

YBC-15233

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B.Sc. (Part-I) Semester-II Examination INDUSTRIAL CHEMISTRY (R/V)

Time	: T	hree	Hours	5]		[Maximum Marks: 80
Note :— (1)			Question No. 1 is compulsory and carries 8 marks.			
		(2)	Rema	ining all six questions carry 12	ks each.	
		(3)	Use o	of scientific calculator is allowed		
		(4)) Draw diagram wherever necessary.			
1.	(A)	Fill in the blanks:				
		(i)	Adso	rption phenomenon occurs at	solid only.	
		(ii)	The c	f different components of a liquid mixture		
		(iii) Percolation of a liquid through a fixed bed of solid is called as				
	(iv) Vacuum crystallisation is used for sensi				sensitive materials. 2	
	(B)	Choose the correct alternatives :				
		(i)	(i) Kick's law is associated with this unit operation:			
			(a)	Screening	(b)	Mixing
			(c)	Size Reduction	(d)	Filtration
		(ii) Axial flow and radial flow are the types of :				es of:
			(a)	Impellers	(b)	Turbines
			(c)	Paddles	(d)	Propellers
60% 35			The dryer commonly used for getting material in the continuous sheet form such as paper and cloth is :			
			(a)	Tray dryer	(b)	Spray dryer
			(c)	Rotary dryer	(d)	Drum dryer
(iv) Which of the following statements is not tru					ot true in case of chemical adsorption ?	
			(a)	(a) Caused by Chemical bond formation		
			(b)	b) It is reversible		
			(c)	(c) Increases with increase in temperature		
			(d)	Forms unimolecular layer		2
YBC-	—15	233		I		(Contd.)

OR

4

4

(Contd.)

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(C) Discuss the characteristics of filter medium.

(B) Describe Trommel screens.

YBC-15233

4



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