

# GUJARAT TECHNOLOGICAL UNIVERSITY

## BACHELOR OF PHARMACY

Semester: 4

**Subject Code: 240001**

**Subject Name: Dispensing Pharmacy – I**

Sr. No.	Course Content	Proposed No. of Hours of Teaching
1.	<b>Definition and scope</b>	01
2.	<b>The prescription:</b> Handling of prescription, source of errors in prescription, care required in dispensing procedures including labeling at dispensed products.	04
3.	<b>Dispensing techniques:</b> Compounding and dispensing procedures, packaging, storage and stability of medicines, labeling of dispensed products.	05
4.	<b>Pharmaceutical calculations:</b> Posology: Calculations of doses for infants, adults and elderly patients, enlarging and reducing recipes, percentage solutions, allegation, alcohol dilution, proof spirit, isotonic solutions, displacement values, etc.	15
5.	Principles involved and procedures adopted in dispensing of: Mixtures, solutions, emulsions, powders and granules, oral unit dosage forms, inhalations.	20

### **Dispensing Pharmacy – I – Practical (45 Hours)**

The students shall be asked to perform the practical related to the topics mentioned under theory.

## **Books Recommended:**

1. Pharmaceutical Practice – by Diana M. Collett and Michale E. Aulton, ELBS Publishers.
2. Dispensing for pharmaceutical by Cooper and Gunn by S.J. Carter, CBS Publishers.
3. Pharmaceutical Calculations by Mitchell J. Stocklosa and Howard C. Ansel, B. I. Waverly Pvt. Ltd., New Delhi.
4. Pharmaceutical Dosage forms and Drug delivery systems by Howard C. Ansel, Lippincott Williams and Wilkins.
5. Pharmaceutical Practice, Edited by A.J. Winfield and R.M.E. Richards.
6. Hospital Pharmacy by William E. Hassan, Henry Kimpton Publishers, London.
7. Hospital Organization and management by Kurt Dan and Jonathan S. Ratic, CBS Publishers.
8. Remington: The Science and Practice of Pharmacy, Latest Edition, by Mack Publishing Company.