

GUJARAT TECHNOLOGICAL UNIVERSITY
M.PHARM - SEMESTER-2 EXAMINATION – SUMMER-2019

Subject Code: MCP201T**Date: 27/05/2019****Subject Name: Clinical Pharmacy Practice II****Time: 10:30 AM TO 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) Explain any three pharmacokinetic drug interactions with examples. | 06 |
| | (b) Describe various factors affecting renal clearance of drug. | 05 |
| | (c) Enlist and explain determinants of bioavailability. | 05 |
| Q.2 | (a) Define and explain Pharmacoepidemiology. Describe its importance. | 06 |
| | (b) Compare single and double compartment model of drug distribution. | 05 |
| | (c) Describe methods to measure medication adherence. | 05 |
| Q.3 | (a) Compare International and Indian scenario of clinical pharmacy practices. | 06 |
| | (b) How genetic polymorphism lead to drug interactions. | 05 |
| | (c) Write a note on drug utilization review. | 05 |
| Q.4 | (a) Explain various pharmacokinetic parameter affect drug absorption in pediatric patient. | 06 |
| | (b) Write a note on cytochrome p-450 isoenzymes. | 05 |
| | (c) Describe usefulness of Bayesian theory in pharmacometrics. | 05 |
| Q.5 | (a) Explain in detail case control study and meta-analysis study. | 06 |
| | (b) What precautions should be taken while dosing for hepatic failure patient? | 05 |
| | (c) How enzyme induction affects the drug metabolism, explain with example. | 05 |
| Q. 6 | (a) Which factors affect the dosing regimen in geriatric patients. | 06 |
| | (b) Explain zero order and first order kinetic with example. | 05 |
| | (c) What is loading dose? Describe methods to calculate loading and maintenance dose. | 05 |
| Q.7 | (a) Explain therapeutic drug monitoring in Cardiac arrest patient. | 06 |
| | (b) Describe the factors modifying the oral absorption of drug. | 05 |
| | (c) Write a note on individualization of drug dosage regimen. | 05 |
