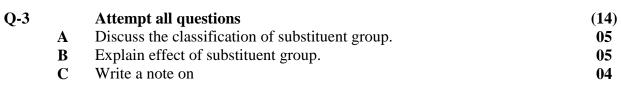
Enrollment M		Exam Seat No: UNIVERSITY mination-2022	
Subject Nam	e: Organic Chemistry - I	IIIIIauvii-2022	
-	e: 4SC03OCH1	Branch: B.Sc. (Chemistr	w)
Semester: 3	Date: 22/11/2022	Time: 11:00 To 02:00	Marks: 70
(2) Instru (3) Draw	of Programmable calculator & any actions written on main answer by neat diagrams and figures (if near me suitable data if needed.	ook are strictly to be obeyed.	prohibited.
Q-1	Attempt the following question	ns:	(14)
b) c) d) e) f) g) h) i) j) k) l) m)	Define bond. Define Hybridization. Write the name of any two stron What is conjugation. Write the full name of IUPAC. Define heterocyclic chemistry. Define carboxylic chemistry. Draw the structure of pyrrole. Define condensation. What do you mean by hydrolysis Draw the structure of thiophene. Write the name of two primary a Draw the reaction Nitrobenzene What is electrophilic reaction? four questions from Q-2 to Q-8 Attempt all questions Discuss the Huckel's rule. Discuss the stability of carbocati Write a note on a) Inductive effect b) Resonance effect	s. amines. from Benzene.	(14) 05 05 05 04





		a) Friedal-crafts alkylationb) Acylation	
Q-4	•	Attempt all questions	(14)
	A B	Discuss Hell Volhard Zelinsky reaction with mechanism.	07
	В	Write short notes on:	07
		a) Cannizaro reaction	
		b) Wittig reaction	
Q-5		Attempt all questions	(14)
	A	Write short notes on:	07
		a) Knorr synthesis,	
		b) Paal-knorr synthesis	
	В	Discuss Hantzsch synthesis with applications.	07
Q-6		Attempt all questions	(14)
•	A	Discuss the Aldol condensation with examples.	07
	В	Discuss the Fiest Benary reaction.	07
Q-7		Attempt all questions	(14)
v .	\mathbf{A}	Discuss chemical reactions of pyrrole.	07
	В	Write short notes on:	07
		a) Synthesis of furan	07
		b) Kohlrausch law.	
Q-8		Attempt all questions	(14)
	A	Discuss synthesis and properties on thiophene.	07
	В	Write a note on physical and chemical properties of mono carboxylic acids.	07

