

**DFISM01**

**ASSIGNMENT-1**  
**DIPLOMA DEGREE EXAMINATION, JUNE/JULY - 2020**  
**(First Year)**  
**FIRE & INDUSTRIAL SAFETY MANAGEMENT**  
**Principles of Management and Organizational Behaviour**  
**MAXIMUM MARKS: 30**  
**Answer ALL Questions**

- Q1)** Decision Making.
- Q2)** Leadership Style.
- Q3)** MORALE.
- Q4)** Organizational Behaviour.
- Q5)** Conflict Management.
- Q6)** Corporate Culture.
- Q7)** Learning.
- Q8)** Assessment.
- Q9)** Define Management. Explain the various functions of Management.
- Q10)** Define Motivation. Elaborate Maslow's hierarchy theory of motivation.

**ASSIGNMENT-2**  
**DIPLOMA DEGREE EXAMINATION, JUNE/JULY - 2020**  
**(First Year)**  
**FIRE & INDUSTRIAL SAFETY MANAGEMENT**  
**Principles of Management and Organizational Behaviour**  
**MAXIMUM MARKS: 30**  
**Answer ALL Questions**

- Q1)* Outline the advantages of Decentralisation of authority.
- Q2)* What is perception? Explain the process of perception.
- Q3)* What is ethics? Explain the need for following ethics in a business organization.
- Q4)* What is the meaning of the term personality? How can personality be developed? Explain.
- Q5)* What is organizational change? What factors are responsible for organizational change?
- Q6)* What is stress? How it can be managed? Explain.
- Q7)* What is organizational culture? Describe the factors influencing organizational culture.



**ASSIGNMENT-1**  
**DIPLOMA DEGREE EXAMINATION, JUNE/JULY - 2020**  
**FIRE & INDUSTRIAL SAFETY MANAGEMENT**  
**Industrial Safety & Safety in Construction Activities**  
**MAXIMUM MARKS: 30**  
**Answer ALL Questions**

- Q1)* Investigating.
- Q2)* Permit of work.
- Q3)* Construction safety.
- Q4)* Fork lifts.
- Q5)* Road safety.
- Q6)* Sand blasting.
- Q7)* Risk.
- Q8)* Safety concept.
- Q9)* What are the main objectives of safety policy?
- Q10)* Briefly explain about hazards involved in ladder constructions.

**ASSIGNMENT-2**  
**DIPLOMA DEGREE EXAMINATION, JUNE/JULY - 2020**  
**FIRE & INDUSTRIAL SAFETY MANAGEMENT**  
**Industrial Safety & Safety in Construction Activities**  
**MAXIMUM MARKS: 30**  
**Answer ALL Questions**

- Q1)** Outline the risks involved in scaffold erection.
- Q2)** Discuss in detail about reasons for and prevention of accidents.
- Q3)** Discuss about storage of compressed gas cylinders.
- Q4)** Examine the prerequisites of heavy vehicle movement.
- Q5)** Write in detail about MSDS handling for safety.
- Q6)** Write a note on electrical safety measures.
- Q7)** What are the statutory requirements as per Factory Act, 1948 for safety & health of workers in an industry?
- Q8)** What is scaffolding? Draw a neat sketch of stationary scaffold and name the parts.
- Q9)** Write note on HAZOP study.
- Q10)** What precautions would you take for handling paints & solvents? What risks are present in such activities?



**ASSIGNMENT-1**  
**DIPLOMA DEGREE EXAMINATION, JUNE/JULY - 2020**  
**FIRE & INDUSTRIAL SAFETY MANAGEMENT**  
**Marketing Management**  
**MAXIMUM MARKS: 30**  
**Answer ALL Questions**

- Q1)* Concept of Marketing.
- Q2)* Expert Opinion.
- Q3)* Dissonance Behaviour.
- Q4)* Copyrights and Patents.
- Q5)* Advertising.
- Q6)* Sales Force Management.
- Q7)* Distribution Network.
- Q8)* Target Marketing.
- Q9)* What is marketing? Explain the nature and significance of marketing?
- Q10)* What is market segmentation? Explain the bases of segmenting market.

**ASSIGNMENT-2**  
**DIPLOMA DEGREE EXAMINATION, JUNE/JULY - 2020**  
**FIRE & INDUSTRIAL SAFETY MANAGEMENT**  
**Marketing Management**  
**MAXIMUM MARKS: 30**  
**Answer ALL Questions**

- Q1)* Explain the Pricing strategies in detail.
- Q2)* Explain the purchase decision process.
- Q3)* Outline the tools of sales promotion.
- Q4)* Briefly explain about Direct Marketing.
- Q5)* Briefly explain about Retailing Strategy.
- Q6)* What is ethics? Explain the ethics in marketing.
- Q7)* What is Market Research? Explain the Marketing Research Process.



