Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY DIPLOMA PHARMACY – SEMESTER – II-EXAMINATION – WINTER 2015

	•	ect Code: 420003 Date: 07/12/2 ect Name: Pharmacology And Toxicology	2015
	Time	Time: 10:30 AM TO 1:30 PM Total Mar	
	2.	Attempt any five questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	Write advantages and disadvantages of parenteral route of drug administration.	06
	(b)	Write a note on Organophosphorous poisoning and treatments.	05
	(c)	Write mechanism, adverse effects and therapeutic uses of Streptomycin.	05
Q.2	(a)	Write a note on Anticancer alkylating agents.	06
	(b)	Classify antihypertensive agents.	05
	(c)	Write mechanism and pharmacological actions of Insulin.	05
Q.3	(a)	(i) Classify Laxatives	06
		(ii) Classify Anti T.B. agents	
	(b)	Write a note on 'Cardiotonic agents'.	05
	(c)	Write a note on 'Co-trimoxazole'.	05
Q.4	(a)	(i) Discuss factors affecting absorption of drug.	04
		(ii) Classify general anaesthetics.	02
	(b)	Describe pharmacological actions of Morphine.	05
	(c)	Define or explain the following terms.	05
		(i) Chemotherapy (ii) Prodrug (iii) Bioavailability	
		(iv) Competitive antagonism (vi) Pharmacodynamic	

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Q.5	(a)	(i) Justify use of Levodopa + Carbidopa in Parkinsonism.	06
		(ii) Justify use of Neostigmine in Myesthenia gravis.	
	(b)	Write a note on 'Antiepileptics acting through GABA'.	05
	(c)	Explain mechanism and major adverse reactions of following agents.	05
		(i) Tetracycline (ii) Sulphonamide (iii) Chloroquine (iv) Diazepam	
		(v) Warfarin	
Q. 6	(a)	Classify Antithyroid agents. Explain mechanism of each class.	06
	(b)	Write a note on anti HIV agents.	05
	(c)	Write a note on Loop diuretics.	05
Q. 7	(a)	Write pharmacological actions and therapeutic uses of Adrenalline.	06
	(b)	Write a note on 'Bronchodilators'.	05
	(c)	Write a note on 'Antacids'.	05
