

**DELHI PUBLIC SCHOOL, JAMMU**  
**SYLLABUS BIFURCATION**  
**SESSION- (2023-24)**

**CLASS-XI**

**SUBJ: 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  ❖ Foundation worksheet : For Revision on- What is the difference between solute and solvent?
2.	MAY	Unit-2: Structure of Atom Unit-3: Classification of Elements and Periodicity in Properties  ❖ Revision and Sample paper
3.	JUNE	Unit-3: Classification of Elements and Periodicity in Properties. (Cont.)  ❖ Discussion and allotment of Investigatory Project allotted by CBSE
4.	JULY	Unit-4: Chemical Bonding and Molecular Structure ❖ 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 ❖ Assignment-I



5.	AUGUST	Unit-4: Chemical Bonding and Molecular Structure Unit-6: Thermodynamics  ❖ Activity-II: To determine the melting point of an organic compound. ❖ Assignment- II
5.	SEPTEMBER	Unit-7: Chemical equilibrium ❖ Revision and Sample paper
<b>Practicals of Term-I completed along with syllabus</b>		
6.	OCTOBER	Unit- 7: Ionic equilibrium cont. ❖ Activity-III: To determine the boiling point of an organic compound. ❖ Class test -I based on MCQ'S/ kahoot quiz
7.	NOVEMBER	Unit- 8: Redox Reactions Unit- 12: Basic organic chemistry and their purification. ❖ Activity-IV: PPT on the topic- Classification of Elements and Periodicity in Properties
<b>Practicals completed along with syllabus</b>		
8.	DECEMBER	Unit- 13: Hydrocarbons ❖ Class test -II based on case based study Assertion-reasoning
9.	JANUARY	CBSE Sample paper ❖ Class test -III based on CBSE syllabus
10.	FEBRUARY	Project checking and Practical revision and Revision of syllabus
11.	MARCH	Revision of syllabus

## EXAM SCHEDULE

### SYLLABUS OF FORMATIVE ASSESSMENT-I

Unit- 1: Some basic concepts of chemistry

### 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- 6. Thermodynamics

#### **SYLLABUS OF FORMATIVE ASSESSMENT-II**

Unit-7: Chemical equilibrium and Ionic equilibrium  
Unit- 8: Redox Reactions

Unit- 12: 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- 6. Thermodynamics  
Unit-7: Chemical equilibrium and Ionic equilibrium  
Unit- 8: Redox Reactions

Unit- 12: Basic organic chemistry and their purification.

Unit-13: Hydrocarbons

**Subject Coordinator**

