C.U.SHAH UNIVERSITY Winter Examination-2022

Subject Name : Drug Delivery System

Subject Code : MPH102T Semester : 1 Date : 14/03/2023 Instructions:			Branch: M.Pharm (Pharmaceutics)		
			Time : 10:30 To 01:30 Marks		: 75
(2) (3)	Instr Drav	of Programmable calculator & any other e actions written on main answer book are a neat diagrams and figures (if necessary) me suitable data if needed.	strictly to be obeye	-	
Q-1		Attempt the following questions:			(20)
	a) b) c)	Explain Ultralente. Explain push-pull osmotic pump. Covaxin and Covishield are the type of	and	Vaccines	
	d)	respectively. What do you mean by PEGylation?		v acemes,	
	e) f) g)	Write four examples of protein drug delivery systems. What is the difference between controlled and sustained drug delivery? Give names of four polymers used for mucoadhesion.			
	h) i) j)	What do you mean by telepharmacy? What is floating lag time in case of GRE What do you mean by customized drug of			
Q-2	A	Write a note on Osmotically controlled drug delivery system with			(20) 10
	B C	example. Explain the barriers of protein drug delivery. Write a note on transdermal delivery of vaccine and therapeutic proteins.			10 10
Q-3	A	Attempt any Seven of following : List the evaluation parameters for bucca explain any three in details.	l drug delivery syst	tems and	(35) 5
	B C	Write about gas generating and Hydroge What do you mean by personalized med	•		5 5
	C D E	Write a note on factors affecting TDDS. Write a note on Bio responsive drug deli	-		5 5 5
	F	Explain the CDDS following dissolution and diffusion as combined5mechanism of drug release.5			
	G H I	Explain single shot vaccines. Write a note on penetration enhancers in Explain mechanically activated DDS.	n TDDS.		5 5 5

