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Enrol	ment	NO.	

## PARUL UNIVERSITY

## PARUL INSTITUTE OF PHARMACY

## B.PHARM EIGHTH SEMESTER · INTERNAL EXAMINATION: 2020-21

01.		NT	Dagage	Form	Docian
Subi	ect	Name:	Dosage	LOLIII	Design

Subject Code: 08101453

Time: 10.00 to 11.15 am

Date: 10/03/2021

Total Marks: 25

## **Instructions:**

- 1. Question 1 is compulsory
- 2. Attempt any 2 questions from Q.2 to Q.4
- 3. Make suitable assumptions wherever necessary.
- 4. Figures to the right indicate full marks.

Q.1	(a)	Write a note on factors affecting dissolution.	04
	(b)	Enlist different types of formulation additives used in the formulation of tablet with example of each.	03
	(c)	Draw the Plasma concentration Vs Time Profile for conventional, controlled and sustained drug delivery systems.	02
Q.2	(a)	Explain the concept of similarity and dissimilarity factors with equations.	03
	(b)	What are the advantages and disadvantages of controlled drug delivery system?	03
	(c)	Explain the Matrix and Reservoir systems.	02
Q.3	(a)	List out various types of dissolution apparatus as per pharmaceutical	05
		compendia and explained Type I and II in detailed.	
	(b)	What is the importance of dissolution study?	03
Q.4	(a)	Give various techniques for enhancement of solubility of drug. Explain any one in detail.	05
	(b)	Write in brief about Transdermal Drug Delivery System	03

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