GALGOTIAS UNIVERSITY

ADMISSION NUMBER

School of Medical and Allied Sciences

Master of Pharmacy in Pharmaceutics
Semester End Examination - Jun 2024

Duration : 180 Minutes
Max Marks : 75

Sem II - MPC203T - Computer Aided Drug Design

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)	Demonstrate partition coefficient.	K2(2)
2)	Demonstrate molecular dynamics.	K2(2)
3)	Recall molecular docking.	K1(2)
4)	Demonstrate pharmacokinetics with example.	K2(2)
5)	Recall the PDB with example.	K1(2)
6)	Demonstrate the Hammett equation with their application.	K2(2)
7)	Recall the term active site identification.	K1(2)
8)	Demonstrate receptor surface analysis	K2(2)
9)	Recall the term clinical trials.	K1(2)
10)	Recall in-silico screening.	K1(2)
11)	Apply the knowledge on methods for virtual screening of compounds.	K3(5)
	OR	
	Apply the knowledge on rationale for QSAR analysis.	K3(5)
12)	Apply the knowledge on drug discovery & development.	K3(5)
13)	Examine global minimum conformation with example.	K4(5)
14)	Apply the knowledge on Receptor/enzyme-interaction.	K3(5)
15)	Examine Hammett equation with their application.	K4(5)
16)	Simplify drug receptor interactions with examples.	K4(5)
	OR	
	Simplify the importance of statistical parameters.	K4(5)
17)	Examine the types of in-silico drug design.	K4(5)
18)	Discuss the basic steps involved in drug design.	K6(10)
19)	Asses the various application of pharmacophore in drug design.	K5(10)
	OR	
	Asses the structural classification of protein.	K5(10)