## \_\_\_\_\_ **C.U.SHAH UNIVERSITY Summer Examination-2018**

Subject Name: Pharmaceutical Chemistry-VI (Medicinal Chemistry-III)

	Subject	Code: 4PS06PCH6	Branch: B.Pharm		
	Semeste	r: 6 Date: 27/04/2018	Time: 02:30 To 05:30 Marks: 7	70	
	<ul> <li>Instructions:</li> <li>(1) Use of Programmable calculator &amp; any other electronic instrument is prohibited.</li> <li>(2) Instructions written on main answer book are strictly to be obeyed.</li> <li>(3) Draw neat diagrams and figures (if necessary) at right places.</li> </ul>				
		Assume suitable data if needed.	n neeessary) at right places.		
Q-1		Define the following terms:		(14)	
Q-1	a)	Diabetes mellitus		()	
	b)	Antiviral			
	c)	$\beta$ -lactam antibiotic			
	d)	Anti-amoebic			
	e)	Anti-neoplastic agent			
	<b>f</b> )	Aminoglycosides			
	<b>g</b> )	Macrolides			
	h)	Tetracyclines			
	i)	Norfloxacin.			
	j)	Sulfasalazine			
	k)	Clotrimazole			
	l)	Metformin			
	m)	Selective Estrogen Receptors N	Iodulators		
	n)	Aromatase Inhibitors.			
Atte	empt any f	four questions from Q-2 to Q-8			
Q-2		Attempt all questions		(14)	
·	a.	Briefly explain oral hypoglycer	nic agents	(7)	
	b.		clature and stereochemistry of steroids in detail.	(7)	
Q-3	5	Attempt all questions	·	(14)	
•	a.	Write detail SAR of glucocortic	coids	(7)	
	b.	Write short notes on antithyroid		(7)	
Q-4	ļ	Attempt all questions	-	(14)	
	a.	Write detail SAR of Sulfonamie	des	(7)	
	b.	What are Quinolones? Write str	ructure activity relationship of Quinolones	(7)	
Q-5	i	Attempt all questions		(14)	
-	a.	Write detail SAR of Cefalosprin	ns.	(7)	
	b.	Classify Penicillins with examp	les on the basis of mechanism of action. Why	(7)	
		penicillin is not active against p	enicillinase secreting microorganisms?		



Q-6		Attempt all questions	(14)
-	a.	Give IUPAC name and chemical synthesis of chloramphenicol	(7)
	b.	Write IUPAC name and Synthesis of following:	(7)
		1.Isoniazid 2.Ethambutol 3.Clofazimine	
Q-7		Attempt all questions	(14)
-	a.	Write mechanism of action, uses and side effect of antifungal agents	(7)
	b.	Classify the Antiviral agent with suitable examples. Give the method synthesis of amantadine	(7)
Q-8		Attempt all questions	(14)
·	a.	Classify the anti-neoplastic agents. Give the method of synthesis of Chlorambucil	(7)
	b.	Write short note on "Anthelmintics"	(7)

Page 2 || 2

