

# LJ UNIVERSITY

## LJ INSTITUTE OF PHARMACY

### Department of Pharmaceutical Technology

#### SEMESTER: I

**Subject Name: PHARMACEUTICS PRACTICAL - I**

**Subject Code: MPH105P**

#### Teaching scheme and examination scheme:

Teaching Scheme				Evaluation Scheme	
Theory	Tutorial	Practical	Total	Theory	
				External	Internal
0	0	12	12	100	50

1. Analysis of Pharmacopoeial compounds and their formulations by UV Visible spectrophotometer
2. Simultaneous estimation of multi component containing formulations by UV spectrophotometry
3. To perform In-vitro dissolution profile of CR/ SR marketed formulation
4. Formulation and evaluation of sustained release matrix tablets
5. Formulation and evaluation Osmotically controlled DDS
6. Preparation and evaluation of Floating DDS- hydro dynamically balanced DDS
7. Formulation and evaluation of Muco adhesive tablets.
8. Formulation and evaluation of Transdermal patches.
9. To carry out preformulation studies of tablets.
10. To study the effect of compressional force on tablets disintegration time.
11. To study Micromeritic properties of powders and granulation.
12. To study the effect of particle size on dissolution of a tablet.
13. To study the effect of binders on dissolution of a tablet.
14. To plot Heckal plot, Higuchi and Peppas plot and determine similarity factors.