B.TECH. SEM -VII (CHEMICAL 2014 COURSE (CBCS) : SUMMER - 2018

SUBJECT: ELECTIVE -III: PETROLEUM REFINERY ENGINEERING

Day: Date:	Monday 21/05/2018	S-2018-2462	Time: 02.30 PM TO 05.30 Max. Marks: 60
N.B.:	2) Figures	stions are COMPULSORY . to the right indicate FULL marks. e suitable data, if necessary.	
Q.1	Differetiate specification	between gasoline and diesel oilns,characteristics and applications.	l with respect to their (10)
		OR	
	Describe the industry.	e ASTM concept. Elaborate various colo	our codes used in petroleum (10)
Q.2	Discuss the	pre treatment processes of crude oil.	(10)
		OR	
	Discuss vac	uum distillation in detail . Draw process	flow diagram for the same. (10)
Q.3	Differentiate	e between thermal cracking and catalytic	c cracking. (10)
	OR		
	,	note on lyst used in Fluidized catalytic cracking ing process.	(10)
Q.4	Draw the hy	drocracking process flow diagram and e	elaborate the same. (10)
	OR		
	Analyze the	operating parameters affecting the hydr	ocracking process. (10)
Q.5	Draw the Iso	omerization process flow diagram and el	laborate in detail. (10)
	OR		
	Draw visbreaking process flow diagram and elaborate in detail.		
Q.6	Elaborate ne	ew trends in petroleum refinery industry.	. (10)
	OR		
	Give details	of control of air pollution in petroleum	refining industry. (10)

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