

# C.U.SHAH UNIVERSITY

## Winter Examination-2015

**Subject Name: Pharmaceutical Chemistry-V (Medicinal Chemistry-II)**

**Subject Code: 4PS05PCH5**

**Branch: B.Pharm**

**Semester: 5**

**Date: 4/12/2015**

**Time: 2:30 To 5:30**

**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.

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<b>Q-1</b>	<b>Attempt the following questions:</b>	<b>(14)</b>
	a) Give two examples of parasympathomimetics.	1
	b) Write the structure of acetylcholine.	1
	c) Write the use of propranolol.	1
	d) Define local anaesthetics.	1
	e) Give two examples of Antiparkinson agents.	1
	f) Give two examples of tricyclic antidepressants.	1
	g) Give two examples of Neuromuscular blocking agents.	1
	h) Write the use of Salbutamol.	1
	i) Write the structure of Ephedrine.	1
	j) Write the structure of Nimesulide.	1
	k) Give two examples of Muscarinic antagonists.	1
	l) Give two examples of General anaesthetics.	1
	m) Give two examples of acetyl cholinesterase inhibitors.	1
	n) Write the use of neostigmine.	1

**Attempt any four questions from Q-2 to Q-8**

<b>Q-2</b>	<b>Attempt all questions</b>	<b>(14)</b>
	A Classify Parasympathomimetics. Write the SAR of Parasympathomimetics.	7
	B Write the Synthesis of Neostigmine and Dicyclomine.	7
<b>Q-3</b>	<b>Attempt all questions</b>	<b>(14)</b>
	A Define Sympathomimetic. Write the SAR of $\beta$ -Phenylethanolamines.	7
	B Write the Synthesis of Isoprenaline and Salbutamol.	7
<b>Q-4</b>	<b>Attempt all questions</b>	<b>(14)</b>
	A Write in detail about Alzheimer's disease and Cognition enhancers.	7
	B Write the Synthesis of Atenolol and Allopurinol.	7



