GALGOTIAS UNIVERSITY

ADMISSION NUMBER												

School of Medical and Allied Sciences

Master of Pharmacy in Pharmaceutics
Mid Term Examination - Nov 2023

Duration : 90 Minutes
Max Marks : 30

Sem I - MPH102T - Drug Delivery System

General Instructions
Answer to the specific question asked
Draw neat, labelled diagrams wherever necessary
Approved data hand books are allowed subject to verification by the Invigilator

1)	What is the primary goal of sustained-release and controlled-release drug formulations?	K1	(2)
2)	Explain the difference between physicochemical and biological approaches for achieving controlled drug release.	K2	(2)
3)	Explain the activation process of a mechanically activated drug delivery system.	K2	(2)
4)	What are various factors that can influence the release of drugs from SR formulations?	K1	(2)
5)	Explain, how do osmotic-activated drug delivery systems control the release of drugs?	K2	(2)
6)	Identify the role of Pharmacogenetics in tailoring drug therapy for individual patients.	K3	(5)
7)	Analyze, how tele-pharmacy leverages technology to improve access to pharmaceutical services and patient care?	K4	(5)
	OR		
	Analyze the fundamental principles underlying Feedback Regulated Drug Delivery Systems. How do these systems differ from conventional drug delivery systems?	K4	(5)
8)	Classify Polymers into relevant categories based on their characteristics. Evaluate the impact of polymer-based drug delivery systems on the pharmaceutical industry and patient outcomes.	K5	(10)
	OR		
	Appraise a detailed note on mechanism on drug release from Sustained/Controlled release formulations.	K5	(10)