

## **PHARMACEUTICAL ANALYSIS-II**

**THEORY 3 hours/ week**

### **UNIT -I**

1. Gravimetric Analysis: Precipitation techniques, solubility products. The colloidal state, supersaturation, co-precipitation, post precipitation, Digestion, washing of the precipitate, Filtration, Filter papers, and crucibles, Ignition. Thermo gravimetric curves, specific examples like barium sulphate, aluminum as aluminum oxide, calcium as calcium oxalate and magnesium as magnesium pyrophosphate, organic precipitants.

### **UNIT –II**

1. Potentiometry and pH Meter
2. Conductometry

### **UNIT –III**

1. Polarography and Amperometry
2. Nephelometry and Turbidimetry.

### **UNIT –IV**

1. Diazotisation titrations, Kjeldahl method of nitrogen estimation,
2. Karl-Fischer titration, Oxygen flask combustion gasometry.

### **UNIT-V**

1. Radioimmuno Assays.
2. Electrophoresis