**Lesson Plan (2018-19)**

**Dr. Jai Pal**

**BSc II(Non-Med & Med) Section-B**

**Subject: INORGANIC Chemistry(Days: Monday & Tuesday)**

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| **Week** | **Date** | **Day** | **Topic** |
| **1** | **15 july 2018** | **Sunday** | ####################### |
| 16 july 2018 | Monday | **Chemistry of d-Block elements:** Definition of transition elements and position in the periodic table. |
| 17 july 2018 | Tuesday | General Characteristic properties of d-Block elements. |
| **2** | **22 july 2018** | **Sunday** | #################### |
| 23 july 2018 | Monday | Comparison of properties of 3d elements with 4d and 5d elements with reference only to ionic radii. |
| 24 july 2018 | Tuesday | Oxidation State of transition elements. |
| **3** | **29 july 2018** | **Sunday** | ################## |
| 30 july 2018 | Monday | Magnetic properties of Transition elements, Colour and Spectral properties of transition Elements |
| 31 july 2018 | Tuesday | **Govt. Holiday** |
| **4** | **05 Aug-2018** | **Sunday** | ############### |
| 06 Aug-2018 | Monday | Stereo chemistry of Transition Elements. |
| 07 Aug-2018 | Tuesday | Stability of various oxidation states and e.m.f (Latimer and Frost diagrams). |
| **5** | **12 Aug-2018** | **Sunday** | ###################### |
| 13 Aug-2018 | Monday | Structure and properties of TiO2 |
| 14 Aug-2018 | Tuesday | Structure and properties of TiO2 |
| **6** | **19 Aug-2018** | **Sunday** | ################## |
| 20 Aug-2018 | Monday | Structure and properties of VOCl2 and  FeCl3. |
| 21 Aug-2018 | Tuesday | Structure and properties of VOCl2 and  FeCl3. |
| 22 Aug-2018 | Wednesday | **Govt holiday due to Bakrid(Id)** |
| **7** | **26 Aug-2018** | **Sunday** | **Raksha Bandhan** |
| 27 Aug-2018 | Monday | Structure and properties of CuCl2. |
| 28 Aug-2018 | Tuesday | Structure and properties of Ni(CO)4. |
| **8** | **02 sept-2018** | **Sunday** | **################** |
| 03 sept-2018 | Monday | **Govt Holiday, Krishan Janamashtmi** |
| 04 sept-2018 | Tuesday | **TEST(Sessional)** |
| **9** | **09 sept-2018** | **Sunday** | **##################** |
| 10 sept-2018 | Monday | Introduction of Coordination Compounds |
| 11 sept-2018 | Tuesday | Werner’s theory of coordination compounds. |
| **10** | **16 sept-2018** | **Sunday** | **#################** |
| 17 sept-2018 | Monday | VBT theory |
| 18 sept-2018 | Tuesday | Isomerism in coordination compounds |
| **11** | **23 sept-2018** | **Sunday** | **####################** |
| 24 sept-2018 | Monday | Nomenclature of coordination compounds. |
| 25 sept-2018 | Tuesday | Isomerism in coordination compounds |
| **12** | **30 sept-2018** | **Sunday** | **###################** |
| 01 Oct-2018 | Monday | **TEST** |
| 02 Oct-2018 | Tuesday | **Govt Holiday, Gandhi Jayanti.** |
| **13** | **07 Oct-2018** | **Sunday** | ###################### |
| 08 Oct-2018 | Monday | Valence bond theory of transition metal complexes |
| 09 Oct-2018 | Tuesday | Valence bond theory of transition metal complexes continues.. |
| **14** | **14 Oct-2018** | **Sunday** | ################## |
| 15 Oct-2018 | Monday | Introduction of Non-aqueous solvents and Physical properties of solvents |
| 16 Oct-2018 | Tuesday | Types of solvents and their general characteristics. |
| **15** | **21 Oct-2018** | **Sunday** | ################### |
| 22 Oct-2018 | Monday | Ammonia as non-aqueous solvents |
| 23 Oct-2018 | Tuesday | Sulphur dioxide as Non-aqueous solvents |
| **16** | **28 Oct-2018** | **Sunday** | ############## |
| 29 Oct-2018 | Monday | Types of solvents and their general characteristics. |
| 30 Oct-2018 | Tuesday | Types of solvents and their general characteristics. |
| **17** | **04 Nov-2018** | **Sunday** | ################### |
| 05 Nov-2018 | Monday | **Revision** |
| 06-13 |  | **Vacation-I(Diwali)** |
|  | 14 | Wednesday | **KUK Exam** |