ORGANIC CHEMISTRY - II

Semester - 1

Time Allowed : 3 Hours] [Maximum Marks			5
Note:		Candidates are required to attempt two questions each from Section A and B and the entire	<u>.</u>
		Section C consisting of 5 short answer type questions carrying 2 marks each.	•
		Section - A	
1	(a)	State Huckel' rule of Aromaticity.	
	(b) ·	O-nitrophenol has low melting point than P-nitrophenol, Exphin.	
	(c)	Explain Electromeric effect with examples.	2
2.	(a)	What are free Radicals? Explain why tert-butyl free radical ismore stable than isopropy free radical	1
	(b)	Assign formal charge on methyl carbocation and methyl carbanion using average electron theory.	2
3.	(a)	What do you understand by electrophilic addition and nucleophilic addition reactions Give examples.	?
4.	(b) (a)	How does isotopic labelling help in predicting mechanism of a fraction? 2, Discuss Wurtz reaction for preparation of alkanes. What are its limitations?	2
55-55	(b)	Discuss relative reactivity of halogens with alkanes in halogenaton reactions. 2,	2
5.	(a) ·	Explain:	
		(i) Ring strain in cyclopropane and cyclobutane.	

