

School of Medical and Allied Sciences

Pharmacy
ETE - Jun 2023

Time : 3 Hours

Marks : 75

Sem IV - BP402T / BPHT4002

Medicinal Chemistry I Theory

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

1. What is the structure of Pilocarpine? K1 CO3 (2)
2. Demonstrate the MOA of General anesthetics. K2 CO5 (2)
3. Show the structure and use of chlorpromazine. K2 CO4 (2)
4. List the factors affecting drug metabolism. K1 CO1 (2)
5. Outline the term isomerism. K2 CO1 (2)
6. Spell NSAID. K1 CO5 (2)
7. Interpret the use and structure of Neostigmine. K2 CO3 (2)
8. Show the structure of any one beta-adrenergic blockers. K1 CO2 (2)
9. Explain beta adrenoreceptor. K2 CO2 (2)
10. Recall the use of Phenobarbitone. K1 CO4 (2)
- 11) Identify the factor influencing metabolism. K3 CO1 (5)

OR

- Construct a note on hydrogen bonding. K3 CO1 (5)
12. Identify the SAR of cholinergic drugs. K3 CO3 (5)
 13. Identify the SAR of catecholamines. K3 CO2 (5)
 14. Categorize adrenergic agonists. K4 CO2 (5)

OR

- Categorize adrenergic blockers.
15. Examine the role of solubility and partition coefficient in pharmacological action. K4 CO1 (5)
 - 16) Classify cholinomimetics drugs. K4 CO3 (5)

OR

- Categories cholinolytics agents. K4 CO3 (5)
17. Elaborate the enzymes in details. K6 CO6 (5)
 18. Evaluate the different classes of Anti-convulsant drugs. Interpret the synthesis of phenytoin. K5 CO4 (10)
 - 19) Elaborate the term NSAID's. Classify them with suitable examples. K6 CO5 (10)

OR

- Build the SAR of morphine analogs with suitable examples. K6 CO5 (10)