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Rol	I No.		Total No. of Pages : (	01	
Tot	al No. of Questions :	06			
N	,	tical Chemistry) (2017 & EUTICAL PROCESS C	, , ,		
		Subject Code : MPC-204T			
Tim	e : 3 Hrs.	M.Code: 74958	Max. Marks: 75	ax. Marks: 75	
INS1 1.	RUCTIONS TO CANDIDA	TES : tions out of SIX questions.			
2.	Each question carries	-			
1.	(a) Explain in details valid	dation of large-scale process.		(7.5)	
	(b) Define Impurity. Discu	uss different types and sources of	impurities.	(7.5)	
2.	(a) Discuss the azeotropic	distillation.		(5)	
	(b) Give the general method	ods for preparation of polymorphs	i.	(5)	
	(c) Differentiate between	process and vacuum filtration.		(5)	
3.	(a) Define Nitrating agent	s with examples. Explain kinetics	and mechanism of nitration.	(8)	
	(b) What is halogenation?	Mention case study on Industrial	halogenations process.	(7)	
4.	(a) Write a note on homog	genous and heterogeneous catalyst	L.	(5)	
	(b) Give general method f	or production of Penicillin.		(5)	
	(c) Mention characteristic	s of expedient routs.		(5)	
5.	(a) Write a detailed note of	on OHSAS-1800 and ISO-1400.		(10)	
	(b) What is effluent? Disc	uss its methods of management.		(5)	
6.	(a) Explain H2O2 and sodi	ium hypochlorate as oxidizing age	ents. Give suitable examples.	(5)	
	(b) Write a note on types	of fire and fire extinguishers.		(5)	
	(c) What is counter current	nt extraction?		(5)	

## NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

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