



Sir Padampat Singhania Education Centre
Kamla Nagar, Kanpur

Lesson Plan
Session 2026- 2027
Class: XI

Subject : Chemistry
Book : NCERT

Subject Coordinator
Name: Ms. Kirti Sharma

Head of Department
Name: Mr. Arun Sharma

Sign:

Sign:



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Yearly Syllabus/Planning overview

Session: 2026 - 2027

Subject : _____Chemistry_____ Class : _XI_ No. of periods : ____

Month	Assessed in	Lesson/s to be covered	Period Count
April	April	Some basic concepts of chemistry	20
May	May	Atomic structure, Nomenclature of Hydrocarbon	17+17
June	July	Atomic structure	...
July	July	Periodic classification of elements, Chemical bonding	17
August	August	Chemical bonding , Redox reaction	16+18
September	September	Redox reaction , Basic concepts of organic chemistry	19
October	October	Basic concepts of organic chemistry, Hydrocarbon	28
November	November	Hydrocarbon, Equilibrium ,	28
December	December	Thermodynamics	15
January	January	Revision	
February		Practical/Exams	
March		Exams	

Subject coordinator:

HOD:



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Monthly Syllabus/Planning overview

Session: 2026 - 2027

Subject : Chemistry Class : XI No. of periods :

Month	Date/Week		Lesson/s to be covered in classroom	Period Count
	From	To		
April	Apr 06, 2026	Apr 30, 2026	Laws of chemical combination, mole concept and molar mass, Empirical and molecular formula, chemical reactions, stoichiometry and calculations based on stoichiometry	20
May	May 1, 2026	May 29, 2026	Numerical practice of Basic concepts of chemistry Discovery of Fundamental particles, Different model and their limitations. concept of shells and subshells, orbitals, quantum numbers, electronic configuration of atoms.	17
June	June 29, 2026	June 30, 2026	Revision of both chapters	17
July	July 1, 2025	July 31, 2025	Numerical practice of Atomic Structure Significance & classification of periodic table, periodic trends in properties of elements -atomic radii, ionic radii, inert gas radii, Ionization enthalpy, electron gain enthalpy, electronegativity, valency. Nomenclature of elements	
August	Aug 1, 2026	Aug 31, 2026	Different types of Bonds, VBT, Resonance, VSEPR theory, Hybridization, MOT, Hydrogen bond. Definition of redox reaction with examples	16+18
September	Sep 1, 2026	Sep 30, 2026	Redox reactions, Oxidation number, Balancing of redox reactions, Applications of redox reactions	19
October	Oct 1, 2026	Oct 31, 2026	General introduction, Purification methods, qualitative and quantitative analysis, classification and IUPAC nomenclature of organic compounds. Electronic displacements in a covalent bond: inductive effect, Electromeric effect, Resonance and Hyper conjugation. Homolytic and Heterolytic fission of a covalent bond- free radicals, carbocations, carbanions, Electrophiles and Nucleophiles, Types of organic reactions.	28
November	Nov 1, 2026	Nov 30, 2026	Equilibrium in physical and chemical processes, Law of mass action, Equilibrium constant & factors affecting, Le Chatelier's principle Ionic equilibrium- Ionization, types of electrolytes, degree of ionization, pH, pOH, hydrolysis of salts (elementary idea), Buffer solution, solubility product, Common ion effect.	28

Decemb er	Dec 1, 2026	Dec 31, 2026	Concepts of System and their types, surroundings, extensive and intensive properties, state functions. laws of thermodynamics, internal energy and enthalpy, heat capacity and specific heat, Hess's law of constant heat summation, enthalpy of bond dissociation, combustion, formation, atomization, sublimation, phase transition, ionization, solution and dilution. Entropy, Gibb's energy change for spontaneous and non-spontaneous processes	
Januar y	Jan 5, 2027	Jan 31, 2027	Revision	
Februar y	Feb 1, 2026	Feb 29, 2026	Revision and conduction of Practical exam	
March	Mar 1, 2027	Mar 31, 2027	Exams	

Subject coordinator:
principal/V. Principal

HOD:



