**Lesson Plan (2018-19)**

**Dr. Joginder**

BScII, Section A

Subject: Inorganic Chemistry

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| **Week** | **Date** | **Day** | **Topic** |
| **1** | **15 july 2018** | **Sunday** | ####################### |
| 18 july 2018 | Wednesday | **Chemistry of d-Block elements:** Definition of transition elements and position in the periodic table. |
| 19 july 2018 | Thursday | General Characteristic properties of d-Block elements. |
| **2** | **22 july 2018** | **Sunday** | #################### |
| 25 july 2018 | Wednesday | Comparison of properties of 3d elements with 4d and 5d elements with reference only to ionic radii. |
| 26 july 2018 | Thursday | Oxidation State of transition elements. |
| **3** | **29 july 2018** | **Sunday** | ################## |
| 01 Aug-2018 | Wednesday | Magnetic properties of Transition elements |
| 02 Aug-2018 | Thursday | Colour and Spectral properties of transition Elements. |
| **4** | **05 Aug-2018** | **Sunday** | ############### |
| 08 Aug-2018 | Wednesday | Stereo chemistry of Transition Elements. |
| 09 Aug-2018 | Thursday | Stability of various oxidation states and e.m.f (Latimer and Frost diagrams). |
| **5** | **12 Aug-2018** | **Sunday** | ###################### |
| 15 Aug-2018 | Wednesday | **Govt Holiday, Independence Day.** |
| 16 Aug-2018 | Thursday | Structure and properties of TiO2. |
| **6** | **19 Aug-2018** | **Sunday** | ################## |
| 22 Aug-2018 | Wednesday | **Govt holiday due to Bakrid(Id)** |
| 23 Aug-2018 | Thursday | Structure and properties of VOCl2 andFeCl3. |
| **7** | **26 Aug-2018** | **Sunday** | **Raksha Bandhan**  |
| 29 Aug-2018 | Wednesday | Structure and properties of CuCl2. |
| 30 Aug-2018 | Thursday | Structure and properties of Ni(CO)4. |
| **8** | **02 sept-2018** | **Sunday** | **################** |
| 05 sept-2018 | Wednesday | Introduction of Coordination Compounds |
| 06 sept-2018 | Thursday | Werner’s theory of coordination compounds. |
| **9** | **09 sept-2018** | **Sunday** | **##################** |
| 12 sept-2018 | Wednesday | Effective atomic number rule. |
| 13 sept-2018 | Thursday | Study of chelates. |
| **10** | **16 sept-2018** | **Sunday** | **#################** |
| 19 sept-2018 | Wednesday | Nomenclature of coordination compounds. |
| 20 sept-2018 | Thursday | Isomerism in coordination compounds |
| **11** | **23 sept-2018** | **Sunday** | **####################** |
| 26 sept-2018 | Wednesday | Isomerism in coordination compounds continues.. |
| 27 sept-2018 | Thursday | Class Test |
| **12** | **30 sept-2018** | **Sunday** | **###################** |
| 03 Oct-2018 | Wednesday | Valence bond theory of transition metal complexes |
| 04 Oct-2018 | Thursday | Valence bond theory of transition metal complexes continues.. |
| **13** | **07 Oct-2018** | **Sunday** | ###################### |
| 10 Oct-2018 | Wednesday | **Govt Holiday, Agarsen Jayanti** |
| 11 Oct-2018 | Thursday | Introduction of Non-aqueous solvents and Physical properties of solvents. |
| **14** | **14 Oct-2018** | **Sunday** | ################## |
| 17 Oct-2018 | Wednesday |  Types of solvents and their general characteristics. |
| 18 Oct-2018 | Thursday | **Govt. holiday, Dussehra** |
| **15** | **21 Oct-2018** | **Sunday** | ################### |
| 24 Oct-2018 | Wednesday | **Govt. Holiday, Maharishi Valmiki Jayanti** |
| 25 Oct-2018 | Thursday | Reactions in non aqueous solvents with reference to liquid NH3. |
| **16** | **28 Oct-2018** | **Sunday** | ############## |
| 31 Oct-2018 | Wednesday | Reactions in non aqueous solvents with reference to liquid SO2. |
| 01 Nov-2018 | Thursday | **Govt. holiday** |
| **17** | **04 Nov-2018** | **Sunday** | ################### |
| 06-13 |  | Vacation-I(Diwali) |
|  | 14 | Wednesday | KUK Exam |