Lesson Plan

B. Sc. II Year (IIIrd Semester)

Paper-VIII (CH-201) Inorganic Chemistry

Teacher name: Dr. Neha Aggarwal

April 2021

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| Definition of transition elements, position in the periodic table, General characteristic properties of d-Block elements, Comparison of properties of 3d elements with 4d and 5d elements with reference only to ionic radii, oxidation state,  |

May 2021

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| magnetic and spectral properties and stereo chemistry. Stability of various oxidation states and e.m.f (Latimer and Frost diagrams), Structure and properties of some compounds of transition elements- TiO2, VOCl2, FeCl3, CuCl2 and Ni(CO)4. |

June 2021

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| Coordination Compounds Werner’s theory of coordination compounds, effective atomic number, chelates, nomenclature of coordination compounds, Isomerism in coordination compounds, valence bond theory of transition metal complexes. Non-aqueous solvents |

July 2021

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| Physical properties of solvents, types of solvents and their general characteristics, reactions in non aqueous solvents with reference to liquid NH3 and liquid SO2. 15 |