QP Code: 222006	Reg. No
Second Semester B. Pharm Degree Supplementary Examinations January 2022	
Pharmaceutical Organic Chemistry I	
(2017 Scheme)	
 Time: 3 Hours Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space Answer all parts of a single question together • Leave sufficient space between answers Draw table/diagrams/flow charts wherever necessary 	
Essays	(2x10=20)
 Discuss SN₁ and SN₂ reactions with the mechanism. 	help of suitable examples and discuss its
2. Explain any four methods of preparation	of alkenes. Add a note on E ₁ reactions.
Short Notes (7x5=35)	
Explain the mechanism of electrophilic a examples.	ddition reactions of alkenes with any two
4. Summarize the qualitative analysis of primary secondary and tertiary amines.	
5. Describe the mechanism of Diel-Alder reaction.6. What are carbocations. Explain the stability of carbocations with suitable examples.	
7. Explain the following: Cannizzaro reactions. B. Explain the structural isomerism. Dra	
containing the group o ll _c_o_	
Outline any four methods for the prepara	ition of aldehydes.
Answer Briefly	(10x2=20)
 10. Electromeric effect 11. SP³ hybridization 12. Ozonolysis 13. Perkin condensation 14. Tollens' reagent and its importance. 15. Structure and uses of methyl salicylate at 16. Mention any one qualitative test for amid 17. Alkenes are more reactive than alkanes 	e and carboxylic acid.

18. Medicinal uses of iodoform and amphetamine