

LESSON PLAN- B.Sc 4th 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	Chemistry of f – block elements Lanthanides Electronic structure, oxidation states
06-02-2023 to 11-02-2023	Ionic radii and lanthanide contraction
13-02-2023 to 18-02-2023	Complex formation, color of ions, Magnetic behaviour
20-02-2023 to 25-02-2023	Occurrence and isolation of lanthanide compounds. (Assignment+ Unit Test)
27-02-2023 to 04-03-2023	Chemistry of f – block elements: Actinides General features and chemistry of actinides,
13-03-2023 to 18-03-2023 20-03-2023 to 25-03-2023	Chemistry of separation of Np, Pu and Am from U,
27-03-2023 to 01-04-2023 03-04-2023 to 08-04-2023	Comparison of properties of Lanthanides and Actinides and with transition elements. (Assignment+ Unit Test)
10-04-2023 to 15-04-2023 17-04-2023 to 22-04-2023	Theory of Qualitative and Quantitative Inorganic Analysis Chemistry of analysis of various acidic radicals, Chemistry of analysis of various basic radicals,
24-04-2023 to 29-04-2023 01-05-2023 to 06-05-2023	Chemistry of identification of acid radicals in typical combinations, Chemistry of interference of acid radicals including their removal in the analysis of basic radicals.
08-05-2023 to 13-05-2023	Quantitative analysis of inorganic compounds (Assignment+ Unit Test)

15-05-2023 to 16-05-2023	Revision
17-05-2023 onwards	MDU examination