

## Lesson Plan

**MCM DAV College for Women, Sector – 36A, Chandigarh**  
**Monthly Teaching Plans (Odd Semester)**  
**Session – (2023-24)**

**Name of the Teacher/s:** Dr. Nisha and Dr. Renu

**Department:** Chemistry

**Class:** B.Sc-II (3<sup>rd</sup> semester)  
Chemistry

**Subject:** Inorganic

S. No.	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
	From	To		
1	21-07-2023	03-08-2023	Characteristic Properties of d-block elements	Lecture
2	04-08-2023	19-08-2023	Properties of the elements of first transition series, Simple compounds and Complexes	Lecture
3	21-08-2023	28-08-2023	Illustrating relative stability of Oxidation States, Coordination number and geometry	Lecture
4	29-08-2023	14-09-2023	General characteristic and comparative treatment with 3d-analogues	Lecture and group discussion
5	15-09-2023	25-09-2023	Werners theory and its experimental validation, Effective atomic number concept and chelates.	Lecture
6	26-09-2023	04-10-2023	Nomenclature and isomerism of Coordination compounds	Group discussion
7	05-10-2023	20-10-2023	Valence bond theory of coordination metal complexes and their properties	Lecture
8	21-10-2023	Till exams	Uses of coordination compounds	Lecture and Group discussion

<b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans</b>	
30 <sup>th</sup> August, 2023	The teachers have completed the scheduled chapters and topics as shown in the lesson plan
<b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans</b>	
29 <sup>th</sup> Sept, 2023	The teachers have completed the scheduled chapters and topics as shown in the lesson plan

<b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans</b>	
31 <sup>st</sup> Oct, 2023	The teachers have completed the scheduled chapters and topics as shown in the lesson plan
<b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans</b>	
22 <sup>nd</sup> Nov, 2023	The teachers have completed the scheduled chapters and topics as shown in the lesson plan

**\*Any of these** – (i) Lecture Method; (ii) PPT; (iii) Online Sources; (iv) Group Discussion; (v) Case Studies etc. Other Methods adopted by the teacher – Please write the specific teaching method

## Lesson Plan

**MCM DAV College for Women, Sector – 36A, Chandigarh**  
**Monthly Teaching Plans (Even Semester)**  
**Session – (2022-23)**

**Name of the Teacher/s:** Dr. Rishu

**Department:** Chemistry

**Class:** B.Sc-II (4<sup>th</sup> Semester)

**Subject:** Inorganic Chemistry

S.No.	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
	From	To		
1	16-01- 2024	25 -01-2024	Electronic structure, oxidation states, ionic radii and lanthanide contraction.	Lecture
2	27.01.2024	16.02.2024	Complex formation, occurrence and isolation of lanthanides. General chemistry of actinides.	Lecture
3	17.02.2024	10.03.2024	Chemistry of separation of Np,Pu and Am from U. Similarity between the later actinides and the later lanthanides.	Lecture and Group Discussion
4	11.03.2024	28.03.2024	Arrhenius, Bronsted-Lowry, lux-Flood and solvent system concept, Lewis concept of acids and bases. Use of redox potential data, analysis of redox cycle and redox stability in water (Frost, Latimer and porbaix diagram).	Lecture
5	29.03.2024	08.04.2024	Principle involved in extraction of elements. Properties and type of solvent, general characteristics of solvent.	Lecture and Group Discussion
6	11.04.2024	Till exams	Reactions in non aqueous solvent (liquid ammonia and liquid SO <sub>2</sub> )	Lecture

<b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans</b>	
<b>24<sup>th</sup> Jan, 2024</b>	The teachers have completed the scheduled chapters and topics as shown in the lesson plan
<b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans</b>	
<b>3<sup>rd</sup> Feb, 2024</b>	The teachers have completed the scheduled chapters and topics as shown in the lesson plan
<b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans</b>	
<b>15<sup>th</sup>, March 2024</b>	The teachers have completed the scheduled chapters and topics as shown in the lesson plan
<b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans</b>	
<b>8<sup>th</sup> April, 2024</b>	The teachers have completed the scheduled chapters and topics as shown in the lesson plan

\***Any of these** – (i) Lecture Method; (ii) PPT; (iii) Online Sources; (iv) Group Discussion; (v) Case Studies etc. Other Methods adopted by the teacher – Please write the specific teaching method