

# GUJARAT TECHNOLOGICAL UNIVERSITY

M.Pharm  
PHARMACOGNOSY  
SEMESTER: I

**Subject Name: PHARMACOGNOSY PRACTICAL - I**

**Subject Code: MPG105T**

**List of Practicals:**

**PART A:**

1. Analysis of Pharmacopoeial compounds and their formulations by UV Vis spectrophotometer, RNA & DNA estimation
2. Simultaneous estimation of multi component containing formulations by UV spectrophotometry
3. Experiments based on HPLC
4. Experiments based on Gas Chromatography
5. Estimation of riboflavin/quinine sulphate by fluorimetry
6. Estimation of sodium/potassium by flame photometry

**PART B:**

1. Development of fingerprint of selected medicinal plant extracts commonly used in herbal drug industry viz. Ashwagandha, Tulsi, Bael, Amla, Ginger, Aloe, Vidang, Senna, Lawsonia by TLC/HPTLC method.
2. Methods of extraction
3. Phytochemical screening
4. Demonstration of HPLC- estimation of glycyrrhizin
5. Monograph analysis of clove oil
6. Monograph analysis of castor oil.
7. Identification of bioactive constituents from plant extracts
8. Formulation of different dosage forms and their standardisation.