**ASSIGNMENT-1**  
**M.B.A. DEGREE EXAMINATION, JUNE/JULY - 2020**  
**(First Year)**  
**FIRE & INDUSTRIAL SAFETY MANAGEMENT**  
**Financial Management**  
**MAXIMUM MARKS: 30**  
**Answer ALL Questions**

**Q1)** Write short note on the following :

- a) Wealth Maximization.
- b) Stock Dividend.
- c) Hire Purchase.
- d) Net working Capital.
- e) Leveraged Lease.
- f) ABC Analysis.
- g) Rights Issue.
- h) Cost of Retained earnings.

**Q2)** State and Explain in brief the different goals of financial management?

**Q3)** Briefly explain the main sources of working capital?

**Q4)** Explain the following :

- a) Merges and acquisitions.
- b) Dividend payout ratio.
- c) Weighted average cost of capital.
- d) Flotation costs.

**Q5)** Find out the following the given details:

- a) Re-order level.
- b) Minimum level.
- c) Maximum Level.

Normal usage per day 500 units  
Minimum usage per day 400 units  
Maximum usage per day 550 units  
Economic Order quantity 2000 units  
Re-order period 15 to 20 days.

**Q6)** The following information is available in respect of a firm:

Capitalisation rate = 10%

Earnings per share = Rs.50

Assumed rate of return on investments:

a) 12%

b) 8%

c) 10%

Show the effect of dividend policy on market price of shares applying Walter's formula when dividend payout ratio is (i) 20% (ii) 40%.



**ASSIGNMENT-2**  
**M.B.A. DEGREE EXAMINATION, JUNE/JULY - 2020**  
**(First Year)**  
**FIRE & INDUSTRIAL SAFETY MANAGEMENT**  
**Financial Management**  
**MAXIMUM MARKS: 30**  
**Answer ALL Questions**

- Q1)** What are the determinants of optimum capital structure?
- Q2)** What do you mean by underwriting? Discuss the various forms of underwriting?
- Q3)** a) X Ltd. issues Rs.50,000 8% debentures at par. The tax rate applicable to the company is 50%. Compute the cost of debt capital.
- b) Y Ltd. issue Rs.50,000 8% debentures at premium of 10%. The tax rate applicable to the company is 60%. Compute cost of debt capital.
- c) A Ltd. issue Rs.50,000 8% debentures at a discount of 5%. The tax rate is 50%. compute the cost of debt capital.
- d) B Ltd. issue Rs.1,00,000 9% debentures at a premium of 10%. The cost of floatation are 2%. The tax rate applicable is 60%. Compute cost of debt-capital.

- Q4)** Initial Investment      Rs. 60,000  
 Life of the Asset      4 years  
 Estimated Net Annual Cash Flows:  
     1<sup>st</sup> Year 15,000  
     2<sup>nd</sup> Year 20,000  
     3<sup>rd</sup> Year 30,000  
     4<sup>th</sup> Year 20,000

Compute the internal rate of return and also advice the lessor about the leasing out decision if his expected minimum rate of return is 15%.

Year	1	2	3	4
P.V @14%	0.877	0.769	0.674	0.592
P.V @ 15%	0.869	0.743	0.657	0.571



**ASSIGNMENT-1**  
**DIPLOMA DEGREE EXAMINATION, JUNE/JULY - 2020**  
**FIRE & INDUSTRIAL SAFETY MANAGEMENT**  
**Fundamentals of Safety**  
**MAXIMUM MARKS: 30**  
**Answer ALL Questions**

- Q1)** Lockout
- Q2)** OSHA
- Q3)** Earthing
- Q4)** Barricading Standards
- Q5)** Static Electricity
- Q6)** Work permit Systems
- Q7)** Safety Officer
- Q8)** Accident prevention Measures
- Q9)** Explain the types of accidents.
- Q10)** Describe the various hazards associated with electricity.

**ASSIGNMENT-2**  
**DIPLOMA DEGREE EXAMINATION, JUNE/JULY - 2020**  
**FIRE & INDUSTRIAL SAFETY MANAGEMENT**  
**Fundamentals of Safety**  
**MAXIMUM MARKS: 30**  
**Answer ALL Questions**

- Q1)** What do you mean by PSM? Explain briefly.
- Q2)** What are the pre-requisites for selecting a PPE?
- Q3)** Explain different kinds of warning systems.
- Q4)** What are the different types of work permits?
- Q5)** What are the safety measures regarding electricity?
- Q6)** Write in detail about safety management systems being followed in an industry.
- Q7)** Discuss in detail about various warning systems which are very important in an industry.



