

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

## GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma Pharmacy Second Year Examination May 2010

Subject code: 420006

Subject Name: Hospital & Clinical Pharmacy

Date: 25 / 05 / 2010

Time: 03.00 pm – 06.00 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** **16**
- (a) Define Hospital. Classify them on various criteria. How the hospital finance is managed with respect to present Medi-claim policy in India?
- (b) What do you mean by supportive services? Discuss this with context to “city within the city”.
- (c) Define the term clinical pharmacy. Discuss the effect of medication history on patient’s counseling.
- Q.2** **16**
- (a) What is in-patient service? Classify them and write a note on satellite pharmacy.
- (b) How will you plan to manufacture liquid orals for captive consumption within hospital with economic consideration?
- (c) Give the usage of ECG, Glucometer, Endoscopy & MRI
- Q.3** **16**
- (a) Classify commonly used surgical instruments and health accessories with the names of brand leader.
- (b) Give the composition, operation of PTC and explain its role in Drug Product Defect Reporting program.
- (c) Discuss manifestation, etiology and patho-physiology of diabetes and rheumatoid arthritis.
- Q.4** **16**
- (a) Write a note on format and content of Hospital formulary.
- (b) What do you mean by Drug Information service? How the primary and secondary source of information is being collected?
- (c) Write a note on general treatment of poisoning and systemic antidotes.
- Q.5** **16**
- (a) Discuss the location and layout of CSSD in hospital. How the surgical disposables, instruments and implants are packed and sterilized before surgery?
- (b) Write a note on plastics applied in healthcare. Comment on their international standards for quality.
- (c) What is ADR? Give the example of drug induced diseases and teratogenicity.

- Q. 6** **16**
- (a) What is the application of computers in various fronts of hospital administration.
  - (b) Explain following terms: Drug abuse, Drug dependence, Drug addiction and Drug dependence
  - (c) Write the examples of Drug-drug interaction with respect to analgesics, diuretics and antidiabetics.

- Q.7** **16**
- (a) Define Bio-availability. Enumerate various parameters of pharmacokinetics.
  - (b) Explain the physiological parameters: s. bilirubin, SGPT with its significance.
  - (c) Comment on role of clinical research organizations(CRO) in the development of healthcare system in India

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