

CHEMISTRY

CLASS-XI

PRACTICAL

- A. Basic laboratory Techniques.
1. Cutting glass tube and glass rod.
 2. bending a glass tube.
 3. Drawing out a glass jet
 4. Boring a cork
- B. Experiments related to all change
- a) Any one of the following experiments;
Determination of pH of some solutions obtained from fruit juices, solutions of known and varied concentrations of acid, bases and salts using pH paper or universal indicator.
Comparing the pH of solution of strong and weak acid of same concentration.
Study the pH change in the titration of a strong base using universal indication.
- b) Study of pH change by common ion effect in case of weak acids and weak bases.
- C. Qualitative analysis
- Using a chemical balance.
 - Preparation of standard solution of oxalic acid.
 - Determination of strength of a given solution of sodium hydroxide by titrating it against standard solution of oxalic acid.
 - Preparation of standard solution of sodium carbonate.
 - Determination of strength of a given solution of hydrochloric acid by titrating it against standard sodium carbonate solution.

Project

Scientific investigations involving

A few suggested Projects

- Checking the bacterial contamination in drinking water by testing sulphide ion. Study of the methods of p.
- Testing the hardness, presence of iron Hydride, chloride etc. depending upon the regional variation in drinking water and the study of causes of presence of these ions above permissible limit (if any).