Roll No.:	
[Total No.	of Printed Pages: 1

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W-3271

M.Sc. (Fourth Semester) Examination, June-2020 CHEMISTRY

Paper - MCH-607

Physical Organic Chemistry

Time: Three Hours

Maximum Marks: 85

Minimum Pass Marks: 29

Note: Attempt all questions.

	Unit-I	
Q.1.	Discuss Huckel molecular orbital method as a mean to explain treatical methods.	17
	Unit-II	
Q.2.	Write notes on:	17
	i) Molecular orbitals of allyl and butadiene system.	
	ii) Aromaticity	
	Unit-III	
Q.3.	Discuss the following:	17
	i) Hammond's postulates.	
	ii) Theory of isotope effect.	
	Unit-IV	
Q.4.	Explain acidity functions and their applications.	17
	Unit-V	
Q.5.	Discuss the following:	17
	i) Structural and electronic effect on SN¹ and SN² reactions.	
	ii) Electrophilic reactivity.	

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