	Enrollm			
		C.U.SH.	AH UNIVERSITY	Y
		Summe	er Examination-2019	
	Subject l	Name: Organic Chemistry	-II	
	Subject (Code: 4SC04OCH1	Branch: B.Sc. (Chemistry, Ph	ysics)
	Semestei	r: 4 Date: 18/04/2019	Time: 02:30 To 05:30	Marks: 70
	Instructio			
			ator & any other electronic instrumen answer book are strictly to be obeyed	-
			res (if necessary) at right places.	•
	(4) A	Assume suitable data if need	ed.	
Ο 1		Attempt the following on	octions	(14)
Q-1		Attempt the following que	estions:	(14)
	a)	Define: Reaction mechanis		01
	b)	Draw the chemical structur		01
	c)	What is the use of Ibuprofe		01
	d)	What do you meant by rear	-	01
	e)	Give any one example of h	t hydroxyl group in alkaloids.	01 01
	f)	Write the general molecula		01
	g) h)	Draw the structure of isopr	<u> •</u>	01
	i)	<u> </u>	lkaloid containing pyridine - pyrrolid	
	.j)	Write one application of fri		01
	k)	* *	eaction allylic rearrangement is observ	
	l)		operties of terpenoids.	01
	m)	What is the use of congo re	=	01
	n)	In alkaline medium alizarir	n gives coloured solution.	01
Atter	npt any f	Cour questions from Q-2 to	Q-8	
Q-2		Attempt all questions		(14)
	a)		tion with mechanism and its applicat	
	b)		nann rearrangement with mechanism	
		applications.		
Q-3		Attempt all questions		(14)
•	a)		ith its mechanism and application.	07
	b)	Explain Barbier-Wieland re		07



What is terpenoids? Discuss classification of terpenoids.

Attempt all questions
a) Write a brief note on Indigo dye.

Q-4

(14) 07

07

	Attempt all questions	(14)
a)	Write the synthesis and uses of methyl orange.	07
b)	Give the evidence for the presence of –CHO, Isopropylidene, Acyclic structure, -C=C- group in Citral.	07
	Attempt all questions	(14)
a)	Give the synthesis and applications of Atenolol.	07
b)	What is dye? Give the preparation of malachite green.	07
	Attempt all questions	(14)
a)	What are alkaloids? Explain its classification in detail.	07
b)	Prove the constitution of coniine.	07
	Attempt all questions	
a)	• •	(14) 07
	· • • •	
	C) In nicotine the side chain must contain an N-methyl group.	
b)	Explain the synthesis of alizarin with applications.	07
	a) b) a) b) a) b)	 b) Give the evidence for the presence of –CHO, Isopropylidene, Acyclic structure, -C=C- group in Citral. Attempt all questions a) Give the synthesis and applications of Atenolol. b) What is dye? Give the preparation of malachite green. Attempt all questions a) What are alkaloids? Explain its classification in detail. b) Prove the constitution of coniine. Attempt all questions a) Prove that A) Nicotine must have a pyridine nucleus. B) Nicotine must contain a pyrrolidine nucleus. C) In nicotine the side chain must contain an N-methyl group.

