Lesson Plan

C.R.D.A.V. GIRLS COLLEGE, ELLENABAD

Name of Assistant Professor: Dr. Vishal Saini Class: B.Sc-I, Sem-II, Subject: CHEMISTRY

WEEK	DATE	TOPICS COVERED
VVLLN		
	1-JAN 2018	INORGANIC CHEMISTRY
		Hydrogen Bonding- Definition, Types and Effects
1	2-JAN 2018	Effects and Applications of Hydrogen Bonding
1	3-JAN 2018	Reasoning questions based on Hydrogen Bonding
	4-JAN 2018	Vanderwall Force and effects on properties
	5-JAN 2018	Metallic Bond :VBT, Effects
	6-JAN 2018	Band Theory
	7-JAN 2018	SUNDAY
	8-JAN 2018	Semiconductors, Types and Applications
	9-JAN 2018	Brief Revision of Chapter
2	10-JAN 2018	Class Test
_	11-JAN 2018	General Characteristics of S-block elements group-1
	12-JAN 2018	Chemical Characteristics of S-block elements group-1
	13-JAN 2018	Anomalous behavior of Li
	14-JAN 2018	SUNDAY
	15-JAN 2018	General Characteristics of S-block elements group-2
	16-JAN 2018	Chemical Characteristics of S-block elements group-2
	17-JAN 2018	Anomalous behavior of Be and Comparative study of Gp-1 and 2
3	18-JAN 2018	Reasoning Questions Based on Group Characteristics
	19-JAN 2018	Solvation, behavior in liquid ammonia
	20-JAN 2018	Complex formation, Crown ether and Cryptates
	21-JAN 2018	SUNDAY
	22-JAN 2018	VASANT PANCHAMI
	23-JAN 2018	Class Test
4	24-JAN 2018	Sir Chhotu Ram Jayanti
	25-JAN 2018	Discovery and General Characteristics of Noble gases
	26-JAN 2018	Republic Day
	27-JAN 2018	Compounds of Noble Gases Reasoning based Questions
	28-JAN 2018	SUNDAY
5	29-JAN 2018	General Characteristics of p-Block Elements
	30-JAN 2018	Gp-13 Characters , Diborane
	31-JAN 2018	Borazine and Aluminum Chloride

WEEK	DATE	TOPICS COVERED
1	1-Feb 2018	Gp-14 Characters , Carbides and Fluorocarbons
	2-Feb 2018	Silicates and Silicons
	3-FEB2018	Gp-15 Characters , Oxides of N and P
	4-FEB 2018	SUNDAY
	5-FEB 2018	Oxyacids of P and N, Allotropic form of P
	6-FEB 2018	Gp-16 Characters , Oxides and Oxyacids of S
2	7-FEB2018	Hydrogen Peroxides
	8-FEB 2018	Gp-17 Characters , Oxides and Oxyacids of Cl
	9-FEB 2018	Interhalogen Compounds Brief Revision of Chapter,
		ASSIGNMENT-1 ALLOTED TO STUDENTS
	10-FEB 2018	Maharishi Dayanand Saraswati Jayanti
	11-FEB 2018	SUNDAY
	12-FEB 2018	Class Test
	13-FEB 2018	PHYSICAL CHEMISTRY
		Introduction, Rate of reaction, types of rate, factor affecting
3	14-FEB 2018	Arrhenius equation, role of Catalyst on Rate with Graphical
3		representation
	15-FEB 2018	Collision Theory
	16-FEB 2018	Transition State Theory, Comparison of both theories
	17-FEB 2018	Molecularity, Order, Rate Equation, Rate Constant
	18-FEB 2018	SUNDAY
	19-FEB 2018	Rate Expression of Zero and First Order and Characteristics
	20-FEB 2018	Examples of First Order Reactions and Pseudo-first order reaction
	21-FEB 2018	Rate Expression of second order and examples
4	22-FEB 2018	Rate Expression of third order, Methods to determine order of reaction
4	23-FEB 2018	Numericals
	24-FEB 2018	Revision of Chapter
	25-FEB 2018	SUNDAY
5	26-FEB 2018	Revision of Chapter, Assignment –II alloted
	27-FEB 2018	Seasonal Test
	28-FEB 2018	Science Day Celebration

