

Subject Code: MPH105P	Subject Title: PHARMACEUTICS PRACTICAL - I
Pre-requisite Subject	- NONE -

Teaching Scheme (Hours per week)				Evaluation Scheme (Marks)		
Lecture	Tutorial	Practical	Credit	Practical (P)		Total Marks
				University Assessment	Continuous Assessment	Practical
NA	NA	12	6	100	50	150

PHARMACEUTICS PRACTICALS - I (Practical) 12 Hrs/week

1. Analysis of pharmacopoeial compounds and their formulations by UV Vis spectrophotometer.
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.
7. To perform In-vitro dissolution profile of CR/ SR marketed formulation.
8. Formulation and evaluation of sustained release matrix tablets.
9. Formulation and evaluation osmotically controlled DDS.
10. Preparation and evaluation of Floating DDS- hydro dynamically balanced DDS.
11. Formulation and evaluation of Mucoadhesive tablets.
12. Formulation and evaluation of transdermal patches.
13. To carry out preformulation studies of tablets.
14. To study the effect of compressional force on tablets disintegration time.
15. To study Micromeritic properties of powders and granulation.
16. To study the effect of particle size on dissolution of a tablet.
17. To study the effect of binders on dissolution of a tablet.
18. To plot Heckal plot, Higuchi and peppas plot and determine similarity factors.