

Subject Code: BP608P	Subject Title: Pharmacology-III - Practical
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	4	2	35	15	50

➤ **List of experiments (4 hours/week)**

1. Dose calculation in pharmacological experiments
2. Antiallergic activity by mast cell stabilization assay
3. Study of anti-ulcer activity of a drug using pylorus ligand (SHAY) rat model and
4. NSAIDS induced ulcer model.
5. Study of effect of drugs on gastrointestinal motility.
6. Effect of agonist and antagonists on guinea pig ileum.
7. Estimation of serum biochemical parameters by using semi- autoanalyser
8. Effect of saline purgative on frog intestine
9. Insulin hypoglycemic effect in rabbit
10. Test for pyrogens (rabbit method)
11. Determination of acute oral toxicity (LD50) of a drug from a given data
12. Determination of acute skin irritation / corrosion of a test substance
13. Determination of acute eye irritation / corrosion of a test substance
14. Calculation of pharmacokinetic parameters from a given data
15. Biostatistics methods in experimental pharmacology (student's t test, ANOVA)
16. Biostatistics methods in experimental pharmacology (Chi square test, Wilcoxon)
17. Signed Rank test)

**Experiments are demonstrated by simulated experiments/videos*