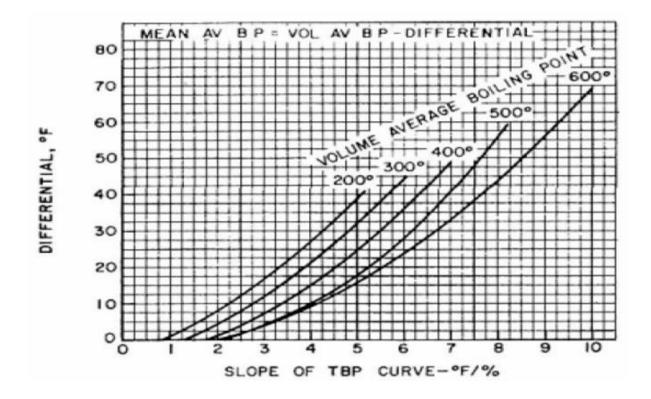
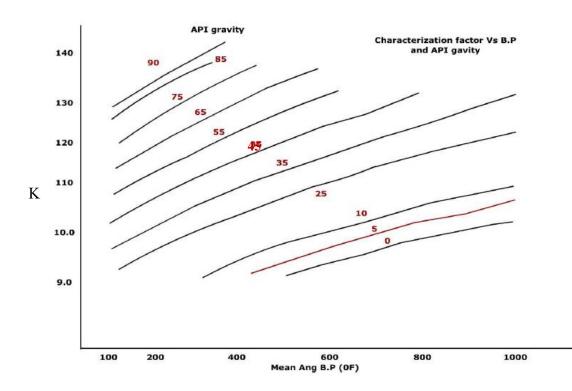
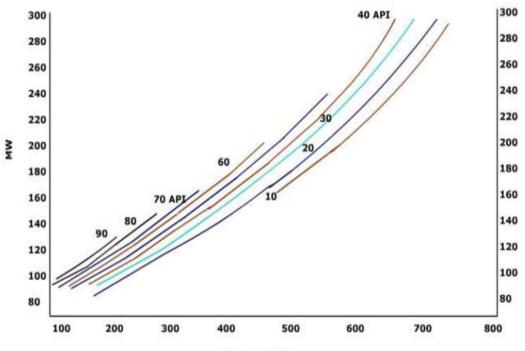
Name:												
Enrolment No:					UNIVERSITY WITH A PURPOSE							
Note: S.		TOVIDED I								Marks	СО	
No.												
Q 1	What are the major problems faced by Indian refining industry in global market?									10 M	CO1	
Q 2	Write short notes on the following:(a) Process of formation of petroleum(b) Refineries in India									(5+5) M	CO1	
Q 3	Define and discuss the importance of the following: (a) Flash point and Fire point (b) API gravity and Characterization factor									(5+5) M	CO2	
Q 4	Explain desalting of crude. Describe about two stage desalting process with neat sketch									10 M	CO3	
Q 5	What is the importance of cracking in refinery? Describe the process of hydrocracking in detail with suitable diagram?									10 M	CO4	
Q 6	Give the necessity of product blending. Explain in brief about the parameters to be considered in the octane number blending process.									10 M	CO5	
			SE	CTION	B (2X2	0=40M)						
07					nswer <u>an</u>	y one in	question <u>N</u>	<u>lo. 8</u>				
Q 7	Whole crude TBP data (API gravity 33)											
	Volume %	0	10	30	50	70	90	100				
	TBP temperature (°F)	270	310	420	450	490	540	630		20 M	CO2	
	Plot TBP and determine UOP characterization factor, average boiling point (VABP, MEABP), molecular weight and weight based on 100 barrels of whole crude											
Q 8	With a neat flow diagram, explain the fluid catalytic cracking process. And explain the effect of process variables on catalytic cracking? OR What are the different types of coking? Explain any one method of coking with a suitable diagram?									20 M	CO4	

Т







Mean Avg B.P.