WEEK	DATE	TOPICS COVERED
1	1-MAR 2018	Query Discussion
	2-MAR 2018	HOLI
	3-MAR2018	Holiday
	4-MAR 2018	SUNDAY
	5-MAR 2018	Introduction, Ionization and factors, Arrhenius Theory of Ionization,
2		Strong and Week electrolyte
	6-MAR 2018	Ostwald Dilution law and Numericlas
	7-MAR2018	Types of conductance, Variation with concentration, Numericals
	8-MAR 2018	Kohlrausch's Law and Applications with numerical
	9-MAR 2018	Debye Huckel Theory
	10-MAR 2018	Comparison of Theories and Revision
	11-MAR 2018	SUNDAY
	12-MAR 2018	EMF of Cell, Electrode potential determination, Electrochemical Series
	13-MAR 2018	Numarical of Electrochemical Series
	14-MAR 2018	Nernst Equation and its applications
3	15-MAR 2018	Gibbs free energy and equilibrium constant
3	16-MAR 2018	Numericals
	17-MAR 2018	Solubility and Solubility product and Nmericals
	18-MAR 2018	SUNDAY
	19-MAR 2018	pH and Numericals
	20-MAR 2018	Buffer Solution, Types, pH of Buffer and Numericals
	21-MAR 2018	Salt Hydrolysis, Conductometric titrations
4	22-MAR 2018	Applications of Conductance measurements
4	23-MAR 2018	Shaheedi Diwas
	24-MAR 2018	Revision of Chapter
	25-MAR 2018	SUNDAY
	26-MAR 2018	ORGANIC CHEMISTRY
		Aromaticity, Huckel Rule, Examples, Aromatic, nonaromatic and
		antiaromatic compounds
5	27-MAR 2018	Aromatic Electrophilic Substitution Reactions with Mechanisms
	28-MAR 2018	Energy Profile Diagrams
	29-MAR 2018	MAHAVEER JAYANTI
	30-MAR 2018	Activation, Deactivation and Orientation
	31-MAR 2018	Problems Related

WEEK	DATE	TOPICS COVERED
1	1-APR 2018	SUNDAY
	2-APR 2018	Dienes; Nomenclature, classification, conjugation, Structure of
		butadiene
	3-APR2018	Chemicals Reactions of 1,2 and 1,4 addition , Diels Alder Reaction
	4-APR 2018	Alkyne Nomenclature, Bonding, Formation
	5-APR 2018	Chemical Reactions of Alkyne and Acidic Character
	6-APR 2018	Mechanism of Electrophilic and Nucleophilic addition reactions
2	7-APR2018	Revision of Chapter
_	8-APR 2018	SUNDAY
	9-APR 2018	Nomenclature, Classification and Preperation of Alkyl Halide
	10-APR 2018	Chemical Reactions and Stereochemistry of SN reactions
	11-APR 2018	Energy Profile Diagrams and comparision of SN1 and SN2
	12-APR 2018	Methods of Formation of Aryl halides, Reasoning Questions
	13-APR 2018	Chemical Reactions of Aryl HAlide
	14-APR 2018	Dr. Ambedkar Jayanti
3	15-APR 2018	SUNDAY
3	16-APR 2018	Addition Elimination and Elimination addition reactions
	17-APR 2018	Reactivity of alkyl, vinyl, allyl and aryl halides
	18-APR 2018	Parashu Rama Jayanti
	19-APR 2018	Reasoning Questions
	20-APR 2018	Revision
	21-APR 2018	Revision
4	22-APR 2018	SUNDAY
4	23-APR 2018	Class Test
	24-APR 2018	Revision
	25-APR 2018	Revision
	26-APR 2018	Revision
	27-APR 2018	Revision
	28-APR 2018	Revision
5	29-APR 2018	SUNDAY
	30-APR 2018	Revision