

LESSON PLAN- B.Sc 6th SEMESTER

SUBJECT- INORGANIC CHEMISTRY

TEACHER'S NAME- Dr. ANJU SIWACH

SESSION- 2022-23

WEEKS	SYLLABUS
10-01-2023 to 31-01-2023	B.Sc 1st, 3rd, 5th semester PRACTICAL EXAMINATION
01-02-2023 to 04-02-2023 06-02-2023 to 11-02-2023	Organometallic Chemistry Definition, nomenclature and classification of organometallic compounds. Preparation, properties, and bonding of alkyls of Li, Al
13-02-2023 to 18-02-2023	Preparation, properties, and bonding of alkyls Hg, and Sn
20-02-2023 to 25-02-2023	A brief account of metal-ethylenic complexes, Mononuclear carbonyls and the nature of bonding in metal carbonyls. (Assignment+ Unit Test)
27-02-2023 to 04-03-2023	Acids and Bases, HSAB Concept Arrhenius, Bronsted – Lowry, the Lux – Flood, Solvent system and Lewis concepts of acids & bases,
13-03-2023 to 18-03-2023	Relative strength of acids & bases
20-03-2023 to 25-03-2023	Concept of Hard and Soft Acids & Bases. Symbiosis, electronegativity and hardness and softness (Assignment+ Unit Test)
27-03-2023 to 01-04-2023	Bioinorganic Chemistry Essential and trace elements in biological processes, metallo-
03-04-2023 to 08-04-2023	porphyrins with special reference to haemoglobin and myoglobin.
10-04-2023 to 15-04-2023	Biological role of alkali and alkaline earth metal ions with special reference to Ca ²⁺ and Nitrogen fixation.
17-04-2023 to 22-04-2023	(Assignment+ Unit Test)

24-04-2023 to 29-04-2023	Silicones and Phosphazenes Silicones: preparation, properties,
01-05-2023 to 06-05-2023	Silicones: structure and uses
08-05-2023 to 13-05-2023	Phosphazenes: Preparation, properties, structure and uses. (Assignment+ Unit Test)
15-05-2023 to 16-05-2023	Revision
17-05-2023 onwards	MDU examination