V. P. & R. P. T. P. Science College
B.Sc. (Fifth Semester)
Thursday 3rd October, 2013
Subject code: US05CICV03 (Technology of Petroleum and Petroleum Products)
Industrial Chemistry(Vocational)

Total Marks: 30

Time: 03:30 am to 05:00 pm

Q-1		Select right option from given in the following questions.	(06)
	1	Girbotol process is used in crude oil for removal of	
		(a) Water (b) Salts (c) Sulphur (d) Nitrogen	
	11	Demulsification process is used in crude oil for removal of	
		Demulsification process is used in crude oil for removal of	
	111	For the removal of unreacted ammonia is used as scrubbing agent in the	
	4	production of HCN.	
		(a) H_2SO_4 (b) Water (c) Sodium carbonate (d) All of these	
	IV	Mitromethane is obtained from methane by	
	1 4	Nitromethane is obtained from methane by process. (a) Nitration (b) Oxidation (c) Sulphonation (d) Reduction	
	11	(a) Nitration (b) Oxidation (c) Sulphonation (d) Neddetion	
	V	The raw materials for mfg. vinyl acetate are	
		(a) Acetylene / Acetic acid (b) Benzene / ethylene	
		(c) Acetylene / ethylene (d) Nitro benzene/ methane	
	VI	The raw materials for mfg. styrene are	
		(a) Acetylene / Acetic acid (b) Benzene / ethylene	
		(c) Acetylene / ethylene (d) Nitro benzene/ methane	
Q-2		Answer any three of the following:	(06)
	ı	Write detail of carbide theory of petroleum formation.	(00)
	11	Name method used of demulsification of crude oil.	
	111	Explain the production of methanol by high pressure & low pressure synthesis from	
		Synthesis gas.	
	IV	Write a short note on properties & uses of HCN.	
	V	Give the outline of chemical obtained from C ₂ (ethane) fraction?	
	VI		
	VI	Write properties and uses of acrylonitrile.	
Q-3		Explain Theory of petroleum formation.	(06)
		OR CLIBRARY	
Q-3		Explain Demulsification & desalting process of crude oil.	(06)
		Liver services and the services of the service	(00)
0.4		VAGNE Also belies of flowed in succession between the successions of LICAL	(00)
Q-4		With the help of flow diagram explain the manufacturing of HCN.	(06)
		OR	
Q-4		Give an outline how important petrochemicals are obtained from methane.	(06)
C(Give all outline now important petrochemicals are obtained from methane.	(00)
			100:
Q-5		With the help of flow diagram explain manufacture and uses of styrene.	(06)
		OR	
0 =		Describe the present of property as of acceptance	(00)
Q-5		Describe the process of manufacture of acrylonitrile	(06)

ALL THE BEST