

**K.T.S.P Mandal's**  
**Hutatma Rajguru Mahavidyala**

**Rajgurunagar, Tal. Khed Dist. Pune**  
**Syllabus Completion Report Year 2022-23**

**Class: F. Y. B. Sc., Sem.-I**

**Name of Paper:** Chemistry Practical

**No. of Lectures allotted per week:** 04 For (3 ½) Batches

**Name of Teacher:** Prof. Kolekar S.S

Sr. No.	Name of Practical
1	Introduction, Determination of heat capacity of calorimeter for different volumes.
2	Determination of enthalpy of neutralization of hydrochloric acid with sodium hydroxide.
3	Determination of integral enthalpy of solution of salts (KNO <sub>3</sub> )
4	Measurement of the pH of buffer solutions and comparison of the values with theoretical values.
5	Preparation of buffer solutions Sodium acetate-acetic acid and determine its buffer capacity
6	To determine type and detection of extra elements (N, S, Cl, Br, I) in organic compounds (Thiourea)
7	To determine type and detection of extra elements (N, S, Cl, Br, I) in organic compounds (Chloroform)
8	To determine type and detection of extra elements (N, S, Cl, Br, I) in organic compounds (Aniline)
9	Separation of constituents of mixtures by Paper Chromatography: Measure the R <sub>f</sub> value in each case Amino acids
10	Identify and separate the sugars present in the given mixture by paper chromatography.
11	Repetition Physical Chemistry practical for late admitted students

  
Head

Department of Chemistry  
Hutatma Rajguru Mahavidyalaya,  
Rajgurunagar





Dr. Shirish S. Pingale  
Principal

Hutatma Rajguru Mahavidyalaya,  
Rajgurunagar, Tal. Khed, Dist. Pune.