Cast No.	Employee No
Seat No.:	Enrolment No.

## **GUJARAT TECHNOLOGICAL UNIVERSITY**

D.Ph. - SEMESTER-II • EXAMINATION – SUMMER 2013

Subject Code: 420003		Code: 420003 Date: 16-05-2013	
Sul	oject	Name: Pharmacology & toxicology	
Tir	ne: 10	0.30 am - 01.30 pm Total Marks: 80	
Inst	ructio	ons:	
		Attempt any five questions.	
		Make suitable assumptions wherever necessary.	
	3.	Figures to the right indicate full marks.	
Q.1	(a)	Enlist route of drug administration. Write advantage and disadvantage of parenteral route.	06
	<b>(b)</b>	Classify sympatholytics. Write pharmacology of propranolol.	05
	(c)	Give names of local anesthetics. Describe mechanism of action of procaine	05
(b	(a)	Classify antiarrhythmic agents. Discuss pharmacological actions of quinidine.	06
	<b>(b)</b>	What is drug metabolism? Describe phase I metabolism.	05
	(c)	Write a note on contraceptive pills.	05
Q.3	(a)	Write mechanism of action and pharmacological actions of digitalis.	06
	(b)	Classify antiparkinsonism drugs. Describe mechanism of levodopa and carbidopa.	05
	(c)	Enlist factor affecting drug absorption. Write in details on any two factors.	05
Q.4	(a)	Classify antihypertensive agents. Write pharmacology of captopril.	06
	<b>(b)</b>	Explain mechanism and side effects of phenytoin.	05
	(c)	Write therapeutic uses and adverse effects of aspirin.	05
Q.5	(a)	Classify chemotherapeutic agents based on antibacterial spectrum, mechanism of action.	06
	<b>(b)</b>	Describe mechanism of action and side effects of tetracycline.	05
	(c)	Write pharmacology of loop diuretics.	05
Q. 6	(a)	Enlist antiasthmatic agents. Write pharmacology of bronchodilators.	06
	<b>(b)</b>	Discuss mechanism of action and side effects of cotrimoxazole.	05
	(c)	Write a note on haematinics.	05
<b>Q.7</b>	(a)	Classify anticancer agents. Explain mechanism of alkylating agents	06
	<b>(b)</b>	Describe synthesis and pharmacological actions of histamine.	05
	(c)	Discuss mechanism, therapeutic uses and side effects of proton pump inhibitors.	05

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