Enrollment No:	Exam Seat No:
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C.U.SHAH UNIVERSITY

Winter Examination-2018

Subject Name: Pharmacology I

Subject Code: 4PS04COL1 **Branch:** B.Pharm

Semester: 4 Date: 20/10/2018 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** (14)Drug tolerance a) Drug dependence b) Drug antagonism c) Plasma protein binding d) Bioavaibility e) First pass metabolism f) Teratogenicity g)

- h) Autonomic Nervous System
- i) Somatic Nervous System
- j) Pharmacokinetics
- k) Clearance
- l) Half life
- m) Drug allergy
- n) Volume of distribution

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

	Attempt all questions	(14)
a.	Enumerate routes of drug administration. Give the merits and demerits of	(7)
	intravenous route of drug administration	
b.	Give merits of prolongation of drug action. Explain various methods used to	(7)
	prolong the duration of action of drug.	
	Attempt all questions	(14)
a.	Classify and explain all types of drug interaction giving suitable examples.	(7)
b.	Define absorption of drug. Explain the factors affecting absorption	(7)
	Attempt all questions	(14)
a.	Write different phases of clinical trials	(7)
b.	Write a short note on acute and sub acute toxicity study	(7)
	Attempt all questions	(14)
a.	Give a brief account on beta blockers	(7)
b.	Write a note on local anaesthetics	(7)
	a.b.a.b.	 a. Enumerate routes of drug administration. Give the merits and demerits of intravenous route of drug administration b. Give merits of prolongation of drug action. Explain various methods used to prolong the duration of action of drug. Attempt all questions a. Classify and explain all types of drug interaction giving suitable examples. b. Define absorption of drug. Explain the factors affecting absorption Attempt all questions a. Write different phases of clinical trials b. Write a short note on acute and sub acute toxicity study Attempt all questions a. Give a brief account on beta blockers

Q-6		Attempt all questions	(14)
	a.	Classify anticholinesterase agents, giving their mechanism of action and	(7)
		pharmacological actions	
	b.	Write a note on drugs acting on autonomic ganglia	(7)
Q-7		Attempt all questions	(14)
	a. Explain in detail about anticholinesterase poisoning and its treatment		(7)
	b.	Write pharmacology of angiotensin	(7)
Q-8		Attempt all questions	(14)
	a.	Describe pharmacological actions of prostaglandins	(7)
	b.	Classify different types of histamine receptors with examples of agonists and	(7)
		antagonists	