

GOVT. COLLEGE FOR WOMEN, MAHENDERGARH

DEPARTMENT OF CHEMISTRY

LESSON PLAN

Subject--Chemistry 4TH SEM

Name of Lecturer- VIRENDER SINGH

Sr.No	Month	Topic
1	Jan	Chemistry of d-block Elements -Position in periodic table, electronic configuration, oxidation states, colour, magnetic properties, catalytic properties, interstitial compounds, alloys.
2.	Feb	Theory of Qualitative Analysis - Principles of qualitative analysis, common ion effect, solubility product, group separation Qualitative Analysis-Identification of acidic and basic radicals, group reagents, confirmatory tests
3	March	Thermodynamics – I First law of thermodynamics, enthalpy, heat capacity, Hess's law, thermochemistry . Alcohol nomenclature, preparation methods, physical and chemical properties
4	April	Aldehydes and Ketones - Nomenclature, structure, preparation methods, nucleophilic addition reactions, important reactions (Aldol condensation, Cannizzaro reaction) .Revision & Internal Assessment. Complete syllabus revision and discussion of important questions Discussion + Doubt Clearing