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Weekly planning overview

Session: 2026 - 2027

Subject : _____ Chemistry _____ Class : _XI_ No. of periods : ____

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 3: 06/04/2026 to 11 /04/2026		Period Count: 5	
PD1	HOLIDAY	Revise	
PD2	Laws of Chemical combinations	Numericals	
PD3	Daltons atomic Theory, Avogadro's Hypothesis.	Numericals	
PD4	Mole Concept	NCERT back Questions	
PD5	Percentage Composition and Molecular Formula		
PD6	Mole Concept (Numerical)	NCERT back Questions	
WEEK 4: 13/04/2026 to 18/04/2026		Period Count: 6	
PD1	Mole Concept (Numerical) Revision of Numerical's of Mole Concept	Numericals	
PD2	HOLIDAY	NCERT Questions	
PD3	Numerical of M.F and E.F	NCERT Questions	
PD4	Stoichiometry of Chemical reactions	Numericals	
PD5	Stoichiometry of Chemical reactions (Numericals)	Revision at Home	
PD6	Percentage Composition and Molecular Formula	NCERT Questions	

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Session: 2026 - 2027

Subject : _____ Chemistry _____ Class : _XI_ No. of periods : ____

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _5_: _20/04/2026_ to _25/04/2026_		Period Count: _6_	
PD1	Limiting Reagent Concept and its Numericals	NCERT Questions	
PD2	Types of Concentrations. Molarity and Molality (Numericals)	NCERT Questions	
PD3	Mass and Volume percentage (Numericals)	NCERT Questions	
PD4	Mole Fraction, Parts per million and related Numericals	NCERT Questions	
PD5	Numericals based on Molarity and Molality	NCERT Questions	
PD6	Relation between molarity, mole fraction and Molality	NCERT Questions	
WEEK _6_: _28/04/2026_ to _2/05/2026_		Period Count: _5_	
PD1	Accuracy and precision, Significant figures and their Questions	NCERT Questions	
PD2	Introduction of Atomic structure.	NCERT Questions	
PD3	Discovery of Cathode Rays.	Revise at Home	
PD4	Discovery of proton (canal rays) and neutrons,	NCERT Questions	
PD5	HOLIDAY	NCERT Questions	
PD6	Electromagnetic Wave theory Photoelectric effect and its Numericals	NCERT Questions	

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Weekly planning overview

Session: 2026 - 2027

Subject : _____ Chemistry _____

Class : _XI_

No. of periods : _____

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 7 : 04/05/2026 to 09/05/2026		Period Count: 5	
PD1	HOLIDAY		
PD2	Photoelectric effect and its Numericals	NCERT Questions	
PD3	Hydrogen spectrum and its numerical	NCERT Questions	
PD4	Bohr's model and its limitations	NCERT Questions	
PD5	Heisenberg uncertainty principle	Revise at Home	
PD6	concept of shells and subshells, dual nature of matter and light,	Revise at Home	
WEEK 8 : 11/05/2026 to 16/05/2026		Period Count: 6	
PD1	concept of shells and subshells, dual nature of matter and light	NCERT Questions	
PD2	Numericals of Bohr's model	Revise at Home	
PD3	Numericals of Heisenberg uncertainty principle	Revise at Home	
PD4	NCERT back exercises		
PD5	NCERT back exercises		
PD6	NCERT exercises		

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Session: 2026 - 2027

Subject : _____ Chemistry _____

Class : _XI_ No. of periods: _3_

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 9 : 18/05/2026 to 23/05/2026			Period Count: 4
PD1	shapes of s, p and d orbitals	NCERT Questions	
PD2	Quantum no. and their applications	NCERT Questions	
PD3	Quantum no. (Numericals)		
PD4	Hund's rule, Pauli Exclusion principle, Aufbau Principle	NCERT Questions	
PD5	Nomenclature		
PD6	Nomenclature		
WEEK 10 : 25/06/2026 to 29/06/2026			Period Count: 6
PD1	Nomenclature		
PD2	Nomenclature, Isomerism		
PD3	HOLIDAY		
PD4	Isomerism		
PD5	Isomerism		
PD6	SUMMER BREAK		

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Session: 2026 - 2027

Subject : ____Chemistry____ Class : _XI_ No. of periods : ____

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _11_ : _01/06/2026_ to _06/06/2026_			Period Count: _6_
PD1	SUMMER BREAK		
PD2	SUMMER BREAK		
PD3	SUMMER BREAK		
PD4	SUMMER BREAK		
PD5	SUMMER BREAK		
PD6	SUMMER BREAK		
WEEK _12_ : _08/06/2026_ to _13/06/2026_			Period Count: _6_
PD1	SUMMER BREAK		
PD2	SUMMER BREAK		
PD3	SUMMER BREAK		
PD4	SUMMER BREAK		
PD5	SUMMER BREAK		
PD6	SUMMER BREAK		

