

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.

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|-------------|-----|--|-----------|
| 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 |
