Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

b. Fliami. – Servies I ex – IV • Examination – wintex • 2014					
Subject Code: 2240001			Date: 22-12-2014		
	Time	ect Name: Unit Operations-II : 02:30 pm - 05:30 pm ctions: 1. Attempt any five questions. 2. Make suitable assumptions wherever 3. Figures to the right indicate full mark			
Q.1	(a) (b) (c)	•		06 05 05	
Q.2	(a) (b) (c)	Write a note on perforated basket centrifuge. Define filter aid. Write ideal characteristics of filter aid used in filtration. Give difference between batch filtration and continuous filtration.		06 05 05	
Q.3	(a) (b) (c)	Explain working of fluidized bed dryer. A pharmaceutical industry. Explain drying rate curve. Which factors are to be considered for selections.		06 05 05	
Q.4	(a) (b) (c)	Write a note on tray dryer. Write Raoult's law and its limitation. Explain general parts of distiallator.		06 05 05	
Q.5	(a) (b) (c)	Write a note on Mc Cabe thiele method for Explain Duhring's law. Write a note on steam distillation.	r calculation of theoretical plates.	06 05 05	
Q. 6	(a) (b) (c)	Write a note on one evaporator which wor Explain factors affecting rate of evaporation Explain design of HVAC system.		06 05 05	

06

05

05

Write a note on drum dryer. Explain one equipment used for humidification process.

Explain two methods to determine humidity.

Q.7

(a)

(b)

(c)