

## Lesson Plan

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

### Monthly Teaching Plans (Odd Semester)

Session: 2025-26

**Name of the Teacher:** Dr. Sagarika Dev, Dr. Qudrat, Dr. Shefali

**Department:** Chemistry

**Class:** B.Sc (1<sup>st</sup> Semester)

**Subject:** Chemistry (CHM-SEC-1)

S.No.	Date (Monthly)		Topics to be Covered	Academic Activity Undertaken*
	From	To		
1.	24-07-2025	31-08-2025	<b>INORGANIC CHEMISTRY</b>  1. Calibration and use of apparatus  2. Preparation of solutions of different Molarity/Normality of titrants  3. Acid-base titrations : Determination of the % purity of caustic soda  4. Determination of the strength of boric acid	Practical
2.	01-09-2025	30-09-2025	<b>INORGANIC CHEMISTRY</b>  1. Determination of the strength of $\text{Na}_2\text{CO}_3$ and $\text{NaHCO}_3$ in a mixture  2. Determination of alkali	Practical

			<p>in soap solution</p> <p>3. Determination of the number of molecules of water of hydration in washing soda</p>	
3.	01-10-2025	31-10-2025	<p><b>ORGANIC CHEMISTRY</b></p> <p>1. Calibration of the thermometer</p> <p>2. Determination of boiling points: Ethanol 78° , Cyclohexane 81.4° , Toluene 110.6° 6.</p> <p>3. Mixed melting point determination: Urea-Cinnamic acid mixture of various compositions (1:4,1:1,4:1)</p>	Practical
4.	01-11-2025	10-11-2025	<p><b>PHYSICAL CHEMISTRY</b></p> <p>1.Viscosity: a. To determine the viscosity of Brine Solution(20%), n-Butylalcohol, cyclohexane</p> <p>2. To determine the coefficient of viscosity of aqueous solution of (i) a polymer, (ii) glycerol, (iii) sugar at room temperature using the Ostwald viscometer</p> <p>3. Study the effect of the concentration of solute on the viscosity of sucrose solution.</p> <p>4.Study the effect of the concentration of micellar</p>	Practical

			solution on the coefficient of viscosity.	
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<b>Departmental Meeting to Coordinate and Review the Monthly completion of Syllabus as per lesson plans</b>	
27 <sup>th</sup> August, 2025	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>	
24 <sup>th</sup> Sept, 2025	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> Oct, 2025	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>	
10 <sup>th</sup> 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