



College of Pharmaceutical
Sciences and Drug Manufacturing
A college accredited by "NAQAAE"



PA 404

COURSE DESCRIPTION:-

This course includes Redox titrations Definitions, electrode potential & Nernst equation. Oxidation potential and factors affecting it. Redox titration curves Redox indicators, different oxidants titrations. Iodimetry & Iodometry, Bromometry. Electrochemistry Potentiometry theoretical basis, Reference electrodes, indicator electrodes for redox, complexometry, precipitometry and neutralization reactions Instrumentation, pH –meter, end point determination and applications.

- Conductometry, Theoretical basis, instrumentation application, determination of physical constants, purity of compounds and conductometric titrations.
- Polrography, theoretical basis, quantitation Ilkovič equation, polarogram, Instrumentation, application in pharmaceutical analysis.