Enrollment No: ____

Exam Seat No: _____

_____ **C.U.SHAH UNIVERSITY Summer Examination-2017**

Subject Name: Pharmaceutical Chemistry-IV (Medicinal Chemistry-I)

Subject Code: 4PS04PCH4		Branch: B.Pharm.	
Semester: 4	Date: 20/04/2017	Time: 10:30 To 01:30	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		Define the following terms.	
-	a)	Laxatives.	1
	b)	Proton pump inhibitors.	1
	c)	Antiemetics.	1
	d)	Prokinetics.	1
	e)	Diagnostic agents.	1
	f)	Decongestants.	1
	g)	Mucolytics.	1
	h)	Antitussive agents.	1
	i)	Bioisosterism.	1
	j)	Drug therapy.	1
	k)	Medicinal chemistry.	1
	l)	Receptor.	1
	m)	Drug metabolism.	1
	n)	Solubility.	1
Attemp	ot any f	our questions from Q-2 to Q-8	
Q-2	·	Attempt all questions	
C	a)	Explain various physico-chemical properties of drug molecules influencing	7
	b)	Explain in detail protein hinding of drug molecules	7
	U)	Explain in detail protein bilding of drug molecules.	1
0-3		Attempt all questions	
	a)	Write in detail the stereo chemical features of drug molecules.	7
	b)	Write note on Bio-isosterism in drugs.	7
Q-4		Attempt all questions	
	a)	Write detail procedures of drug metabolism.	7
	b)	Write various anti-asthmatic agents with examples and their mechanism of action.	7



Q-5		Attempt all questions	
	a)	Write various classes of drugs that act on respiratory tract and explain about	7
	h)	Explain the mechanism of action of proton pump inhibitors	7
	U)	Explain the meenanism of action of proton pump minotors.	1
Q-6		Attempt all questions	
	a)	Define antisecretory agents. Classify and write mechanism of action of	7
		antisecretory agents along with synthesis of Ranitidine.	
	b)	Define and classify various classes of drugs acting on G.I. Tract and write	7
		synthesis of omeprazole and its use.	
Q-7		Attempt all questions	
-	a)	Write a note on Autocoids.	7
	b)	Write the detail classification of H_2 antagonists with example from each class.	7
Q-8		Attempt all questions	
	a)	What are diagnostic agents? Describe the importance of Radiopharmaceuticals.	7
	b)	Write the history, discovery and biosynthesis of eicosanoids.	7

