

N. C. JINDAL PUBLIC SCHOOL,PUNJABI BAGH, NEW DELHI

ANNUAL CURRICULUM M-2018 -2019

CLASS: XI	SUBJECT: Chemistry		SUBJECT TEACHER(PREPARED BY): Sonika Madan		DESIGNATION: PGT Chemistry		
Syllabus Topic	Academic Book	Chapter	Chapter Topic	Term	Start Date	End Date	No. of Periods
Basic concepts of chem.	N.C.E.R.T chemXI	Unit-1 some basic	Gen introduction,	1	2-Jul	7-Jul	5
		concepts of chem	importance & scope of				
			chemistry,nature of				
			matter				
		continued	atomic & molecular	1	8-Jul	9-Jul	2
			mass mole concept,%				
			composition, emperical&				
			molecular formula,				
Structure of atom	N.C.E.R.T chemXI	UNIT-2 Structure of atom	Discovery of electron ,	1	10-Jul	16-Jul	6
			proton, neurton, thomson				
			rutherford, bohr model				
			dual nature, debroglie				
			Heisenberg's princple,	1	17-Jul	20-Jul	4
			orbital, quantam No.,				
			rule elect conf, stability				
arangment of elements	N.C.E.R.T chemXI	UNIT 3 classification of	modern perodic table				
bonding in covalent		elements	perodic trends of props.	1	21-Jul	29-Jul	6
compounds		UNIT-4 Chemical bonding	Valence electron& covale				
		& molecular structure	nt bond, resonanceVSEPR	1	30-Jul	4-Aug	5
Chemical bonding	N.C.E.R.T chemXI	CONT.	VBT, hybridisation,				
			hydrogen bonds	1	6-Aug	10-Aug	5
States of matter	N.C.E.R.T chemXI	UNIT-5 States of matter	intermolecular interaction,	1	13-Aug	21-Aug	7
			laws of gas& ideal gas eq				
Contd		contd.	vandarwaal eqn. liquification	1	21-Aug	25-Aug	5
			of gases, factors,				

			liquid states, viscosity, solids				
Thermodynamics	N.C.E.R.T chemXI	UNIT-6 Thermodynamics	Concept of system, heat	1	27-Aug	31-Aug	5
			capacity work, state				
			function, enthalpy of	1	1-Sep	8-Sep	5
			combustion, 1st, 2nd & 3rd				
			law of T.D				
Equilibrium	N.C.E.R.T ChemXI	UNIT-7 Equilibrium	Equilibrium in physical &	2	8-Sep	12-Sep	4
			chem process, Le Chatelier				
			principle				
Equilibrium	N.C.E.R.T CHEM XI	Contd.	ionic equilibrium strong	2	1-Oct	5-Oct	4
			electrolyte acid strength				
		Contd.	hydrolysis of salts				
			solubility products				
Redox reaction	N.C.E.R.T CHEM	UNIT-8 Redox reaction	redox reaction, oxidation	2	7-Oct	12-Oct	5
			no.				
		contd.	balancing of redox reaction				
		contd.	balancing by ion electron				
			method				
		contd.	electrode potential &				
			galvanic cell				
Inorganic chemistry	N.C.E.R.T chem	UNIT-9 Hydrogen	types of hydrides, heavy	2	15-Oct	23-Oct	5
			water				
		UNIT-10 S-Block element	element E.C, Diagonal	2	25-Oct	31-Oct	5
			relationship				
		contd.	trends in variation of props.				
		UNIT-11 P-Block element	Group 13 elements, props.	2	1-Nov	20-Nov	10
			& compounds				
		contd.	group 14 elements, &				
			, group 15				
Organic chemistry	N.C.E.R.T CHEM XI	UNIT 12 Organic chemistry	classification of organic	2	1-Dec	27-Dec	20
		some basic principle	compounds & IUPAC				
			nomenclature				
		contd.	electronic displacement				
		contd.	hyperconjugation &				

			resonance				
		contd.	free radical carbonation				
			electrophile, types of				
			organic reaction				
		UNIT-13 Hydrocarbon	Alkanes	2	28-Dec	6-Feb	20
			Nomenclature,Isomers and				
			chemical reaction				
		contd.	Alkynes				
			preparation and properties				
			aromatic hydro carbon				
		contd.	Reaction of aromatic				
			hydrocarbon				
Environmental Chemistry	NCERT XI	Unit XIV	Environment pollution,acid	2	7-Feb	15-Feb	7
		Environmental Chemistry	rain,Ozone hole ,Green				
			house Effect,photo chemical				
			smog				
			Revision for annual exam				
					Annual exam		

Prepared By Name

Sign

Co-ordinator Name

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ANNUAL CURRICULUM

CLASS:	XI	Subject: Chemistry	
Sl. No.	PT 1 (23-7-2018 to 20 th aug 2018)	Chapter/Topic	Max. Marks
1		Ch-1 Some Basic	15 Marks
		Chemistry	
		Ch-2 Structure of Atom	15 Marks
		Ch-3 Classification of	10 Marks
		Elements	total =40 marks
2	Hy(14 Sept-29 Sept 2018)	CH 1	12
		CH 2	15
		CH 3	10
		CH 4	15
		CH 5	18
3	PT 2 -29 oct to 3 dec 2018	CH 6	15
		CH 7	15
		CH 8	10
		Total	40 marks

Annual Exam (25 feb 2019 -12 march 2019))

CLASS:	XI			Subject: Chemistry
Sl. No.	SA/Term/Pre-Board	Chapter/Topic	Max. Marks	
1	Unit I	Some Basic concept	11 Marks	
		Chemistry		
	Unit II	Structure of Atom		
	Unit III	Classification of	04 Marks	
	IV	Chemical Bonding	21 Marks	
	V	States of Matter		
	VI	Thermodynamics		
	VII	Equilibrium		
	Unit VIII	Redox reaction	16 Marks	
	IX	Hydrogen		
	X	S- Block Elements		
	XI	P- block elements		
	Unit XII	Organic Chemistry-	18 Marks	
	XIII	baisc principles		
	XIV	Hydrocarbons		
		Environmental		
		Total Theory	70 Marks	
		practicals	30 Marks	
		Total	100 Marks	

Co-ordinator Name

Sign

Subject Teacher