Total No. of Questions: 6

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Enrollment No.....



Faculty of Engineering End Sem Examination Dec-2023

FT3EL11

Safety in Petroleum & Petrochemical Industries
Programme: B.Tech. Branch/Specialisation: FT

Duration: 3 Hrs. Maximum Marks: 60

Note: All questions are compulsory. Internal choices, if any, are indicated. Answers of Q.1 (MCQs) should be written in full instead of only a, b, c or d. Assume suitable data if necessary. Notations and symbols have their usual meaning.

Q.1	i.	What is the main factor that determines the color of crude oil?	1		
		(a) Sulfur content (b) Carbon content			
		(c) Presence of metals (d) Impurities			
	ii.	Which of the following is a primary component of natural gas?			
		(a) Methane (b) Ethanol (c) Butane (d) Hexane			
iii	iii.	What does ADU stand for in the context of refining?	1		
		(a) Atmospheric Distillation Unit			
		(b) Advanced Desulfurization Unit			
		(c) Alkylation and Dehydrogenation Unit			
		(d) Acrylonitrile Dimerization Unit			
iv.	iv.	Hydro cracking is a process that combines:			
		(a) Hydrogenation and cracking			
		(b) Hydro treating and polymerization			
		(c) Hydrogenation and reforming			
		(d) Cracking and alkylation			
V.	Subsurface injection systems are used for:				
		(a) Fire detection			
		(b) Fire suppression in underground areas			
		(c) Gas leak detection			
		(d) Smoke evacuation			

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Q.2

industry.

[3]