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Session: 2026 - 2027

Subject : _____ Chemistry _____ Class : _XI_ No. of periods : ____

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _13_ : _15/06/2026_ to _20/06/2026_			Period Count: _5_
PD1	SUMMER BREAK		
PD2	SUMMER BREAK		
PD3	SUMMER BREAK		
PD4	SUMMER BREAK		
PD5	SUMMER BREAK		
PD6	SUMMER BREAK		
WEEK _14_ : _22/06/2026_ to _27/06/2026_			Period Count: _6_
PD1	SUMMER BREAK	Revise	
PD2	SUMMER BREAK	Revise	
PD3	SUMMER BREAK	Revise	
PD4	SUMMER BREAK		
PD5	SUMMER BREAK	Conceptual questions	
PD6	SUMMER BREAK	Conceptual questions	

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Subject : _____Chemistry_____

Class : _XI_

No. of periods : _____

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 15 : 29/06/2026 to 04/07/2026			Period Count: 5
PD1	Ionisation Energy and their variations along group and period	NCERT Questions	
PD2	Concept of Electron affinity and variations	NCERT Questions	
PD3	Electronegativity and variations	NCERT Questions	
PD4	Diagonal relationship	NCERT Questions	
PD5	Nomenclature of elements with atomic number greater than 100	NCERT Questions	
PD6	HOLIDAY	Revise	
WEEK 16 : 06/07/2026 to 11/07/2026			Period Count: 5
PD1	Conceptual Introduction of periodic table.(Group and periods)Questions & NCERT Questions		
PD2	Conceptual Atomic size of Atoms and Ions and their Gradations Questions & NCERT Questions		
PD3	Isoelectronic ions and their variations ,Concept of Ionisation Energy		
PD4	Revision	Revise at Home	
PD5	Revision	Revise at Home	
PD6	Introduction of Chemical Bonding and types of Bonds	Introduction of Chemical Bonding and types of Bonds	

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Class : __XI__

No. of periods :

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 17 : 13/07/2026 to 18/07/2026			Period Count: 6
PD1	Electrovalent bonds and their Properties		
PD2	Covalent bond and their properties		
PD3	Structure of compounds containing covalent and ionic Bonds	Revise at Home	
PD4	Formal Charge, Types of Covalent bonds(sigma and pi bonds)	Revise at Home	
PD5	Conceptual questions		
PD6	VSEPR Theory and their applications	Revise at Home	
WEEK 18 : 20/07/2026 to 25/07/2026			Period Count: 6
PD1	VBT and their applications	NCERT Questions	
PD2	Hybridisation and structures	NCERT Questions	
PD3	Hybridisation and structures	NCERT Questions	
PD4	Polar and Non – polar covalent bonds	NCERT Questions	
PD5	Covalent character in ionic compounds		
PD6	Molecular Orbital Theory and their energy diagrams	MOT diagram Questions	

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Session: 2026 - 2027

Subject : __Chemistry

Class : __XI__

No. of periods : __

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 19 : 27/07/2026 to 1/08/2026			Period Count: 5
PD1	Molecular Orbital Theory and their energy diagrams	MOT diagram Questions	
PD2	Hydrogen Bonding and Applications and their types.	NCERT Questions	
PD3	Revision of hybridization and VSEPR theory	NCERT Questions	
PD4	NCERT questions		
PD5	NCERT questions		
PD6	NCERT questions	Revise	
WEEK 20 : 03/08/2026 to 8/08/2026			Period Count: 5
PD1	Introduction of Redox reactions, Concept of Oxidation and Reduction	Learn	Introduction of Redox reactions, Concept of Oxidation and Reduction
PD2	Oxidation no. With various examples	NCERT Questions	Oxidation no. With various examples
PD3	Balancing of redox reactions by oxidation method	Various reactions to balance	Balancing of redox reactions by oxidation method
PD4	Balancing of redox reactions by oxidation method		
PD5	Balancing of redox reactions by oxidation method		

PD6	Balancing of redox reactions by oxidation method	Various reactions to balance	Balancing of redox reactions by oxidation method
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Session: 2026 - 2027

