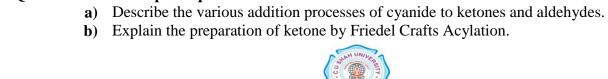
	Envellme	ont No.		Evom Soot No.					
	Enrolline		TI CITATI			_			
	C.U.SHAH UNIVERSITY								
	Winter Examination-2018								
	Subject Name : Organic Chemistry-II								
	Subject Code: 4SC06CHC2			Branch: B.Sc. (Chemistry)					
	Semester	::6	Date: 24/10/2018	Time: 02:30 To 05:30	Marks: 70				
	Instructions: (1) Use of Programmable calculator & any other electronic instrument is prohibited. (2) Instructions written on main answer book are strictly to be obeyed. (3) Draw neat diagrams and figures (if necessary) at right places. (4) Assume suitable data if needed.								
Q-1		Attempt th	e following questions:			(14)			
	a)	Define: Nu	cleophile with example			01			
	b)	Define: Arc	omaticity			01			
	c)	Define: Fre				01			
	d)		akule structure of benze			01			
	e)		-	en aromatic and aliphatic compou	ınds.	01			
	f)		idation process			01			
	g)		e of reaction?	-:4		01			
	h)		luckel's rules of aromatic	city.		01 01			
	i) j)		ergy of activation ructures of methane and	n-Dinitrohenzene		01			
	k)		ndensation reaction	p-Dimuochizene.		01			
	l)		el-Crafts reaction for acy	vl group.		01			
	m)		omeric structures of dich	, ,		01			
	n)		reaction of aldol condens			01			
Atte	empt any f	our question	ns from Q-2 to Q-8						
Q-2	}	Attempt al	l questions			(14)			
	a)	Explain bri orbital arra		ot of Kekule's benzene with discu	ission of	07			
	b)		ef note on Aldol condens	ation.		07			



hydrocarbon by using Huckel rule.

a) Explain claisen condensation reaction with its application.

b) Discuss naphthalene and anthracene structures as polynuclear aromatic

Attempt all questions

Attempt all questions

Q-3

Q-4

(14)

07

07

(14)

07

07

Q-5	Attempt all questions			
	a)	Explain cross cannizaro reaction with its mechanism.	07	
	b)	Discuss the reduction reactions of carbonyl group in ketones and aldehydes.	07	
Q-6		Attempt all questions	(14)	
	a)	Write a note on witting reaction.	07	
	b)	Write the different preparation of aldehydes and ketones.	07	
Q-7		Attempt all questions		
	a)	Briefly explain any four preparation methods for aryl halides.	07	
	b)	Explain the various reaction of methane and also discuss chain reaction mechanism for chlorination in methane molecule.	07	
Q-8		Attempt all questions	(14)	
	a)	Write a note on Dumas and Kjeldahl's methods used for quantitative analysis of nitrogen.	07	
	b)	Explain Grignard synthesis briefly.	07	

