

DELHI PUBLIC SCHOOL, JAMMU
SYLLABUS BIFURCATION
SESSION- (2024-25)

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 ❖ 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 Unit-3: Classification of Elements and Periodicity in Properties ❖ Class test -II based on MCQ'S/ Assertion reasoning ❖ Assignment-II
3. (Cont.)	JUNE	Unit-3: Classification of Elements and Periodicity in Properties. ❖ 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

		<p>1. Cutting glass tube and glass rod 2. Bending a glass tube 3. Drawing out a glass jet 4. Boring a cork</p> <ul style="list-style-type: none"> ❖ Class test -III based on MCQ'S/ Case based study type questions ❖ Assignment-III
5.	AUGUST	<p>Unit-4: Chemical Bonding and Molecular Structure Unit-5: Thermodynamics</p> <ul style="list-style-type: none"> ❖ 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	<p>Unit-6: Chemical equilibrium</p> <ul style="list-style-type: none"> ❖ Revision and Sample paper ❖ Class test -V
Practicals of Term-I completed along with syllabus		
6.	OCTOBER	<p>Unit- 6: Ionic equilibrium cont.</p> <ul style="list-style-type: none"> ❖ Activity-III: To determine the boiling point of an organic compound. ❖ Class test -VI based on MCQ'S/Assertion reasoning ❖ Assignment-V
7.	NOVEMBER	<p>Unit- 7: Redox Reactions Unit- 8: Basic organic chemistry and their purification.</p> <ul style="list-style-type: none"> ❖ Activity-IV: PPT on the topic- Classification of Elements and Periodicity in Properties ❖ Class test -VII based on MCQ'S/Assertion reasoning ❖ Assignment-VI
Practicals completed along with syllabus		
8.	DECEMBER	<p>Unit- 9: Hydrocarbons</p> <ul style="list-style-type: none"> ❖ Class test -VIII based on MCQ'S/Assertion reasoning ❖ Assignment-VII
9.	JANUARY	<p>CBSE Sample paper practice</p> <ul style="list-style-type: none"> ❖ 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

EXAM SCHEDULE

SYLLABUS OF CYCLE TEST-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- 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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