

# Chemistry Lab

## List of Experiments

1. Measurement of  $10Dq$  by spectrophotometric method.
2. Conduct metric titration of strong acid vs. strong base.
3. Conduct metric titration of weak acid vs. strong base.
4. Determination of cell constant and conductance of solutions.
5. Potentiometer - determination of redox potentials and emfs.
6. Determination of Strength of an acid in Pb-Acid battery. (pH metry)
7. Preparation of a Bakelite
8. Verify Lambert-Beer's law. (Colorimetric estimation of iron)
9. Wavelength measurement of sample through UV-Visible Spectroscopy.
10. Identification of simple organic compounds by IR.
11. Preparation of nanomaterials by precipitation method.
12. Estimation of Ferrous Iron by Dichrometry.
13. Determination of surface tension and viscosity.
14. Determination of Hardness of water sample by EDTA Method
15. Determination of Dissolved Oxygen present in the given water sample by Modern Winkler's Method.
16. Determination of Chloride content present in given water sample