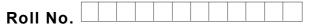
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Total No. of Pages : 01

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M.Pharma(Pharmaceutical Chemistry) (2017 & Onwards) (Sem.-1) **ADVANCED ORGANIC CHEMISTRY-I** Subject Code : MPC-102T M.Code: 74664

Time: 3 Hrs.

Max. Marks: 75

INSTRUCTIONS TO CANDIDATES :

- 1. Attempt any FIVE questions out of SIX questions.
- 2. Each question carries FIFTEEN marks.

1.	a. Structure stability and stereochemistry of free radicals.	2.5
	b. Name two protecting agents used for protection of carboxyl group and mechanism.	their 2.5
	c. Knorr Pyrazole synthesis.	
	d. Prochlorperazine synthesis and its therapeutic class.	5
2.	Name different synthetic reagents and discuss in detail the application of any details.	two in 15
3.	Outline the two mechanisms for nucleophilic unimolecular and bimolecular react details. Discuss the various factor effecting the kinetics and stereochemistry of SN evidences.	
4.	Elaborate the mechanisms and two applications of :	
	Dieckmann reaction	7.5
	Baeyer-Villiger reaction	7.5
5.	Give a detailed account of the two mechanisms for elimination reaction in or Discuss the various factor effecting the kinetics and stereochemistry of E evidences.	
6.	Explain in detail the different synthetic strategies for compounds with three, four a member ring.	nd five 15

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

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