Seat No.:	Enrolment No
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GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharm. - SEMESTER - IV • EXAMINATION - SUMMER • 2015

Subje Time	ect Nar : 10:30 ections: 1. Att	le: 2240005 me: Basic Concepts of Pharmacology and Clinical Pharmacy Praction am - 01:30 pm Total Marks: 8 tempt any five questions. ake suitable assumptions wherever necessary.	ice
		ures to the right indicate full marks.	
Q.1	(a) (b) (c)	Write a note on various routes of administration of drug. Explain the dose response relationship. Write a note on various sources of drugs.	06 05 05
Q.2	(a) (b)	Classify bio-transformation reactions of the drugs. Add a note on non-synthetic reactions. Write a note on factors modifying drug action.	06 05
	(c)	Write a note on combined effect of drugs.	05
Q.3	(a)	Write a note on G-protein coupled receptors with major effector pathways.	06
	(b)	Explain various transport mechanisms of drug across the biological membrane.	05
	(c)	 Explain the following terminology in brief i) Pharmacokinetics ii) Pharmacoepidemiology iii) Carcinogenicity iv) Drug dependence v) Iatrogenic effects 	05
Q.4	(a) (b) (c)	Define and classify drug-drug interactions. Write a note on competitive and non-competitive antagonism. Write a note on rational use of medicines.	06 05 05
Q.5	(a) (b) (c)	Define absorption of drug. Explain the factors affecting absorption. Explain the bioavailability of the drug and bioequivalence drugs. Write a note on therapeutic drug monitoring and its significance.	06 05 05
Q. 6	(a)	Define Patient counseling. Explain goals and functions of patient counseling.	06
	(b)	Explain the word medication adherence. Write a note on importance of medication adherence.	05
	(c)	Write a note on drug information centre.	05
Q.7	(a)	Write a note on key elements for communication skills for effective counseling.	06
	(b) (c)	Enumerate and explain various steps for patient counseling. Write a note on medication errors.	05 05
