

**EXPERIMENTS**

1. Spectrophotometric determination of Fe(II) ions using 1,10-orthophenanthroline
2. Spectrophotometric determination of Ni(II) ions using dimethylglyoxime.
3. Spectrophotometric determination of Cr and Mn ions in a mixture of the two
4. Spectrophotometric Determination of Methyl Ethyl Ketone
5. Determination of  $pK_a$  value of indicators spectrophotometrically
6. Turbidometric determination of sulphate ions
7. Characterisation of functional group in organic compounds using IR spectroscopy
8. Structural Determination of Simple Organic Compounds Using  $^1H$ -NMR Spectrometry
9. Determination of the structure of an organic compound using UV, IR, NMR, and Mass spectra
10. Flame photometric determination of Na and K or Ca and Mg using internal standard method