

Lesson Plan

MCM DAV College for Women, Sector – 36A, Chandigarh
Monthly Teaching Plans (Odd Semester)
Session – (2024-25)

Name of the Teacher/s: Dr. Nisha and Dr.Archana

Department: Chemistry

Class: B.S c-II (3rd semester)

Subject: Inorganic Chemistry

S. No.	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
	From	To		
1	15-07-2024	14-08-2024	Characteristic Properties of d-block elements, Properties of the elements of first transition series, Simple compounds and Complexes, Illustrating relative stability of Oxidation States, Coordination number and geometry	Lecture and Group discussion
2	16-08-2024	31-08-2024	General characteristics and comparative treatment with 3d-analogues	Lecture
3	01-09-2024	15-10-2024	Werners theory and its experimental validation, Effective atomic number concept and chelates, Nomenclature and isomerism of Coordination compounds	Lecture and group discussion
4	16-10-2024	Till exams	Valence bond theory of coordination metal complexes and their properties, Uses of coordination compounds	Lecture

Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans	
31/7/2024	The teachers have completed the scheduled chapters and topics as shown in the lesson plan
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans	
31/8/2024	The teachers have completed the scheduled chapters and topics as shown in the lesson plan
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans	

30 th Sept, 2024	The teachers have completed the scheduled chapters and topics as shown in the lesson plan
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans	
26 th Oct, 2024	The teachers have completed the scheduled chapters and topics as shown in the lesson plan
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans	
14 th Nov, 2024	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 – (2024-25)

Name of the Teacher/s: Dr. Rishu

Department: Chemistry

Class: B. Sc-II (4th Semester)
Chemistry

Subject: Inorganic

S.No.	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
	From	To		
1	10.01. 2025	31 .01.2025	Electronic structure, oxidation states, ionic radii and lanthanide contraction, Complex formation, occurrence and isolation of lanthanides.	Lecture
2	01.02.2025	15.02.2025	General chemistry of actinides, Chemistry of separation of Np, Pu and Am from U, Similarity between the later actinides and the later lanthanides.	Lecture
3	17.02.2025	17.03.2025	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 and Group Discussion
4	18.03.2025	31.03.2025	Principle involved in extraction of elements. Properties and type of solvent, general characteristics of solvent.	Lecture
5	01.04.2025	Till exams	Reactions in non-aqueous solvents (liquid ammonia and liquid SO ₂)	Lecture and Group Discussion

Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans	
31 st Jan, 2025	The teachers have completed the scheduled chapters and topics as shown in the lesson plan
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans	
28 th Feb, 2025	The teachers have completed the scheduled chapters and topics as shown in the lesson plan
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans	
29 th , March 2025	The teachers have completed the scheduled chapters and topics as shown in the lesson plan
Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans	
19 th April, 2025	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