V.P. & R. P. T. P. SCIENCE COLLEGE

B. Sc. (Semester - V) Examination

INDUSTRIAL CHEMISTRY	PETROLEUM TECHOLOGY	
03/10/2013, Thursday	COURSE NO: US05CICH03	
TIME: 3.30 TO 5.00 PM.	TOTAL N	1ARKS - 30
Q.1 Answer the following MCQs:		(06)
(I) Demulsification process is used in crude oil for remove		
	d. None of these	
 (II) Gribotol process is used in crude oil for removal of a. water b. Sulphur c. Salts 	d. None of these	
(III) Ethylene glycol is prepared from oxidation and hydra		
a. Ethylene b. Propylene c. Acetylene d. Methane		P. Science
(IV) Saybolt's viscometer is used for determination of	2	1. 5
a. kinematic viscocity b. Aviline point	t of l	LIBRARY 16
c. carbon content d. Carbon cont	tent	2 1.
(V) The catalyst used in manufacture of HCN is		V.V.N390
a. Ag b. Pt c. Au	d. Cu	
(VI)is used in manufacture for unsaturated polyster a. Maleic anhydride b. HCN c. CS ₂	r manufacture. d. H_2O_2	
a. Maleic annyunde D. HCN C. CS2	u. п ₂ О ₂	
Q.2 Answer the following short questions (Any three)		(06)
(I) Explain signification of sulphur removal from crude oil.		· · /
(II) Name the various reactions taking place in catalytic cr		
(III) What are the different chemicals derive from propan		
(IV) What are the different chemicals derive from C_4 fract	ion.	
(V) Write uses of HCN and CS_2 in brief.		
(VI) Sketch the flow diagram of ethyl benzene manufactu	re using AICI ₃ catalyst.	
Q.3(a)Discuss the theory of petroleum formation in detail.		(03)
(b) Explain the composition of petroleum with suitable exa	mple.	(03)
OR		
Q.3(a)Discuss construction & working of bubble cap tray.		(03)
(b) Explain refining of light petroleum products.		(03)
Q.4 Explain the hypersorber methods of ethylene separation	from cracker gas.	(06)
OR		
Q.4 Write complete note on UDEX method for separation of a	romatic.	(06)
Q.5 Write short note manufacture of isopropyl benzene.		(06)
Q.5 Write short note manufacture of isopropyr benzene. OR		(00)
Q.5 Write short note on manufacture of caprolactum.		(06)