

Lesson Plan

MCM DAV College for Women, Sector – 36 A, Chandigarh

Monthly Teaching Plans (Odd Semester)

Session: 2025-26

Name of the Teacher: Dr. Qudrat, Dr. Rishu, Dr. Aanchal Batra, Dr. Nisha Dawra

Department: Chemistry

Class: B.Sc II (3st Semester)

Subject: Chemistry (CHM-SEC-3)

S.No.	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
	From	To		
1.	24-07-2025	31-08-2025	Introduction to Chromatography + Paper Chromatograph. Chromatography- Types: Paper, TLC, Column, Gas, HPLC (brief overview). Mobile vs Stationary phases. Rf values and how to calculate Safety in chromatography labs.	Practical
2.	01-09-2025	30-09-2025	Paper chromatography 1. Separation of dyes 2. Separation of carbohydrate molecules 3. Separation of a mixture of food colours 4. Separation of plant pigments 5. Separation of metal ions	Practical
3.	01-10-2025	31-10-2025	Thin layer chromatography 6. Preparation of TLC plates	Practical

			7. Separation and identification of Ni ²⁺ and Co ³⁺ ions 8. Separation of plant pigments 9. Separation of analgesic drugs 10. Separation of dyes 11. Determination of R _f values and identification of organic compounds	
4.	01-11-2025	10-11-2025	Column chromatography 12. Separation of leaf pigments 13. Separation of spinach extract 14. Separation of dyes	Practical

Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans	
27 th August, 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	
24 th Sept, 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 Oct, 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	
10 th Nov, 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