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

S.No	Month	No. of Working Days		No. of Days	Торіс	Sub Topic	Resources	Activity	Periodic Test 1	Pre Mid Term	Term-1	Post Mid Term	Annual
3			Week 1	0		General Introduction: Importance and scope of Chemistry.							
	JUNE	19	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		٧	٧		٧
	JONE	13	Week 4	6		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	Structure of atom	Bohr's model and its limitations, concept of shells and subshells, dual nature of matter and light, de Broglie's relationship,	Senses board, Ncert			٧	٧		٧
4		Week 1 Week 2 G Senses board, Ncert Guantum numbers, shapes of s, p and d orbitals, rules for filling electrons in orbitals - Aufbau principle, Week 3 Senses board, Ncert Guantum numbers, shapes of s, p and d orbitals, rules for filling electrons in orbitals - Aufbau principle, Pauli's exclusion principle and Hund's rule, electronic configuration of atoms, stability of half-filled and completely filled orbitals.	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			Senses board, Ncert						
	JULY	27	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				٧		٧
			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	Valence electrons, ionic bond, covalent bond, bond parameters, Lewis structure	PRE MID TERM EXAM				√		٧
			Week 2	5	molecular structure	the polar character of covalent bond, covalent character of ior	PRE MID TERM EXAM						

						involving s, p and d orbitals and shapes of some simple	Senses board, Ncert							
5						molecules, molecular orbital theory of homonuclear								
		23	Week 3		Chamiaal	diatomic molecules(qualitative idea only), Hydrogen								
				5	Chemical	bond.								
				ek 4	- Thermodynamics	Concepts of System and types of systems, surroundings,	Senses board, Ncert							
			Week 4			work, heat, energy, extensive and								
				6		intensive properties, state functions.							V	
			Week 5	5	Revision	Revision	Revision							
			Week 1	5		MAID TERM EVANA	A ALD TEDA A EVANA							
			Week 2	6		MID TERM EXAM	MID TERM EXAM							
						Introduction of entropy as a state function, Gibb's	Senses board, Ncert							
		25				energy change for spontaneous and non-		Salt analysis						
			Week 3	š		spontaneous processes, criteria for equilibrium.								
	CEDTEN 40.50			6	,	Third law of thermodynamics (brief introduction).					٧	٧		
6	SEPTEMBER				Redox Reaction	Concept of oxidation and reduction, redox reactions,	Senses board, Ncert							
			Week 4			oxidation number, balancing redox								
						reactions, in terms of loss and gain of electrons and								
				6		change in oxidation number,						٧	٧	
)4/I- F			applications of redox reactions. IUPAC nomenclature of	Senses board, Ncert							
			Week 5	2		organic compounds.								
					Some basic concept	Electronic displacements in a covalent bond:inductive	Senses board, Ncert							
					of Organic	effect, electromeric effect, resonance and hyper								
			Week 1			conjugation. Homolytic and heterolytic								
			WEEK I			fission of a covalent bond: free radicals, carbocations,								
						carbanions, electrophiles and nucleophiles, types of								
				3		organic reactions							٧	
		OCTOBER 13 Week 2					Alkanes - Nomenclature, isomerism, conformation	Senses board, Ncert						
7	OCTOBER			(ethane only), physical properties, chemical reactions										
,	OCTOBER	13	Week 2			including free radical mechanism of halogenation,								
				6		combustion and pyrolysis.								
					,	Akenes - Nomenclature, structure of double bond (ethene),	NCERT, Senses Board,							
			Week 3		geometrical isomerism, physical									
				_		properties, methods of preparation,							[<u> </u>	
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			Week 4	0		diwali break								
			Week 5	0	1		1		1					

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			Week 1	0									
					Hydrocarbons	Alkynes - Nomenclature, structure of triple bond (ethyne),	Senses board, Ncert						
						physical properties, methods of							
			Week 2			preparation, chemical reactions: acidic character of alkynes,							
						addition reaction of - hydrogen,							
				5		halogens, hydrogen halides and water.							
						Friedel Craft's alkylation and acylation, directive	Senses board, Ncert						
8	NOVEMBER	23	Week 3			influence of functional group in monosubstituted							
				6		benzene. Carcinogenicity and toxicity.							
						Aromatic Hydrocarbons: Introduction, IUPAC	Senses board, Ncert						
						nomenclature, benzene: resonance, aromaticity,	·						
			Week 4			chemical properties: mechanism of electrophilic							
				6		substitution. Nitration, sulphonation, halogenation,							
			Week 5	6	Hydrocarbons	, , , , , , , , , , , , , , , , , , , ,	Senses board, Ncert						
			Week 1	6	,	Equilibrium in physical and chemical processes, dynamic natu							
		20	Week 2			ionic equilibrium- ionization of acids and bases, strong	Senses board, Ncert						
	1					and weak electrolytes, degree of ionization,							
						ionization of poly basic acids, acid strength, concept of							
	DECEMBER			6		pH, hydrolysis of salts (elementary idea)		Salt analysis					V
9				0		pri, riyar orysis or saits (ciementary raea)	Senses board, Ncert	- Control of the Cont					-
			Week 3	6		buffer solution, Henderson Equation, solubility product,	Jenses Board, Neert	Salt analysis					
			Week 4	6	Equilibrium	common ion effect (with illustrative	Senses board, Ncert	Salt allalysis					
			WEEK 4	U	Equilibrium	degree of ionization,	Senses board, Ncert						
			Week 5			ionization of poly basic acids, acid strength, concept of pH,	Senses board, NCert						
			Week 3	3		hydrolysis of salts (elementary idea),							
			Week 1	0		nyarorysis or suits (cicimentary facult,	Senses board, Ncert						
			Week 2	6		Revision	Senses board, Neert	Titration of Acid and Bases.					
10	JANUARY	22	Week 3	5	Revision	nevision	Senses board, Ncert						
10	37 11 10 7 11 11		Week 4	6	Revision	Revision	Senses board, Ncert						
			Week 5	5	Revision	Revision	Senses board, Ncert						
			Week 1				Senses board, Ncert						
		23	Week 2	6	Revision	Revision	Senses board, Ncert						
11	FEBRUARY		Week 3	6 5	Revision	Revision	Annual Examination						
	1 2511071111					Annual Examination							
			Week 4 Week 5	6 0		Annual Examination	Annual Examination						
-	1		Week 1					+					
				5									
12	MARCH	22	Week 2	6			ļ						
12	IVIANCE	22	Week 3	5			ļ						
			Week 4	5			ļ						
			Week 5	1					1		l	l	