

Q-3	Attempt all questions	(14)
	a) Discuss the Knorr pyrrole synthesis with its mechanism	07
	b) Explain chemical reaction of pyrrole	07
Q-4	Attempt all questions	(14)
	a) Discuss chemical reaction of furan	07
	b) Discuss any two methods of synthesis of thiophene.	07
Q-5	Attempt all questions	(14)
	a) Discuss Sulphonation reaction of benzene with its mechanism	07
	b) Explain Friedel -Craft's alkylation reaction with proper mechanism and examples	07
Q-6	Attempt all questions	(14)
	a) Discuss chemical properties of ketones.	07
	b) Define carboxylic acid and write three methods of its preparation	07
Q-7	Attempt all questions	(14)
	a) Discuss aldol condensation reaction with mechanism.	05
	b) Write a note on Cannizaro reaction with mechanism	05
	c) Explain Hell Volhard Zelinsky reaction	04
Q-8	Attempt all questions	(14)
	a) What is electrophilic substitution reaction? Discuss Nitration with mechanism	07
	b) Write a note on preparation of aldehydes	07

