

SARASWATI MAHILA MAHAVIDYALAYA, PALWAL

LESSON PLAN

Class: B.Sc Ist semester

Semester: ODD

Paper: Inorganic chemistry

Session: 2020-21

Lectures	Topic
lect. 18	VSEPR Theory
lect. 19.	Shape of NH_3 , H_3O^+ , SF_4 on the basis of VSEPR
lect. 20.	Shape of ClF_3 , ICl_2^- and H_2O acc. to VSEPR Theory
lect. 21	Molecular orbital theory (MOT)
lect. 22.	MOT for CO and NO (Bond strength and B.E.)
lect. 23.	Percentage Ionic character from dipole moment
lect. 24.	Percentage Ionic character from electronegativity difference.
lect. 25.	Ionic structure of NaCl, CsCl
lect. 26.	Ionic structure of ZnS and CaF_2
lect. 27.	Limitation of radius ratio rule, lattice defect
lect. 28	Semiconductors, lattice energy
lect. 29.	Born Haber cycle
lect. 30.	Solvation energy and its relation with solubility of ionic solids.
lect. 31	Polarizing power and Polarizability of Ions
lect. 32.	Fajan's rule.

Sumit