Lesson Plan

B. Sc. II Year (IVth Semester)

Paper-XI (CH-204) Inorganic Chemistry

Teacher name: Dr. Neha Aggarwal

April 2021

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| Chemistry of f-Block elements Lanthanides: Electronic structure, oxidation states, magnetic properties, complex formation, colour, ionic radii and lanthanide contraction, occurrence, separation of lanthanides, Lanthanide compounds  |

May 2021

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|  Actinides: General characteristics of actinides, chemistry of separation of Np, Pu and Am from uranium, Transuranic elements, comparison of properties of Lanthanides and actinides with transition elements. |

June 2021

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|  Theory of Qualitative and Quantitative Analysis Chemistry of analysis of various groups of basic and acidic radicals, chemistry of identification of acid radicals in typical combination, chemistry of interference of acid radicals including their removal in the analysis of basic radicals |

July 2021

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| Common ion effect, solubility product, theory of precipitation, co-precipitation, post precipitation, purification of precipitates. |