

Lesson Plan

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

Name of the Teacher/s: Dr. Rishu

Department: Chemistry

Class: B.Sc 2 (3rd semester)

Subject: Inorganic Chemistry

S.No.	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
	From	To		
1	25-08-2022	07-09-2022	Characteristic Properties of d-block elements	Lecture
2	08-09-2022	20-09-2022	Properties of the elements of first transition series, Simple compounds and Complexes	Lecture
3	21-09-2022	30-09-2022	Illustrating relative stability of Oxidation States, Coordination number and geometry	Lecture
4	1-10-2022	15-10-2022	General characteristic and comparative treatment with 3d-analogues	Lecture and group discussion
5	17-10-2022	24-10-2022	Werners theory and its experimental validation, Effective atomic number concept and chelates.	Lecture
6	25-10-2022	3-11-2022	Nomenclature and isomerism of Coordination compounds	Group discussion
7	4-11-2022	22-11-2022	Valence bond theory of coordination metal complexes and their properties	Lecture
8	23-11-2022	Till exams	Uses of coordination compounds	Lecture and Group discussion

Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans

10 th Oct, 2022	The teachers have completed the scheduled chapters and topics as shown in the lesson plan
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Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans

26 th Oct, 2022	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	
17 th Nov, 2022	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	
27 th Nov, 2022	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 2 (4th Semester)

Subject: Inorganic Chemistry

S.No.	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
	From	To		
1	16-01- 2023	25 -01-2023	Electronic structure, oxidation states, ionic radii and lanthanide contraction.	Lecture
2	27.01.2023	16.02.2023	Complex formation, occurrence and isolation of lanthanides. General chemistry of actinides.	Lecture
3	17.02.2023	10.03.2023	Chemistry of separation of Np,Pu and Am from U. Similarity between the later actinides and the later lanthanides.	Lecture and Group Discussion
4	11.03.2023	28.03.2023	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	29.03.2023	08.04.2023	Principle involved in extraction of elements. Properties and type of solvent, general characteristics of solvent.	Lecture and Group Discussion
6	11.04.2023	Till exams	Reactions in non aqueous solvent (liquid ammonia and liquid SO ₂)	Lecture

Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans	
24th Jan, 2023	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	
3rd Feb, 2023	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	
15th, March 2023	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	
8th April, 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