

GUJARAT TECHNOLOGICAL UNIVERSITY**D.Ph. - SEMESTER-II • EXAMINATION – SUMMER 2013****Subject Code: 420006****Date: 23-05-2013****Subject Name: Hospital and Clinical Pharmacy****Time: 10.30 am - 01.30 pm****Total Marks: 80****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. 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) Discuss In Vivo pyrogen test **04**
(c) Give complete classification of hospitals **04**
- Q.2** (a) Describe unit dose drug distribution system along with its merits and demerits **08**
(b) Write short note on outpatient pharmacy **04**
(c) Write a short note on Central Sterile Service Department **04**
- Q.3** (a) Write the constitution of PTC, its objectives and functions **08**
(b) Explain the role of PTC in drug safety **04**
(c) Discuss in brief about drug information centre **04**
- Q.4** (a) Explain GMP and describe functions of quality control and quality assurance in manufacturing. **08**
(b) Define the term i) Bioequivalence ii) Clinical equivalence **04**
iii) Therapeutic equivalence iv) Chemical equivalence
(c) Explain the clinical significance of following physiological parameters **04**
i) Serum lipid profile ii) Serum glucose iii) Serum SGOT iv) Serum creatinine
- Q.5** (a) Classify drug interactions. Discuss the interactions during distribution and biotransformation of drug along with suitable examples **08**
(b) Explain pharmacodynamic interaction with suitable examples **04**
(c) Explain food-drug interactions with examples **04**
- Q. 6** (a) Discuss at length pharmacological factors affecting bioavailability of drug with suitable examples **08**
(b) Define the term i) Bioavailability ii) Adverse drug reaction **04**
iii) Drug Interaction iv) Drug dependence
(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) What is patient compliance? Explain the consequences of non-compliance **04**
(c) Discuss in brief pathophysiology and symptoms of Epilepsy **04**
