## CBCS SCHEME

USN			18ME753	
	L_	Seventh Semester B.E. Degree	Examination, June/July 2024	
		Industria	l Safety	
Tin	ne: .	3 hrs.	Max. Marks: 100	
	Λ	Note: Answer any FIVE full questions, choos	sing ONE full question from each module.	
		Modu		
1	a.	Define the following terms as related to industrial safety:  i) Accident ii) Hazard iii) Slip iv) Fall (08 Marks)		
	b.		·	
	c.	Mention any four unsafe acts and unsafe conditions that lead to industrial acts. (04 Marks)		
		OF		
2	a.	_	A CONTRACTOR OF THE CONTRACTOR	
	h	i) Safety device ii) OSHA iii) MSDS iv) Road Safety v) WHO (10 Marks) Identify any four types of work place hazard in a process industry and explain briefly.		
	b.	(10 Marks)		
		<u>Modu</u>	<u>le-2</u>	
3	a.	3	(08 Marks)	
	b.	List the various types in classes of fire, their extinguishers and their working principles.  (08 Mar		
	c.	Briefly discuss the fire triangle.	(04 Marks)	
		OF		
4	a.	Explain the various types of fire detection and alarm system and justify its requirement in		
	h	fire protection and loss prevention. (10 Marks) Classify fire extinguishers, explain with a neat sketch carbon dioxide fire extinguishers.		
	b.	Classify the extinguishers, explain with a l	(10 Marks)	
		Modu	le-3	
5	a.	List and discuss safety measures to be followed while working with lathe machine tool.		
h. Discuss briefly with the halp of flaw short about storage handling and of		(10 Marks)		
	b.	Discuss briefly with the help of flow chart about storage, handling and decontamination plan for a waste drum of a hazardous substance. (10 Marks)		
		OI		
6	a.		us safety precautions to be taken for handling	
		materials with the help of Jib crane in industries. (10 M		
	b.		li in a fata ta ala	
		,	chine safety tools ety for welding (10 Marks)	
		, , , , , , , , , , , , , , , , , , , ,		
_		Modu		
<ul> <li>a. Explain the effect of electric current on human body with example</li> <li>b. Discuss various precautions to be taken in small and residential be</li> </ul>		Discuss various precautions to be taken in	small and residential building installations agains	
		Discuss various precautions to be taken in	oman and residential building mountations again	

electrical hazard.

c. List the various hazards of electricity.

(08 Marks)

(04 Marks)

## OR

8 a. Discuss various safety procedures and paper work to be enforced while commissioning operation and maintenance of electric installation in an electric plant. (10 Marks)

b. Explain the principles of unsafe acts and unsafe conditions behind electrical accident. Give an example. (10 Marks)

## Module-5

9 a. Discuss briefly about eye washers and showers used in industries.

(10 Marks)

b. Write a note on fire prevention safety audit in industries.

(10 Marks)

## OR

10 a. List the inspection criteria check list for piping in an LPG installation and explain (10 Marks)

b. Write an explanatory note on the safety precautions for the vehicular use of compressed natural gas. (10 Marks)

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