Subject : _____ Chemistry _____

Class : _XI_

No. of periods : _____

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 21 : 10/08/2026 to 15/08/2026		Period Count: 5	
PD1	Balancing of redox reactions by Ion electron method	NCERT Questions	Balancing of redox reactions by Ion electron method
PD2	Balancing of redox reactions by Ion electron method	NCERT Questions	Balancing of redox reactions by Ion electron method
PD3	Balancing of redox reactions by Ion electron method	NCERT Questions	Balancing of redox reactions by Ion electron method
PD4	Ncert questions practice		
PD5	Ncert questions practice		
PD6	HOLIDAY		
WEEK 22 : 17/08/2026 to 22/08/26		Period Count: 5	
PD1	Ncert questions practice		
PD2	Introduction of organic chemistry	Learn at Home	
PD3	Distinction between organic and inorganic compounds and their classification	Learn at Home	
PD4	Structural representation of organic molecules	Practise	

PD5	Classification and IUPAC of organic compounds	Learn at Home	
PD6	IUPAC of organic compounds	Practise	

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Session: 2026 - 2027

Subject : __Chemistry__

Class : __XI__

No. of periods :

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 23 : __24/08/2026__ to __29/08/2026__			Period Count: __5__
PD1	IUPAC of organic compounds	Practise	
PD2	Isomerism and its types	Practise	
PD3	Holiday	Practise	
PD4	Fundamental concept of organic reaction Mechanism	Learn	
PD5	Holiday		
PD6	Fundamental concept of organic reaction Mechanism	Learn	
WEEK 24 : __31/08/2026__ to __5/09/2026__			Period Count: __5__
PD1	Reaction intermediates, Electrophile and Nucleophile, Electron displacement effect in covalent bonds	Revise	
PD2	Types of Organic reactions and mechanism	Revise	
PD3	Methods of purification of organic compounds	Learn	

PD4	Reaction intermediates, Electrophile and Nucleophile, Electron displacement effect in covalent bonds	Revise	
PD5	HOLIDAY		
PD6	Revision		

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Session: 2026 - 2027

Subject : __Chemistry

Class : __XI__

No. of periods : __

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 25 : 7/09/2026 to 12/09/2026			Period Count: 6
PD1	Revision		
PD2	Reaction intermediates, Electrophile and Nucleophile, Electron displacement effect in covalent bonds		
PD3	Mechanism		
PD4	Revision		
PD5	Electron displacement effect in covalent bonds		
PD6	Revision		
WEEK 26 : 14/09/2026 to 19/09/2026			Period Count: 5
PD1	Preparation leave		
PD2	HALF YEARLY EXAMINATION		
PD3	HALF YEARLY EXAMINATION		

PD4	HALF YEARLY EXAMINATION		
PD5	HALF YEARLY EXAMINATION		
PD6	HALF YEARLY EXAMINATION	Revise	

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Weekly planning overview

Session: 2026 - 2027

Subject : Chemistry

Class : XI

No. of periods :

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 27 : 21/9/2026 to 26/9/2026			Period Count: 5
PD1	HALF YEARLY EXAMINATION	Practise	
PD2	HALF YEARLY EXAMINATION		
PD3	HALF YEARLY EXAMINATION		
PD4	HALF YEARLY EXAMINATION	Revise	
PD5	HALF YEARLY EXAMINATION	Revise	
PD6	HALF YEARLY EXAMINATION		
WEEK 28 : 28/9/2026 to 3/10/2026			Period Count: 4
PD1	HALF YEARLY EXAMINATION		
PD2	Copy correction		
PD3	Qualitative and Quantitative analysis of organic Compounds		

PD4	Introduction of Hydrocarbon, Classification of Hydrocarbon	Revise	
PD5	HOLIDAY		
PD6	NCERT Exercises		

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Sir Padampat Singhania Education Centre

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Session: 2026 - 2027

Subject : __Chemistry

Class : __XI__

No. of periods : __

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 29 : 05/10/2026 to 10/10/2026			Period Count: 6
PD1	Isomerism in alkanes, method of preparation of alkanes	Revise	
PD2	Method of preparation of alkanes	Practise	
PD3	Chemical properties of Alkanes	Revise	
PD4	Chemical properties of Alkanes	Practise	
PD5	Conformation of Alkanes	Practise	
PD6	General method of preparation of Alkenes	Practise	
WEEK 30 : 12/10/2026 to 17/10/2026			Period Count: 6
PD1	HOLIDAY		
PD2	HOLIDAY		
PD3	HOLIDAY		

