C.U.SHAH UNIVERSITY Winter Examination-2018

Subject Name: Medicinal Chemistry-II

Subject Code: 5SC04MDC1		Branch: M.Sc. (Organic Chemistry)	
Semester: 4	Date: 20/10/2018	Time: 10:30 To 01:30	Marks: 70

Instructions:

- (1) Use of Programmable calculator and 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.

SECTION – I

Q-1		Attempt the Following questions	(07)	
	a.	Draw the structure of oxacillin.	(1)	
b.		Give the full form of SAR.	(1)	
	c.	Write the therapeutic uses of cephalexin.	(1)	
	d.	Draw the structure of phenobarbital.	(1)	
	e.	Define the term antibiotics.	(1)	
	f.	Write the chemical name as well as –R part in penicillin-V.	(1)	
	g.	State the definitions of sedatives and hypnotics.	(1)	
Q-2		Answer the following questions		
	a.	Give the synthesis and uses of Chloroquine and Ethionamide.	(7)	
	b.	Write the name of malarial parasites and write the synthesis and uses	(7)	
		ofPrimaquine.		
		OR		
Q-2		Answer the following questions		
	a.	Write the synthesis and uses of Dapsone(DDS) and Isoniazid (INH).	(7)	
	b.	Write the synthesis and uses of Procanamide andSodium Valproate.	(7)	
Q-3		Answer the following questions		
	a.	Write the synthesis and uses of Novocaine and Ibuprofin.	(7)	
	b.	Write the synthesis and uses of Satalol and Denzimol.	(7)	

OR

Page 1 || 2



			(14)
Q-3		Answer the following questions	
	a.	Write the synthesis and uses of Meclofenate sodium and Thiopental sodium.	(7)
	b.	Explain the life cycle of malarial parasite with proper diagram.	(7)
		SECTION – II	
Q-4		Attempt the Following questions	(07)
	a.	Draw the structure of Chloramphenicol.	(1)
	b.	Write the synthesis of Ampicillin.	(2)
	c.	Write the synthesis and uses of Floxacillin drug.	(2)
	d.	Draw the structure of Mefloquines.	(1)
	e.	Draw the structure of Lamotrigine.	(1)
Q-5		Answer the following questions	(14)
	a.	Write the synthesis and uses of Bromazepam and Alprazolam.	(7)
	b.	Write the synthesis and uses of Procaine and Dibucaine.	(7)
		OR	
Q-5		Answer the following questions	(14)
	a.	Write the synthesis and uses of Ethambutol and Zonisamide	(7)
	b.	Write the synthesis and uses of Daraprim and Thiopental.	(7)
Q-6		Answer the following questions	(14)
c	a.	Write the synthesis and uses of Novalgin and Pethidine	(7)
	b.	Write the synthesis and uses of Chloramphenicol.	(7)
		OR	
Q-6		Answer the following questions	(14)
	a.	Write the synthesis and uses of Diazepam and Alprazolam.	(7)
	b.	Discussthe classification of Neuroleptics and Antidepressant.	(7)

