

Code No. 4038

FACULTY

B. Pharmacy 2/4 I - Semester (Main) Examination, October 2016

Subject: Pharmaceutical Oranic Chemistry - I

Time: 3 Hrs	Ma	x.Marks: 70
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Note: Answer all questions. All questions carry equal marks.

1	,	Explain the enery diarams of reactants and products durin the crse of reaction. Write a note on followin:	
	-,	i) Hybridization ii) Meltin point iii) Boilin point OR	9
		Add a note on polarity of molecules. Define the terms with examples	5
	,	i) Inductive effect ii) Cis trans isomerism iii) Resonance	9
2	,	Discuss the free radical mechanism for the chlorination of methane. Write any fr methods of preparation of alkanes. OR	7 7
		Discuss the importance of Bayer's strain theory. Explain the reactions of alkenes.	7 7
3		How do y prepare ethers by Williamsons synthesis? Write a note on Sayetzaff's rule. OR	7 7
		Discuss abt mechanism of nucleophillic substitution reactions. Write any two methods for synthesis of alcohols.	7 7
4		Write the eneral reactions of carbonyl compnds. Write any two methods of preparation of aldehydes. OR	7 7
		Discuss the reactivity and applications of malonic acid ester. Write any two methods of synthesis of carboxylic acids.	7 7
5		Write any two methods for synthesis of nitroalkanes. Write a note on aryldiazonium salts. OR	7 7
	,	Write a note on basicity of amines. How do y differentiate between primary, secondary and tertiary amines with	6
	u)	chemical reactions?	8
