

Annual & Weekly Syllabus Split-Up - 2025-26
Class- XI Subject-Chemistry

S.No	Month	No. of Working Days		No. of Days	Topic	Sub Topic	Resources	Activity	Periodic Test 1	Pre Mid Term	Term-1	Post Mid Term	Annual
3	JUNE	19	Week 1	0		General Introduction: Importance and scope of Chemistry.							
			Week 2	6	some basic concept of chemistry	Nature of matter, laws of chemical combination, Dalton's atomic theory: concept of elements, atoms and molecules. Atomic and molecular masses, mole concept and molar mass, percentage composition,	NCERT, Senses Board, You Tube Videos	To bend the glass tube.					
			Week 3	6		empirical and molecular formula, chemical reactions, stoichiometry and calculations based on	NCERT, Senses Board,	To find the molarity of solution		√	√		√
			Week 4	6	Structure of atom	Discovery of Electron, Proton and Neutron, atomic number, isotopes and isobars. Thomson's model and its limitations. Rutherford's model and its limitations,	Senses board, Ncert,	To determine the strength of acid and base by titration .					
			Week 5	1		Bohr's model and its limitations, concept of shells and subshells, dual nature of matter and light, de Broglie's relationship,	Senses board, Ncert			√	√		√
4	JULY	27	Week 1	5		Heisenberg uncertainty principle, concept of orbitals,	Senses board, Ncert	To determine the strength of acid and base by titration					
			Week 2	6	Structure of atom	quantum numbers, shapes of s, p and d orbitals, rules for filling electrons in orbitals - Aufbau principle,	Senses board, Ncert						
			Week 3	6		Pauli's exclusion principle and Hund's rule, electronic configuration of atoms, stability of half-filled and completely filled orbitals.	Senses board, Ncert						
			Week 4	6	Classification of elements	Intuitive concept of force, Inertia, Newton's first law of motion; momentum and Newton's second law of motion; impulse; Newton's third law of motion. Law of conservation of linear momentum and its applications.	Senses board, Ncert				√		√
			Week 5	4		Significance of classification, brief history of the development of periodic table, modern periodic Law.	Senses board, Ncert						
	AUGUST		Week 1	2	Chemical bonding and molecular structure	Valence electrons, ionic bond, covalent bond, bond parameters, Lewis structure	PRE MID TERM EXAM				√		√
			Week 2	5		the polar character of covalent bond, covalent character of ion	PRE MID TERM EXAM						

[illegible]

8	NOVEMBER	23	Week 1	0	Hydrocarbons	Alkynes - Nomenclature, structure of triple bond (ethyne), physical properties, methods of preparation, chemical reactions: acidic character of alkynes, addition reaction of - hydrogen, halogens, hydrogen halides and water.	Senses board, Ncert						
			Week 2	5		Friedel Craft's alkylation and acylation, directive influence of functional group in monosubstituted benzene. Carcinogenicity and toxicity.	Senses board, Ncert						
			Week 3	6		Aromatic Hydrocarbons: Introduction, IUPAC nomenclature, benzene: resonance, aromaticity, chemical properties: mechanism of electrophilic substitution. Nitration, sulphonation, halogenation,	Senses board, Ncert						
			Week 4	6		Senses board, Ncert							
			Week 5	6	Hydrocarbons		Senses board, Ncert						
9	DECEMBER	20	Week 1	6	Equilibrium	Equilibrium in physical and chemical processes, dynamic nature of equilibrium- ionic equilibrium- ionization of acids and bases, strong and weak electrolytes, degree of ionization, ionization of poly basic acids, acid strength, concept of pH, hydrolysis of salts (elementary idea)	Senses board, Ncert Senses board, Ncert						
			Week 2	6		buffer solution, Henderson Equation, solubility product, common ion effect (with illustrative examples)	Senses board, Ncert	Salt analysis					√
			Week 3	6		degree of ionization, ionization of poly basic acids, acid strength, concept of pH, hydrolysis of salts (elementary idea),	Senses board, Ncert	Salt analysis					
			Week 4	6			Senses board, Ncert						
			Week 5	3		Senses board, Ncert							
10	JANUARY	22	Week 1	0	Revision		Senses board, Ncert						
			Week 2	6		Revision	Senses board, Ncert	Titration of Acid and Bases.					
			Week 3	5			Senses board, Ncert						
			Week 4	6	Revision	Revision	Senses board, Ncert						
			Week 5	5	Revision	Revision	Senses board, Ncert						
11	FEBRUARY	23	Week 1	6	Revision	Revision	Senses board, Ncert						
			Week 2	6	Revision	Revision	Senses board, Ncert						
			Week 3	5		Annual Examination	Annual Examination						
			Week 4	6		Annual Examination	Annual Examination						
			Week 5	0									
12	MARCH	22	Week 1	5									
			Week 2	6									
			Week 3	5									
			Week 4	5									
			Week 5	1									