Seat No.:		Enrolment No	Enrolment No	
		GUJARAT TECHNOLOGICAL UNIVERSITY		
		I. Pharm. – SEMESTER – I • EXAMINATION – WINTER • 2015		
Subje		ode: 910108 Date: 31-12-2015		
•		ame: Industrial Pharmacy - I		
Time: 10:30 am - 01:30 pm Total Marks: 80				
	Instructions:			
msuru		ttempt any five questions.		
		Take suitable assumptions wherever necessary.		
		igures to the right indicate full marks.		
	-	-9		
Q.1	(a)	Discuss the factors affecting the location of a pharmaceutical industry.	06	
	(b)	Describe HVAC in details.	05	
	(c)	Enlist the service facilities for a pharmaceutical industry and discuss	05	
		about water facilities in brief.		
Q.2	(a)	Describe qualitative and quantitative pharma departmental layout for	06	
		tablet dosage form.		
	(b)	Explain departmental layout for pharma liquid orals.	05	
	(c)	What points are to be considered while preparing layout for semisolids.	05	
Q.3	(a)	Describe rapid mixer granulator in details.	06	
	(b)	Classify the dryers used for a tablet department.	05	
	(c)	Write a not on: Chilsonator.	05	
Q.4	(a)	Explain BMR with suitable examples.	06	
	(b)	Write a not on BPR for tablet dosage forms.	05	
	(c)	Describe various parameters to be validated for sterilization of parenteral	05	
		dosage forms.		
Q.5	(a)	C	06	
	(b)	1	05	
	(c)	i. Enumerate the objectives of SOP giving suitable examples.	05	
		ii. Comment: Effluent treatment plant should be outside the pharma unit.		
Q. 6	(a)	Describe the requirements for pharma building and premises as per GMP.	06	
	(b)	· · ·	05	
	(c)	Write a note on: Product Recalls as per GMP.	05	
Q.7	(a)	Describe the specific requirements for manufacture of sterile products,	06	
	,	parenteral preparations and sterile ophthalmic preparations.		
	(b)		05	
	(c)	i. Enumerate the factors affecting the pharma equipment design.	05	
		ii. Enlist the minimum equipments required in manufacturing of any one dosage form.		
