Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharm. – SEMESTER – IV • EXAMINATION – WINTER • 2016

Subject Code: 2240005Date: 25-10-2016Subject Name:Basic Concepts of Pharmacology and Clinical Pharmacy PracticeTime: 10:30 am - 01:30 pmTotal Marks: 80Instructions:1. Attempt any five questions.2. Make suitable assumptions wherever necessary.3. Figures to the right indicate full marks.			
Q.2	(a)	Enlist various types of drug interactions. Write in detail about pharmacokinetic drug interaction.	06
	(b)	Write a short note on G- protein coupled receptor.	05
	(c)	Write a short note on drug food interaction.	05
Q.3	(a)	Enlist and explain various factors responsible for variation in dug response.	06
	(b)	Describe the various types of Drug Antagonism.	05
	(c)	Explain the clinical importance of plasma protein binding.	05
Q.4	(a) (b) (c)	What is the principle of patient counseling? Describe various forms of Counseling and Interviewing Skills.Define bioavailability. Explain the term of plasma half life and give its clinical importance.Write a short notes on: 1) First Pass effect 2) Enterohepatic cycling	06 05 05
Q.5	(a)	Discuss pharmacokinetic variations in geriatric patients as compared to adults.	06
	(b)	Write a note on enzyme induction and enzyme inhibition with examples.	05
	(c)	Discuss the scope of pharmacology and clinical pharmacy.	05
Q. 6	(a) (b) (c)	Define adverse drug reactions and differentiate between Type A and Type B adverse drug reactions. Write a note on Medication errors and adverse drug events. Discuss absorption process and factors affecting drug absorption.	06 05 05
Q.7	(a)	Define essential drugs. What are the advantages of essential drug list? Give criteria for choice of essential drug.	06
	(b)	Define and write the methods of Pharmacovigilance and what is the role of pharmacist.	05
	(c)	Explain combined effects of drugs.	05
