

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.PHARM – SEMESTER –8 EXAMINATION – WINTER-2025**

**Subject Code: 2280007****Date: 24-11-2025****Subject Name: Pharmacy Practice****Time: 02:30 PM TO 05:30 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) Enlist various factors that may alter the ability of a child to absorb drugs given by various routes of administration. Describe the effects of age on pharmacokinetics and their significance in drug therapy. **06**
- (b) Give overview of FDA Pregnancy Categories assigned to medications used during pregnancy. Summarize limitations of the informational resources used to determine the risks of medication use in pregnancy and lactation. **05**
- (c) List the goals and objectives for clinical pharmacists on ward rounds. Describe types of interventions that may be made during ward rounds. **05**
- Q.2** (a) Define the term drug utilisation evaluation (DUE). List the objectives of DUE. Describe the steps in the DUE cycle. **06**
- (b) Define signal. Describe the role of pharmacist in detection and reporting of adverse drug reactions. **05**
- (c) Discuss role of pharmacist in promotion of preventive health highlighting special emphasis on immunization. **05**
- Q.3** (a) Discuss the therapeutic guidelines for management of tuberculosis. **06**
- (b) Explain concept of essential drug. Differentiate between essential drug and rational drug. **05**
- (c) Give an overview of strategies to optimize adherence of medications. **05**
- Q.4** (a) Discuss the need for therapeutic guidelines. List the steps involved in the development, review and implementation of therapeutic guidelines. **06**
- (b) Discuss techniques of inventory control in brief. What is importance Economic Order Quantity in inventory control? **05**
- (c) Enlist common medical problems in the geriatrics. Explain why elderly patients are at increased risk of adverse drug outcomes. **05**
- Q.5** (a) Describe role of pharmacist in patient counselling on prescription medications and self-diagnostic/monitoring tools. **06**
- (b) Explain the importance of communication skills during patient counselling by citing suitable examples. **05**
- (c) Discuss the importance of accurate interpretation of prescription orders. **05**
- Q. 6** (a) Classify drug information resources. State the basic principles of indexing and searching computerised databases. **06**
- (b) Justify importance of review of drug-drug interaction, drug-food interactions and identification of drug allergies in prescription analysis. **05**
- (c) Highlight importance of clinical pharmacists by discussing their daily activities in hospital and community set-up. **05**

- Q.7** (a) List the types of drug-related problems (DRPs) that are commonly identified during medication review. Describe important sources of information which are used to monitor the therapeutic outcome. **06**
- (b) Describe the therapeutic guidelines for management of Hypertension. **05**
- (c) Discuss significance of Quality assurance of pharmacy services. **05**

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