Name of the Assistant Professor: Dr. Sushma

Class and Section: B.Sc. Medical and Non medical(6th Sem.)

Subject: Chemistry. Lesson plan session 2022-2023

April 2023

Solutions: Dilute Solutions and Colligative Properties, Ideal and non-ideal solutions, activity and activity coefficient, Raoult's law, relative lowering of vapour pressure, Elevation in boiling point and depression of freezing point, molecular weight determination, Osmosis, Thermodynamic derivation of relation between molecular weight and elevation in boiling point and depression in freezing point. Abnormal molar mass,degree of dissociation and association of solutes.

May 2023

Phase Equilibrium: phase component and degree of freedom, thermodynamic derivation of Gibbs phase rule, phase equilibria of one component system -water, Carbon dioxide and Sulphur systems. Phase equilibria of two component systems, solid-liquid equilipria, simple eutectic example Pb-Ag system. Desilveristaion of lead.

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