

# LJ UNIVERSITY

## LJ INSTITUTE OF PHARMACY

### Department of Pharmaceutical Technology

#### SEMESTER: II

**Subject Name: PHARMACEUTICS PRACTICAL - II**

**Subject Code: MPH205P**

#### Teaching scheme and examination scheme:

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

1. To study the effect of temperature change , non-solvent addition, incompatible polymer addition in microcapsules preparation
2. Preparation and evaluation of Alginate beads
3. Formulation and evaluation of gelatin /albumin microspheres
4. Formulation and evaluation of liposomes/niosomes
5. Formulation and evaluation of spherules
6. Improvement of dissolution characteristics of slightly soluble drug by Solid dispersion technique.
7. Comparison of dissolution of two different marketed products/brands
8. Bioavailability studies of Paracetamol in animals.
9. In vitro cell studies for permeability and metabolism
10. Formulation data analysis Using Design Expert® Software
11. Quality-by-Design in Pharmaceutical Development
12. Development and evaluation of Creams
13. Development and evaluation of Shampoo and Toothpaste base
14. To incorporate herbal and chemical actives to develop products
15. To address Dry skin, acne, blemish, Wrinkles, bleeding gums and dandruf