## 14/12/2024 CHEMICAL SEM-VII C SCHEME PRT (DLOC-IV) QP CODE: 10066648

[Time: 3 Hours] [Total Marks: 80]  N. B.: (1) Question No. 1 is Compulsory.			
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	(2)	Attempt any <b>THREE</b> questions out of remaining <b>FIVE</b> questions.	\$ A
	(3)	Figures to the <b>right</b> indicate <b>full</b> marks.	
	(4)	Make suitable assumptions wherever necessary.	
1.	Solve	All AT AT AT AT	[20]
	(a)	List and explain the classification of petroleum crude.	
	(b)	Write short notes on petroleum waxes.	
	(c)	Compare isomerization and reforming process.	
	(d)	Define- 1) Flash Point 2) Cloud Point	
	( )		
2.	(a)	Give the Expression of UOP characterization factor and it's significance	[10]
	405	also write short note on ASTM Distillation.	[10]
	(b)	Write a Short note on Delayed coking, and why the term delayed is use for	F1.03
		this process.	[10]
3.	(a)	Explain Duo-sol process in detail.	[10]
	(b)	Write short notes on the following	
		(i) Air-blowing bitumen process for asphalt (ii) Polymer gasoline	[10]
4.	(a)	Explain different arrangements of towers for crude oil refining	[10]
	(b)	Explain the Visbreaking process in detail.	[10]
5.	(a)	Describe the fluidized catalytic cracking (FCC) process with it's importance in	
		Refinery.	[10]
	(b)	Explain Merox Sweetening process for Gasoline	[10]
	(0)	Explain Metox 5 weetening process for Gasonne	[10]
6.	(a)	Explain Dehydration and desalting of crude in detail.	[10]
4	(b)	Explain Sulfuric acid alkylation process in detail and compare it with	- <b>-</b>
	S. S.	HF alkylation process	[10]
			- <b>-</b>

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