q3)**What are the legal aspects to control occupation related diseases in an enterprise ?
- Q4)** What do you understand by the concept of work physiology? What are the various allowances given in an Organization?
- Q5)** Explain the psychological effects on human beings due to occupational problems.
- Q6)** Discuss about the medical surveillance and the compensation given to the effected persons.
- Q7)**Explain the concept of ergonomics. Discuss the importance of yoga for a healthy and stressful life.
- Q8)**What are the fundamentals of occupational health? What is the need for occupational health and monitoring?

(DFISM25)

ASSIGNMENT- 1
MBA DEGREE EXAMINATION, DEC- 2017
Second Year
FIRE & INDUSTRIAL SAFETY MANAGEMENT
Production and Materials Management
MAXIMUM MARKS-30
Answer ALL Questions

- Q1)* Production function.
- Q2)* Breakdown time.
- Q3)* Scheduling.
- Q4)* MRP- Material requirement planning.
- Q5)* Make com buy.
- Q6)* Customs clearance.
- Q7)* Optimum crew size.
- Q8)* Work study.

(DFISM25)

ASSIGNMENT- 2
MBA DEGREE EXAMINATION, DEC- 2017
Second Year
FIRE & INDUSTRIAL SAFETY MANAGEMENT
Production and Materials Management
MAXIMUM MARKS-30
Answer ALL Questions

- Q1)** What do you mean by production? Explain types of production.
- Q2)** Explain the use of service facilities in physical layout.
- Q3)** Describe in brief the use of computers in PPC.
- Q4)** What do you mean by materials management? What are its objectives?
- Q5)** Explain the concept of vendor development. How is a vendor evaluated and rated?
- Q6)** Discuss the use of information systems and computers in material management.
- Q7)** Define maintenance and describe about preventive maintenance
Breakdown maintenance.
- Q8)** Write short notes on:
- a) GANTT charts.
 - b) Purchasing function.
 - c) Capital equipment buying.

(DFISM 26A)

ASSIGNMENT- 1
MBA DEGREE EXAMINATION, DECEMBER – 2017
Second Year
FIRE & INDUSTRIAL SAFETY MANAGEMENT
Safety in Chemical Industry
MAXIMUM MARKS-30
Answer ALL Questions

- Q1)** Write the factors influencing the effects of toxic materials.
- Q2)** Write the specific safety measures to be taken in fertilizer industries.
- Q3)** Write the precautions to be taken in transporting the explosives.
- Q4)** How the hazards can be controlled at the work places?
- Q5)** Write about the problems encountered in pressure vessels.
- Q6)** What are the safety precautions to be taken while working with radioactive substances?
- Q7)** How corrosion affects the chemical boilers?
- Q8)** Write the general causes for occurring fire in chemical industries.
- Q9)** Discuss the properties of pesticides and the hazards associated with pesticides.

(DFISM 26A)

ASSIGNMENT- 2
MBA DEGREE EXAMINATION, DECEMBER – 2017
Second Year
FIRE & INDUSTRIAL SAFETY MANAGEMENT
Safety in Chemical Industry
MAXIMUM MARKS-30
Answer ALL Questions

- Q1)** Discuss the process of unit operations in chemical industries.
- Q2)** Explain the problems and solutions encountered in the transfer of chemicals through pipelines.
- Q3)** Explain the shutdown procedure in case of emergency in petrochemical industry.
- Q4)** Write about the steps involved in the periodical inspection of Reaction Vessels.
- Q5)** Discuss the assessment of fire explosion and its consequences in alkali industries.
- Q6)** Explain the check list for routine inspection of various units in chemical industry.
- Q7)** Write about the colour coding identification of areas and contents in chemical industry.
- Q8)** Discuss the procedure in starting up of a chemical industry with a specific example. Write about the overall safety precautions to be followed in the industry.

(DFISM26B)

ASSIGNMENT- 1
M.B.A. DEGREE EXAMINATION, DEC– 2017
Second Year
FIRE & INDUSTRIAL SAFETY MANAGEMENT
Safety in Electrical Industry
MAXIMUM MARKS-30
Answer ALL Questions

- Q1)* Safety valve.
- Q2)* Overload.
- Q3)* Cable galleries.
- Q4)* Causes of fire in industry .
- Q5)* Insulation.
- Q6)* Transformer yard.
- Q7)* Fire station.
- Q8)* Short circuit.
- Q9)* List out some safety precautions to avoid electrical accidents.

(DFISM26B)

ASSIGNMENT- 2
M.B.A. DEGREE EXAMINATION, DEC- 2017
Second Year
FIRE & INDUSTRIAL SAFETY MANAGEMENT
Safety in Electrical Industry
MAXIMUM MARKS-30
Answer ALL Questions

- Q1)** Explain about the capacity and protection of conductors.
- Q2)** What is a thermal power plant? Discuss in detail.
- Q3)** List out some don't's with electricity.
- Q4)** What are the precautions to be taken while selecting an electrical equipment?
- Q5)** Suggest measures to protect high voltage.
- Q6)** Discuss the concept of electrical wiring and handling an electrical equipment.
- Q7)** Describe a portable electrical apparatus.
- Q8)** What is first aid ? List some precautions to use first aid.
- Q9)** Write short notes on :
- a) Generator.
 - b) 'Know-basic' first aid.
 - c) Earth fault protection.