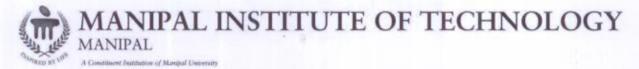
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VII SEMESTER B.TECH. (CHEM.ENGG) END SEMESTER EXAMINATIONS, DEC 2023

SUBJECT: Risk and safety Management in Process Industries
[CHE 4071]

REVISED CREDIT SYSTEM

Time: 3 Hours

MAX, MARKS: 50

Instructions to Candidates:

- Answer ALL the questions.
- Missing data may be suitable assumed.

1A.	Discuss the steps and tasks involved in core system safety process- CO1	4	
1B.	Explain the various types of risk assessments -CO2		
1C.	. Describe the phases associated with conventional safety program – CO1		
2A.	What are some things to be concerned about in selecting eye protecting equipment - CO4		
2B.	. Explain the general principles of Fault Tree Analysis – CO2		
2C.	. What rights does OSHA confer to employers- CO4		
3A.	Elaborate the provisions that should be made under Housekeeping so as to maintain the premises safe from hazards?- CO2		
3B.	Task and equipment characteristics are concerned with the degree of difficulty of performing an activity. Discuss – CO4		
3C.	Explain the relationship between fuel-air mixtures and flash pointCO1		
4A.	Elaborate hazard theory with water as an example-CO2	3	
4B.	Explain how chemicals should be stored so as to prevent and extinguish fire-CO1	4	
4C.	What is meant by "hold-off" system in connection with pressure vessels CO1	3	
5A.	Elucidate the details that can be acquired from health hazard section of MSDS -CO2		
5B.	Discuss the hazard reduction precedence program-CO2	3	
5C.	Describe the Seveso disaster and identify the Hazard causal factors of the disaster- CO3		

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