

SYLLABUS :-

Prerequisite : CY20105

Kinetic theory of gases; Effusion; Transport properties of ideal gases & diffusion, thermal conductivity and viscosity; Molecular motions in liquids including electrolytic conduction; Introduction to thermodynamics of surfaces: surface energy; surface tension; adsorption isotherms, sintering and Tamman temperature; Colloidal state of matter; Properties of lyophilic and lyophobic colloids; Introduction to thermodynamics of electrified interfaces; Stability of colloidal solutions; Micelles and reverse micelles.

Book: Physical Chemistry by P.W. Atkins