	Fnrollm	ent No:	Exam Seat No:			
			H UNIVERSITY			
	Summer Examination-2017					
	Subject Name: Pharmaceutical Chemistry-IV (Organic Chemistry-II)					
	Subject	Code: 4PS03PCH4	Branch: B.Pharm.			
	Semester Instruction		7 Time: 10:30 To 01:30 Marks: 70	)		
	(1) U (2) I (3) I	Use of Programmable calculate	• • • • • • • • • • • • • • • • • • • •			
Q-1		Attempt the following ques	tions.	(14)		
	a)	Define racemic mixture.		1		
	<b>b</b> )	Give one example of meso con Define Chirality.	ompound.	1		
	c) d)	Write the structure of Phenan	othrene and Anthracene	1		
	e)	Give one example of Geometric Geomet		1		
	<b>f</b> )	Write the name of any two or		1		
	<b>g</b> )	Define Enantiomers.		1		
	<b>h</b> )	Write two examples of polyn	uclear aromatic compound.	1		
	i)	Write two examples of electr		1		
	<b>j</b> )	Write one example of atropis	somerism.	1		
	k)	Write the name of any two m	neta orienting groups.	1		
	<b>l</b> )		nembered heterocyclic compounds.	1		
	m)		erivatives of carboxylic acids with structure.	1		
	n)	Define optical activity.		1		
Atte	mpt any f	four questions from Q-2 to Q	<b>!-8</b>			
Q-2	A B	-	ale. Explain the aromatic property of Pyrrole. ation reaction? Write the sulphonation reaction of mechanism.	(14) 7 7		
Q-3	A	Attempt all questions Write the Friedel-Crafts alky	lation and Friedel-Crafts acylation reaction of	(14) 7		



Write in detail preparation and reaction of Naphthalene and Anthracene.

Describe about orientation in mono substituted benzene ring.

7

**(14)** 

7

Write in detail about diazo coupling reaction.

**Attempt all questions** 

В

A

В

**Q-4** 

Q-5	Attempt all questions			
	$\mathbf{A}$	What is racemization? Explain the resolution methods of racemic mixture.		
	В	Explain the stability of all conformational isomers of n-Butane with structure.		
Q-6		Attempt all questions		
	$\mathbf{A}$	Write various methods of preparation and chemical properties of Pyridine.	7	
	В	Write the common methods of preparation of Aldehydes and ketones.	7	
Q-7		Attempt all questions		
	$\mathbf{A}$	Write various preparation methods of Pyrrole and Furan.	7	
	В	Write the principles of green chemistry.	7	
Q-8		Attempt all questions	(14)	
	$\mathbf{A}$	Write various methods of preparation and chemical properties of Phenol.	7	
	В	Write the methods of preparation of all the derivatives of carboxylic acids.	7	

