

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

M. Pharmacy Sem-I Examination January 2010

Subject code: 910206

Subject Name: Clinical and Hospital Pharmacy

Date: 30 / 01 / 2010

Time: 12.00 – 3.00 pm

Instructions:

Total Marks: 80

- 1. Attempt any five questions.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**

- Q.1** (a) Write the definitions and role of clinical pharmacokinetics in drug therapy. **06**
(b) Write the assumptions taken into consideration when adjusting drug therapy in renally impaired patients. **05**
(c) Write the symptoms and management of organophosphorus poisoning. **05**
- Q.2** (a) Discuss considerations of drug dosing in obese patients. **06**
(b) Write notes on pharmacokinetic and pharmacodynamic correlation in drug therapy. **05**
(c) Write about measurement of relative and attributable risk with example. **05**
- Q.3** (a) Write the difference between floor stock and individual prescription system. **06**
(b) What criteria's are to be considered before ordering therapeutic drug monitoring. **05**
(c) Write organization and role of infection control committee. **05**
- Q.4** (a) Write the importance of spontaneous reporting system. **06**
(b) Enlist the functions of central sterile supply department. **05**
(c) Explain VED, EOQ with appropriate formula. **05**
- Q.5** (a) List five basic epidemiological designs and explain case series and cross sectional designs. **06**
(b) Write symptoms of paracetamol poisoning and its management strategy. **05**
(c) Discuss therapeutic drug monitoring in CNS drugs. **05**
- Q. 6** (a) Write the influence of hepatic diseases on pharmacokinetics. **06**
(b) Write the principles of elimination enhancement. **05**
(c) Write the difference between defined daily dose and prescribed daily dose with example. **05**
- Q.7** (a) Write notes on conversion from IV to oral dosing. **06**
(b) Write notes on inhibition and induction of drug metabolism. **05**
(c) Write the pharmacokinetic parameters involved in plasma drug concentration-time plot. **05**
