

**DELHI PUBLIC SCHOOL, JAMMU**  
**SYLLABUS BIFURCATION**  
**SESSION- (2025-26)**

**CLASS-XI**

**SUB: CHEMISTRY**

Higher Secondary is the most crucial stage of school education. Therefore, there is a need to provide learners with sufficient conceptual background of chemistry. The new and updated curriculum is based on disciplinary approach with rigour and depth taking care that the syllabus is not heavy.

**OBJECTIVE OF THE THEORY:**

1. The students will be able to read, understand and critically interpret the Chemistry literature
2. The subject of Chemistry piques intellectual curiosity, increases awareness about chemistry.
3. The value of teaching Chemistry should focus on the importance of appreciating the natural world  
And physical and chemical processes..

**PRACTICAL AIM:** Student should be able to test theories developed about physical and chemical components by utilizing the scientific method and then to apply the new information in a beneficial way.

S.NO.	MONTH	NAME OF THE LESSON/TOPICS
1.	APRIL	Unit-1: Some basic concepts of chemistry Unit-2: Structure of Atom  ❖ Foundation worksheet : For Revision on- What is the difference between solute and solvent? ❖ Class test -I based on MCQ'S/ Assertion reasoning ❖ Assignment-I
2.	MAY	Unit-2: Structure of Atom continued Unit-3: Classification of Elements and Periodicity in Properties  ❖ Class test -II based on MCQ'S/ Assertion reasoning ❖ Assignment-II ❖ Revision sheet for cycle test
3.	JUNE	Unit-4: Chemical Bonding and Molecular Structure  ❖ Discussion and allotment of Investigatory Project allotted by CBSE
4.	JULY	Unit-4: Chemical Bonding and Molecular Structure continued ❖ Activity-I: To study Basic Laboratory Techniques

		1. Cutting glass tube and glass rod 2. Bending a glass tube 3. Drawing out a glass jet 4. Boring a cork ❖ Class test -III based on MCQ'S/ Case based study type questions ❖ Assignment-III
5.	AUGUST	Unit-5: Thermodynamics Unit-6: Chemical equilibrium  ❖ Activity-II: To determine the melting point of an organic compound. ❖ Class test -IV based on MCQ'S/ Case based study type questions ❖ Assignment-IV
5.	SEPTEMBER	Unit- 6: Ionic equilibrium cont. ❖ Revision and Sample paper ❖ Class test -V
<b>Practicals of Term-I completed along with syllabus</b>		
6.	OCTOBER	Unit- 7: Redox Reactions ❖ Activity-III: To determine the boiling point of an organic compound. ❖ Class test -VI based on MCQ'S/Assertion reasoning ❖ Assignment-V
7.	NOVEMBER	Unit- 8: Basic organic chemistry and their purification. ❖ Activity-IV: PPT on the topic- Classification of Elements and Periodicity in Properties ❖ Class test -VII based on MCQ'S/Assertion reasoning ❖ Assignment-VI
<b>Practicals completed along with syllabus</b>		
8.	DECEMBER	Unit- 9: Hydrocarbons ❖ Class test -VIII based on MCQ'S/Assertion reasoning ❖ Assignment-VII

9.	JANUARY	CBSE Sample paper practice ❖ Class test -IX based on MCQ'S/ Assertion reasoning case based ❖ Assignment-VIII
10.	FEBRUARY	Project checking and Practical revision and Revision of syllabus
11.	MARCH	Revision of syllabus for FINAL exam

### EXAM SCHEDULE

#### SYLLABUS OF CYCLE TEST-I

Unit- 1: Some basic concepts of chemistry

Unit- 2. Structure of Atom ( part-1)

#### SYLLABUS OF HALF YEARLY EXAMINATION

Unit- 1. Some basic concepts of chemistry

Unit- 2. Structure of Atom

Unit- 3. Classification of elements and their Periodicity in Properties

Unit- 4. Chemical Bonding and Molecular Structure

Unit- 5. Thermodynamics

#### SYLLABUS OF CYCLE TEST-II

Unit-6: Chemical equilibrium and Ionic equilibrium

Unit-7: Redox Reactions

Unit- 8: Basic organic chemistry and their purification.

#### SYLLABUS OF FINAL EXAMINATION

Unit- 1. Some basic concepts of chemistry

Unit- 2. Structure of Atom

Unit- 3. Classification of elements and their Periodicity in Properties

Unit- 4. Chemical Bonding and Molecular Structure

Unit- 5. Thermodynamics

Unit-6: Chemical equilibrium and Ionic equilibrium

Unit- 7: Redox Reactions

Unit- 8: Basic organic chemistry and their purification.

Unit-9: Hydrocarbons

**Subject Coordinator**

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