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**M.B.A. DEGREE EXAMINATION, JUNE/JULY - 2020**  
**(First Year)**  
**FIRE & INDUSTRIAL SAFETY MANAGEMENT**  
**Safety and the Law**  
**MAXIMUM MARKS: 30**  
**Answer ALL Questions**

- Q1)* Product Safety.
- Q2)* Environment Protection Act.
- Q3)* Employer's Liability Act.
- Q4)* Definition of Factory.
- Q5)* Welfare.
- Q6)* Health.
- Q7)* Petroleum Act.
- Q8)* Air Pollution.
- Q9)* Explain important rules associated with the ESI Act.
- Q10)* Explain the health provisions under factories Act.

**ASSIGNMENT-2**  
**M.B.A. DEGREE EXAMINATION, JUNE/JULY - 2020**  
**(First Year)**  
**FIRE & INDUSTRIAL SAFETY MANAGEMENT**  
**Safety and the Law**  
**MAXIMUM MARKS: 30**  
**Answer ALL Questions**

- Q1)** Describe the statutory provisions on building and other constructive works.
- Q2)** What is the emergency preparedness, planning and response required in case of chemical accidents?
- Q3)** Explain about Indian explosive Act.
- Q4)** Explain the following:  
a) Contract labour Act.  
b) The water Act.
- Q5)** Explain about chapter - V - Welfare Provisions according to amendment.
- Q6)** Explain about the factories Act, in detail.
- Q7)** Describe the provisions of Noise Pollution Act.



**DFISM07**

**ASSIGNMENT-1**

**M.B.A. DEGREE EXAMINATION, JUNE/JULY - 2020**

**(First Year)**

**FIRE & INDUSTRIAL SAFETY MANAGEMENT**

**Fire Engineering**

**MAXIMUM MARKS: 30**

**Answer ALL Questions**

- Q1)** Fire
- Q2)** Fire Extinguishing
- Q3)** Foam
- Q4)** Ship Fire
- Q5)** Fire Hose
- Q6)** Fire Alarm System
- Q7)** Tank Cooling
- Q8)** Fire Pumps
- Q9)** How will you use first aid for burns? Explain.
- Q10)** Briefly explain about primers.

**ASSIGNMENT-2**  
**M.B.A. DEGREE EXAMINATION, JUNE/JULY - 2020**  
**(First Year)**  
**FIRE & INDUSTRIAL SAFETY MANAGEMENT**  
**Fire Engineering**  
**MAXIMUM MARKS: 30**  
**Answer ALL Questions**

- Q1)** Explain about different types of fires and extinguishment.
- Q2)** Explain about national codes on fire.
- Q3)** How do you prevent electrical and chemical fires? Explain.
- Q4)** What factors are influencing ideal location of a fire station? Write your answer as a fire officer by specifying your duties.
- Q5)** What are the different types of accidents taken place in an industry?
- Q6)** Explain the construction and working of a fire crash tender.
- Q7)** Describe the precautionary measures to be taken while handling and transporting flammable explosive materials.



**ASSIGNMENT-1**

**M.B.A. DEGREE EXAMINATION, JUNE/JULY - 2020**

**(First Year)**

**FIRE & INDUSTRIAL SAFETY MANAGEMENT**

**Safety in Construction Industry**

**MAXIMUM MARKS: 30**

**Answer ALL Questions**

- Q1)** Safety Means
- Q2)** Risk
- Q3)** Crane
- Q4)** Manual handling
- Q5)** Excavation
- Q6)** Fabrication Yard
- Q7)** Drilling
- Q8)** Chains
- Q9)** Explain about construction safety related to various types of workers.
- Q10)** Briefly write about types of power tools.



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**M.B.A. DEGREE EXAMINATION, JUNE/JULY - 2020**  
**(First Year)**  
**FIRE & INDUSTRIAL SAFETY MANAGEMENT**  
**Safety in Construction Industry**  
**MAXIMUM MARKS: 30**  
**Answer ALL Questions**

- Q1)** Explain the check lists for safe construction of industry.
- Q2)** Write about the safety measures followed while working with ladders.
- Q3)** Explain the process of concreting in the construction.
- Q4)** Explain the process of sand blasting.
- Q5)** Discuss the safe measures to be taken for working with drilling and gas cutting machines.
- Q6)** Explain the design and construction of various types of ladders.
- Q7)** What are the risks associated with hand tools? What safety practices should be taken while dealing with them?
- Q8)** Write short notes on the following:
- a) Cranes.
  - b) Transportation Safety.
  - c) Power Tools.

