

Enrollment No: _____ Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2019

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

Subject Code: 4PS05PCH5

Branch: B.Pharm

Semester: 5

Date: 16/03/2019

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.
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Q-1	Define the following terms:	(14)
	a) Sedatives	(1)
	b) Cholinergics	(1)
	c) Inflammation	(1)
	d) Opioid Analgesics	(1)
	e) Local Anaesthetics	(1)
	f) Analeptics	(1)
	g) Antidepressants	(1)
	h) Hallucinogens	(1)
	i) Parkinson's disease	(1)
	j) Adrenergic Receptors	(1)
	k) Butyrophenones	(1)
	l) Anxiolytics	(1)
	m) Adrenergics	(1)
	n) Catecholamine's	(1)

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

Q-2		(14)
	a) Write down the mechanism and SAR of Parasympathomimetics.	(7)
	b) Classify Parasympathomimetics, give synthesis for Neostigmine and Dicyclomine HCl.	(7)
Q-3		(14)
	a) Define and Classify Sympathomimetics with examples, give SAR of B-Phenylethanamines class.	(7)
	b) Give the Biosynthesis and Pharmacological action of Acetylcholine.	(7)



Q-4		(14)
a	Explain Parasympatholytic agents. Give classification and MOA.	(7)
b	Give SAR of Muscarinic Antagonists.	(7)
Q-5		(14)
a	Define Sympatholytics; give synthesis of Propranolol and Atenolol.	(7)
b	Explain Neuromuscular blocking agents, with MOA and examples.	(7)
Q-6		(14)
a	Differentiate sedatives and Hypnotics, give SAR of Barbiturates.	(7)
b	Define General Anaesthetics; Classify them with mechanism of action.	(7)
Q-7		(14)
a	Give the mechanism of action and SAR of morphine.	(7)
b	Define and classify NSAID, give the synthesis for Aspirin and Diclofenac.	(7)
Q-8		(14)
a	Define Antiepileptic; give the synthesis of chlorpromazine and phenytoin.	(7)
b	Explain CNS stimulants, give SAR of Tricyclic Antidepressants.	(7)

