

LESSON PLAN- B.Sc (Hons.) Chemistry 2nd SEMESTER

SUBJECT- INORGANIC CHEMISTRY

TEACHER'S NAME- Dr. ANJU SIWACH

SESSION- 2023-23

WEEKS	SYLLABUS
10-01-2023 to 31-01-2023 01-02-2023 to 04-02-2023 06-02-2023 to 11-02-2023 13-02-2023 to 18-02-2023	<p>B.Sc 1st semester PRACTICAL EXAMINATION</p> <p>s-Block Elements: Comparative study, diagonal relationships, salient features of hydrides, solvation and complexation tendencies including their function in biosystems, an introduction to alkyls and aryls.</p> <p>Theory of Precipitation: theory, purification of precipitates, co-precipitation and post-precipitation (Assignment + Unit Test)</p>
20-02-2023 to 25-02-2023 27-02-2023 to 04-03-2023 13-03-2023 to 18-03-2023 20-03-2023 to 25-03-2023 27-03-2023 to 01-04-2023	<p>Theory of Qualitative and Quantitative Inorganic Analysis: Chemistry of analysis of various groups of basic and acidic radicals,</p> <p>chemistry of identification of acid radicals in typical combinations.</p> <p>Chemistry of interferences of acid radicals including their removal in the analysis of basic radicals. (Assignment + Unit Test)</p>
03-04-2023 to 08-04-2023 10-04-2023 to 15-04-2023 17-04-2023 to 22-04-2023	<p>p-Block Elements - I Comparative study (including diagonal relationship) of groups 13-17 elements,</p> <p>compounds like hydrides, oxides of groups 13-16 oxyacids and halides of groups 13-16,</p> <p>hydrides of boron - diborane and higher boranes, borazine, borohydrides. (Assignment + Unit Test)</p> <p>p-Block Elements - II Chemistry of fullereness, carbides, fluorocarbons, silicates (structural principle) tetrasulphur tetranitride,</p>

24-04-2023 to 29-04-2023	Basic properties of halogens, interhalogens and polyhalides. Chemistry of Noble Gases: Chemical properties of the noble gases,
01-05-2023 to 06-05-2023	Chemistry of xenon, structure and bonding in xenon compounds. (Assignment + Unit Test)
08-05-2023 to 13-05-2023	
15-05-2023 to 16-05-2023	Revision
17-05-2023 onwards	MDU examination