PD4	HOLIDAY		
PD5	Physical properties of Alkenes	Revise	
PD6	Chemical properties of Alkenes	Practise	

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Session: 2026 - 2027

Subject : _Chemistry

Class : _XI_

No. of periods : ____

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 31 : 19/10/2026 to 24/10/2026			Period Count: 1
PD1	HOLIDAY	Revise	
PD2	HOLIDAY		
PD3	Methods of Preparation of Alkynes		
PD4	Physical properties of alkynes		
PD5	Chemical properties of alkynes		
PD6	Revision		
WEEK 32 : 26/11/2026 to 31/10/2026			Period Count: 4
PD1	Ncert questions	Practise	
PD2	Aromatic Hydrocarbon , ,	Revise	
PD3	Ncert questions		

PD4	Structure of Benzene	Practise	
PD5	Isomerism in Arenes	Learn	
PD6	Chemical Properties of Alkynes	Revise	

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Session: 2026 - 2027

Subject : Chemistry **Class** : ____ **No. of periods** : ____

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 33 : 2/11/2026 to 7/11/2026			Period Count: 6
PD1	Aromaticity	Practise	
PD2	Methods of preparation of benzene	Revise	
PD3	Physical properties of Arenes	Practise	
PD4	chemical properties of Arenes	Revise	
PD5	NCERT Exercises related to Alkanes	Practise	
PD6	NCERT Exercises related to Alkenes	Practise	
WEEK 34 : 9/11/2026 to 14/11/2026			Period Count: 6
PD1	Holiday	Practise	
PD2	Holiday	Practise	
PD3	Holiday	Practise	

PD4	NCERT Exercises related to Alkynes		
PD5	NCERT Exercises related to Alkynes	Practise	
PD6	Revision and Intext questions	Practise	

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Session: 2026 - 2027

Subject : _____ Chemistry _____ **Class** : XI **No. of periods** :

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 35 : 16/11/2026 to 21/11/2026			Period Count: 6
PD1	Revision and Intext questions		
PD2	Electrophilic reactions	NCERT back questions	Electrophilic reactions
PD3	Electrophilic reactions	NCERT back questions	Electrophilic reactions
PD4	Mechanism of Electrophilic reactions	Practise	Mechanism of Electrophilic reactions
PD5	Mechanism of Electrophilic reactions	Practise	Mechanism of Electrophilic reactions
PD6	Mechanism of Electrophilic reactions	Practise	Mechanism of Electrophilic reactions
WEEK 36 : 23/11/2026 to 28/11/2026			Period Count: 6
PD1	Electrophilic reactions	NCERT back questions	Electrophilic reactions
PD2	Holiday	Practise	Mechanism of Electrophilic reactions

PD3	Mechanism of Electrophilic reactions	Practise	Mechanism of Electrophilic reactions
PD4	NCERT back questions		
PD5	NCERT back questions		
PD6	NCERT back questions		

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Subject : Chemistry

Class : XI

No. of periods :

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 37 : 30/11/2026 to 5/12/2026			Period Count: 6
PD1	Introduction of Equilibrium	Learn at Home	Introduction of Equilibrium
PD2	Law of Chemical Equilibrium		Law of Chemical Equilibrium
PD3	Physical and Chemical process in Equilibrium	Learn at Home	Physical and Chemical process in Equilibrium
PD4	equilibrium constant	Learn at Home	equilibrium constant
PD5	Law of mass action & its applications		Law of mass action & its applications
PD6	Factors affecting equilibrium and Le- Chateliers Principle	Learn at Home	Factors affecting equilibrium and Le- Chateliers Principle
WEEK 38 : 7/12/2026 to 12/12/2026			Period Count: 6
PD1	Numericals based on equilibrium constant	Revise	Numericals based on equilibrium constant

PD2	Introduction of Ionic equilibrium		Introduction of Ionic equilibrium
PD3	Electrolytes and Non electrolytes and their types	Learn at Home	Electrolytes and Non electrolytes and their types
PD4	Degree of dissociation and their numericals		
PD5	Various concept of acids and Bases	Learn at Home	
PD6	Various concept of acids and Bases	Learn at Home	

