Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

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

Subject Code: 420006 Subject Name: Hospital and Clinical Pharmacy Time: 10.30 am - 01.30 pm Instructions: Date: 23-05-20 Total Marks:		3	
	1. 2.	Attempt any five questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	Describe the sources of contamination in Aseptic area and explain the different Measures to control contamination	08
	(b) (c)	Discuss In Vivo pyrogen test Give complete classification of hospitals	04 04
Q.2	(a) (b) (c)	Describe unit dose drug distribution system along with its merits and demerits Write short note on outpatient pharmacy Write a short note on Central Sterile Service Department	
Q.3	(a) (b) (c)	Write the constitution of PTC, its objectives and functions Explain the role of PTC in drug safety Discuss in brief about drug information centre	
Q.4 (a)		Explain GMP and describe functions of quality control and quality assurance in manufacturing.	08
	(b) (c)	Define the term i) Bioequivalence ii) Clinical equivalence iii) Therapeutic equivalence iv) Chemical equivalence Explain the clinical significance of following physiological parameters i) Serum lipid profile ii) Serum glucose iii) Serum SGOT iv) Serum creatinine	04
Q.5	(a)	Classify drug interactions. Discuss the interactions during distribution and biotransformation of drug along with suitable examples	08
	(b) (c)	Explain pharmacodynamic interaction with suitable examples Explain food-drug interactions with examples	04 04
Q. 6	6 (a) Discuss at length pharmacological factors affecting bioavailability of drug suitable examples		08
	(b)	Define the term i) Bioavailability ii) Adverse drug reaction iii) Drug Interaction iv) Drug dependence	04
	(c)	Explain in brief factors related to patient affecting ADRs.	04
Q.7 (a)		What is patient counseling? Explain the matters counseled by pharmacist to the patient	08
	(b) (c)	What is patient compliance? Explain the consequences of non-compliance Discuss in brief pathophysiology and symptoms of Epilepsy	04 04
