

Govt. College, Safidon (Jind)-126112

Session: 2024-25 (Even- Semester)

Lesson Plan

Class: B.Sc. III

Name of the Teacher: Ms. Anju

Subject: CHEMISTRY

Sr. No.	Months	Topic
1	January	Statistical Mechanics Maxwell distribution Law, Partition functions & their derivations
	February	Photochemistry: [Class Test] Jablonski diagram, Chemiluminescence, Thermal Reaction, Beer-Lambert's Law, [Assignment]
	March	Solutions and colligative properties ideal solution, Thermodynamic derivation of colligative properties Abnormal masses, [Assignment] [Class Test]
	April	Phase Equilibrium Gibbs Law, Phase diagram of water system, [Class Test]
	May	Revision

Govt. College, Safidon (Jind)-126112

Session: 2024-25 (Even- Semester)

Lesson Plan

Class: B.Sc I (Major)

Name of the Teacher: Ms Arju

Subject: CHEMISTRY

Sr. No.	Months	Topic
1	January	Covalent Bond: MOT of homonuclear and heteronuclear molecules, dipole moment and percentage ionic character
	February	Ionic solids: radius ratio rule, Born Haber cycle, Solvation energy & Fajan's Rule, <u>Assignment - I</u> , <u>Test</u>
	March	Chemical kinetics: order & molecularity Arrhenius equation. Distribution law, <u>Assignment - II</u> Alkanes & cycloalkanes, Markownikoff's rule, Alkenes, <u>class Test</u>
	April	Hydrogen Bonding and Vander Waal's forces, Metallic Bond and semiconductors: Qualitative idea of valence bond & Band theories of metallic bond.
	May	Revision

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Session: 2024-25 (Even- Semester)

Lesson Plan

Class: B.Sc I (Miner)

Name of the Teacher: Ms. Anjali

Subject: CHEMISTRY

Sr. No.	Months	Topic
1	January	Periodic table and atomic properties Atomic properties: Atomic & ionic radii, ionisation energy, electron affinity & E.N. trends in periodic table, Slater's Rule
	February	Ionic solids: Stoichiometric & Non- stoichiometric defects in crystals, Lattice energy & Born-Haber cycle, Solvation energy, Fajan's Rule, <u>Assignment-I</u> , <u>Test</u>
	March	Structure and Bonding in organic compounds Localized and delocalized chemical bond, Vander Waals interactions, Resonance, Inductive effect, <u>Assignment-II</u> , <u>Test</u>
	April	Gaseous State: K.T.G., Calculation of r.m.s., average & M.P. velocity, Collision no., collision frequency & mean free path <u>Test</u>
	May	Revision,