

SARASWATI MAHILA MAHAVIDHYALAYA, PALWAL

LESSON-PLAN

Class: B.Sc IIIrd sem

Semester: ODD/EVEN

Subject: Inorganic chemistry

Session: 2020-21

Lecture Number	Topic
Lecture 1	Definition of transition elements and position in periodic table.
Lecture 2-4	General characteristic and properties of d-block elements
Lecture 5	Comparison of properties of 3d elements with 4d and 5d elements.
Lecture 6	Stability of various oxidation state
Lecture 7	Structure and properties of TiO_2
Lecture 8	Structure and properties of $FeCl_3$ and $CuCl_2$
Lecture 9	Structure and properties of $CuCl_2$ and $Ni(CO)_4$
Lecture 10	Weener's coordination theory of coordination compound
Lecture 11	Effective atomic number and chelates
Lecture 12	Nomenclature of coordination compounds
Lecture 13	Isomerism in coordination compounds
Lecture 14	Valence Bond theory of transition metal complexes
Lecture 15	Physical properties of solvents
Lecture 16	Type of solvents
Lecture 17	General characteristics of solvents
Lecture 18 -19	Reactions in non aqueous solvent - liq. NH_3
Lecture 20	Reactions in non aqueous solvents - liq. SO_2 .

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