GALGOTIAS UNIVERSITY

ADMISSION NUMBER

School of Medical and Allied Sciences

Bachelor of Pharmacy
Semester End Examination - Jun 2024

Duration : 180 Minutes
Max Marks : 75

Sem IV - BP402T- BPHT4002 - Medicinal Chemistry I

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)	Contrast the predicting the functional components of cavities.	K2(2)
2)	Outline the receptor enzyme cavity size prediction.	K2(2)
3)	Show the structure and use of chlorpromazine.	K1(2)
4)	Summarize the beta adrenergic blockers.	K2(2)
5)	Show the structure and use of Diazepam.	K1(2)
6)	Show the structure of carbachol.	K2(2)
7)	What is the bioisosterism?	K1(2)
8)	Explain any two alpha-adrenergic blockers.	K2(2)
9)	Recall the structure of Haloperidol.	K1(2)
10)	What is the role of solubility in pharmacological action.	K1(2)
11)	Organize the SAR and MOA of anticonvulsants agents.	K3(5)
	OR	
	Identify the dissociative anesthetics with example.	K3(5)
12)	Identify the various reaction involved in Phase II metabolism.	K3(5)
13)	Classify the dissociative anesthetics and synthesis of ketamine hydrochloride.	K4(5)
14)	Identify the factor influencing metabolism.	K3(5)
15)	Contrast the SAR of cholinolytics with suitable examples.	K4(5)
16)	Classify Cholinesterase inhibitors with example	K4(5)
	OR	
	Simplify the synthesis of phenyephrine and propranolol.	K4(5)
17)	Examine the De novo drug design.	K4(5)
18)	Choose the adrenergic antagonist and draw at least one structure	K6(10)

from each category.

19)	Evaluate the SAR of benzodiazepine and phenothiazine and its application.	K5(10)
	OR	
	Conclude the cholinergic blocking agents SAR of cholinolytic agents.	K5(10)