Seat N	lo.:	Enrolment No	_
		GUJARAT TECHNOLOGICAL UNIVERSITY	
		B.PHARM – SEMESTER – V • EXAMINATION – WINTER – 2015	
Subj	ect (Code: 2250005 Date: 19/12/2015	
U		Name: Pharmacology and Pharmacotherapeutics I	
•	Time: 10.30 AM to 1.30 PM Total Marks: 80		
Instr			
		empt any five questions.	
		ke suitable assumptions wherever necessary.	
		ures to the right indicate full marks.	
0.1	()		0.6
Q.1	(a)	Write about divisions, organization and functions of autonomic nervous system.	06
	(b) (c)	Classify parasympathomimetics. Write their therapeutic uses. Define local anaesthetics with two examples and disucss their general	05 05
	(C)	characteristics and mechanism of action.	US
0.4	()		0.0
Q.2	(a)	Discuss complete pharmacology of atropine. Write a note on ganglion stimulants.	06 05
	(b) (c)	Discuss pharmacological actions of histamine.	05
Q.3	(a)	Classify sympathomimetics by several ways. Write their therapeutic uses.	06
	(b)	Write a note on propranolol.	05 05
	(c)	Write about methylxanthines.	
Q.4	(a)	Classify laxatives and purgatives. Write mechanism of action of any one class	06
	(b)	involved in it.	05
	(b) (c)	Write about synthesis and distribution of 5-HT. Add a note on 5-HT receptors. Write a note on 5-HT antagonists.	05 05
Q.5	(a)	Write a note on antitussives and expectorants.	06
	(b)	Discuss pharmacological actions and therapeutic uses of prostaglandins.	05
	(c)	Define antiemetics. Give names of drugs involved in this class along with their involvement with receptors.	05
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Q. 6		Write about etiology, pathophysiology and treatment of GERD.	06
	(b)	Discuss various pathophysiological aspects of inflammatory bowel disease.	05
	(c)	Classify antihistaminics. Write their therapeutic uses.	05
Q.7	(a)	Classify skeletal muscle relaxant drugs. Discuss mechanism of action of any	06
	(l c)	one class involved in it.	05
	(b)	Write pharmacological actions of sympathomimetics on CVS, respiratory system, GI tract and eye.	05
	(c)	Write about pathophysiology, types, symptoms, diagnosis and treatment of	05
	(0)	glaucoma.	30