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Subject : ____ Chemistry

Class : _XI_

No. of periods : ____

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 39 : __ 14/12/2026 __ to __ 19/12/2026 __		Period Count: __ 4 __	
PD1	Calculation of degree of dissociation for weak acid and weak base		
PD2	Ostwald dilution Law	Learn at Home	
PD3	Calculation of degree of dissociation for weak acid and weak base		
PD4	Strength of acid and bases		
PD5	Factors affecting acid strength	Learn at Home	
PD6	Relative strength of conjugate acid and base pair	Learn at Home	
WEEK 40 : __ 21/12/2026 __ to __ 26/12/2026 __		Period Count: __ 1 __	
PD1	Relative strength of conjugate acid and base pair		
PD2	Arrhenius concept		
PD3	Lowry bronsted concept		
PD4	Lewis concept		
PD5	HOLIDAY		
PD6	NCERT Questions		

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Session: 2026- - 2027

Subject : Chemistry Class : XII No. of periods :

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 41: 08/01/2027 to 16/01/2027			Period Count: 5
PD1	Ionisation constant of Water and its ionic product	Practise	
PD2	pH- Scale and its applications	Revise	
PD3	Numericals based on PH scale	Practise	Numericals based on PH scale
PD4	pOH and related Numericals	Practise	pOH and related Numericals
PD5	NCERT Questions		NCERT Questions
PD6	NCERT Questions 15 january MAKAR SANKRANTI(HOLIDAY)		
WEEK 42: 18/01/2027 to 23/01/2027			Period Count: 4
PD1	Solubility Product and its applications	Learn at Home	Solubility Product and its applications
PD2	Numerical based on solubility product	Practise	Numerical based on solubility product
PD3	NCERT Questions		
PD4	Introduction of Thermodynamics	Learn at Home	Introduction of Thermodynamics
PD5	Different types of systems and surrounding	Learn at Home	Different types of systems and surrounding
PD6	State functions and path functions	Learn at Home	State functions and path functions

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Subject : Chemistry Class : _XI_ No. of periods : ____

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 43 : 25/01/2027 to 30/01/2027			Period Count: 6
PD1	Thermodynamic processes(Isothermal, isobaric ,adiabatic and isochoric etc.)	Learn at Home	Thermodynamic processes(Isothermal, isobaric ,adiabatic and isochoric etc.)
PD2	Holiday		
PD3	Intensive and Extensive properties	Learn at Home	Intensive and Extensive properties
PD4	Internal Energy	Learn at Home	Internal Energy
PD5	Enthalpy and enthalpy changes	Learn at Home	Enthalpy and enthalpy changes, heat capacity ,Specific heat
PD6	Hess Law of constant summation and its numerical	Learn at Home	
WEEK 44 : 1/02/2027 to 6/02/2027			Period Count: 6
PD1	heat capacity ,Specific heat		
PD2	1 st and 2nd Law of thermodynamics with its limitations	Learn at Home	1 st and 2nd Law of thermodynamics with its limitations
PD3	Gibbs free energy and its spontainity	Learn at Home	Gibbs free energy and its spontainity
PD4	Concept of entropy and its applications	Learn at Home	Concept of entropy and its applications
PD5	3rd Law of thermodynamics and numericals	Learn at Home	3rd Law of thermodynamics and numericals
PD6	Revision		

Subject coordinator

Supervisor

Principal/V. Principal



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Weekly planning overview

Session: 2026 - 2027

Subject : Chemistry

Class : _XI_

No. of periods : ____

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK _45_ : _08/02/2027_ to _13/02/2027_			Period Count: _5_
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		
PD6	HOLIDAY		
WEEK _46_ : _15/01/2027_ to _20/01/2027_			Period Count: _5_
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		
PD6	Revision		

Subject coordinator

Supervisor

Principal/V. Principal



Sir Padampat Singhania Education Centre

Kamla Nagar, Kanpur

Weekly planning overview

Session: 2026 - 2027

Subject : Chemistry

Class : _XI_

No. of periods : ____

Period	Topic/s to be covered in classroom	Homework	Status (Yes/No) (Reason if No)
WEEK 47 : 22/02/2027 to 27/02/2027			Period Count: 5
PD1	Revision		
PD2	Revision		
PD3	Revision		
PD4	Revision		
PD5	Revision		
PD6	Revision		
WEEK 48 : 1/03/2027 to 6/03/2027			Period Count: 5
PD1	Revision		
PD2	Revision		
PD3	HOLIDAY		
PD4	Revision		
PD5	Revision		
PD6	Revision		

Subject coordinator

Supervisor

Principal/V. Principal