GUJARAT TECHNOLOGICAL UNIVERSITY B.PHARM - SEMESTER-VIII EXAMINATION – WINTER -2022

Subject Code:BP814TT Date: 23/12/2					022	
Time Instru	e: 02: ctions		Tota	l Marks: 80		
2.	Mał	empt any five questions. se suitable assumptions wherever necessary. ares to the right indicate full marks.				
Q.1	(a) (b)	Describe Pharmaceutical Product development process w Classify types of solublizers. Discuss in detail about the pharmaceutical solublizers available in market.		hart.	06 05	
	(c)	Write a note on stability assessment of semisolid dosage	form.		05	
Q.2	(a) (b) (c)	Discuss quality control test of capsule dosage form. Explain in brief about excipients used for cream. Write a note on Emulsifying agent.			06 05 05	
Q.3	(a)	Enumerate different types of disintegrant. Discuss in brie Superdisintegrant.	f about		06	
	(b) (c)	What is QbD? Describe advantages and challenges of QbD approach. Enumerate different types of packaging materials. Discuss glass as a packaging material.			05 05	
Q.4	(a)	Enumerate ideal requirements of excipients used for Aer Propellant.	osol. Disc	cuss about	06	
	(b) (c)	Describe properties, types and applications of Cyclodextrins. Discuss use and applications of factorial design in product development.			05 05	
Q.5	(a) (b)				06 05	
	(c)	Write a note on Polyethylene glycols and Sorbitol's.			05	
Q. 6	(a) (b) (c)	Classify type of closures. Discuss quality control test of closures. Write a note on Enteric and Non Enteric coating excipients. Describe criteria for selection of excipients for parenteral dosage form.			06 05 05	
Q.7	(a)	Describe objectives of optimization techniques in Produc Explain various parameters of optimization techniques.	t develop	ment.	06	
	(b) (c)	Enlist directly compressible excipients. Explain any two is Write a note on excipients used for formulation of NDDS			05 05	
