

## LESSON PLAN- B.Sc 4<sup>th</sup> SEMESTER

SUBJECT- INORGANIC CHEMISTRY

TEACHER'S NAME- Dr. ANJU SIWACH

SESSION- 2021-22

WEEKS	SYLLABUS
21-03-2022 to 31-03-2022	<b>B.Sc 1<sup>st</sup>, 3<sup>rd</sup>, 5<sup>th</sup> semester PRACTICAL EXAMINATION</b>  <b>Chemistry of f – block elements Lanthanides</b> Electronic structure, oxidation states  Ionic radii and lanthanide contraction  Complex formation, color of ions, Magnetic behaviour  Occurrence and isolation of lanthanide compounds.
01-04-2022 to 09-04-2022	
11-04-2022 to 16-04-2022	
18-04-2022 to 23-04-2022	
25-04-2022 to 30-04-2022	
02-05-2022 to 07-05-2022 09-05-2022 to 14-05-2022	<b>Chemistry of f – block elements: Actinides</b> General features and chemistry of actinides,  Chemistry of separation of Np, Pu and Am from U,  Comparison of properties of Lanthanides and Actinides and with transition elements.
16-05-2022 to 21-05-2022	
23-05-2022 to 28-05-2022	
30-05-2022 to 04-06-2022 06-06-2022 to 11-06-2022	<b>Theory of Qualitative and Quantitative Inorganic Analysis</b> Chemistry of analysis of various acidic and basic radicals,  Chemistry of identification of acid radicals in typical combinations, Chemistry of interference of acid radicals including their removal in the analysis of basic radicals.  Quantitative analysis of inorganic compounds
13-06-2022 to 18-06-2022	
20-06-2022 to 25-06-2022	

27-06-2022 to 01-07-2022 02-07-2022 onwards	Assignments, Viva, Test, Revision MDU examination
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