

School of Medical and Allied Sciences

Pharmacy
ETE - Jun 2023

Time : 3 Hours

Marks : 75

Sem II - BP202T/ BPHT2002

Pharmaceutical Organic Chemistry I Theory

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

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| 1. | Recall the structure of Cinnamaldehyde. | K1 CO4 (2) |
| 2. | Relate SP ³ hybridization in alkanes. | K1 CO2 (2) |
| 3. | Summarize heterocyclic compound with examples. | K2 CO1 (2) |
| 4. | Enumerate the full form of IUPAC. | K1 CO1 (2) |
| 5. | List the uses of Propylene glycol. | K1 CO3 (2) |
| 6. | Demonstrate the order of reactivity of alkyl halides. | K2 CO2 (2) |
| 7. | Demonstrate electromeric effect. | K2 CO4 (2) |
| 8. | List the uses of Salicylic acid. | K1 CO5 (2) |
| 9. | Demonstrate the structure of ethyl chloride. | K2 CO3 (2) |
| 10. | Illustrate the structure of Acetic acid. | K2 CO5 (2) |
| 11. | Organize the metamerism with example. | K3 CO1 (5) |

OR

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| | Construct the structure of 3-methyl hexane. | K3 CO1 (5) |
| 12. | Illustrate halogenation reaction of alkane. | K3 CO2 (5) |
| 13. | Identify the factors affecting SN ₁ and SN ₂ reactions. | K3 CO3 (5) |
| 14. | Compare E ₁ versus E ₂ reaction.
OR
Analyze Ozonolysis reaction. | K4 CO2 (5) |
| 15. | Analyze the classification of organic compounds. | K4 CO1 (5) |
| 16. | Inspect the structure and uses of trichloroethylene. | K4 CO3 (5) |

OR

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| | Examine the structure and uses of tetrachloroethylene. | K4 CO3 (5) |
| 17. | Elaborate the recent discoveries in atmospheric organic chemistry. | K6 CO6 (5) |
| 18. | Estimate the Benzoin condensation with mechanism and synthetic application. | K5 CO4 (10) |
| 19. | Discuss the qualitative test for ester and aliphatic amines. | K6 CO5 (10) |

OR

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| | Elaborate the acidity of carboxylic acids. | K6 CO5 (10) |
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