	Enrollm	ent No: Exam Seat No:	_	
		C.U.SHAH UNIVERSITY		
	Winter Examination-2022			
	Subject	Name: Novel Drug Delivery System - Theory Code: BP704T Branch: B.Pharm		
	Semester	r: 7 Date: 24/11/2022 Time: 11:00 To 02:00 Marks: 75		
	Instruction	ons:		
	(2) I (3) I	Use of Programmable calculator & any other electronic instrument is prohibited. Instructions written on main answer book are strictly to be obeyed. Draw neat diagrams and figures (if necessary) at right places.  Assume suitable data if needed.		
Q-1		Elaborate the terms:	(20)	
<b>V</b> -	a)	Ion-exchange resin	(=0)	
	<b>b</b> )	Biodegradable polymers		
	<b>c</b> )	Penetration enhancer		
	<b>d</b> )	Nebulizer		
	<b>e</b> )	Niosomes,		
	<b>f</b> )	Monoclonal antibodies		
	g)	Maintenance dose		
	<b>h</b> )	Reservoir system  Metrix system		
	i) .j)	Matrix system pMDIs		
	J)			
Q-2		Attempt any two of following:	<b>(20)</b>	
	A	Discuss the factors to be considered in design of CRDDS	10	
	В	Enlist the preparation method of microencapsulation. Explain any two	10	
	C	preparation method in detail.	10	
	C	Explain the basic components of TDDS.	10	
Q-3		Attempt any Seven of following:	(35)	
	$\mathbf{A}$	Explain Diffusion control drug release in detail.	5	
	В	Explain Physical properties of polymers.	5	
	$\mathbf{C}$	Write a note on ocuserts.	5	
	D	Write a note on intra uterine devices (IUDs).	5	
	E	Discuss about high density GRDDS.	5	
	F	Write a note on Dry power inhalers.	5	
	G H	Write a note on Liposomes for Targeted drug delivery system.  Explain the theories of bioadhesion for muccoadhesive drug delivery system.	5 5	
	n I	Explain the theories of bioadhesion for muccoadhesive drug delivery system.  Explain the basic components of osmotic drug delivery system.	5 5	
	I	Explain the basic components of osmotic drug delivery system.	5	



Explain the basic components of osmotic drug delivery system.