

PHYSICAL CHEMISTRY (BS-ADP 7thSemester)

Module Code:	Chem-404
Module title:	Physical Chemistry Lab - II
Name of Scheme:	BS-ADP 7thSemester
Department:	School of Chemistry
Faculty:	Science
Module Type:	Compulsory
Module Rating:	1 credit

OBJECTIVES

Students will be able to learn spectrophotometric, potentiometric and polarimetric techniques and their use in various applications.

SYLLABUS OUTLINES

1. Determination of percentage composition of two coloured components in solution spectrophotometrically.
2. Study of kinetics of iodination of acetone using UV Visible Spectrophotometry.
3. Determination of concentration of HCl using standard solution of NaOH by potentiometric method.
4. Study of kinetics of inversion of cane sugar using polarimetry.
5. Study of kinetics of decomposition of benzene diazonium chloride.

RECOMMENDED BOOKS

1. Advanced Experimental Physical Chemistry by Ayodhya Sing.
2. Experimental Physical Chemistry by Daniel
3. Experimental Physical Chemistry by G.Peter Matthews.
4. Experiments in Physical Chemistry by Shoemaker.