Dayanand Mahila Mahavidyalaya, Kurukshe

Lesson Plan (Odd Semester)

Session 2024-25 (22.07.2024 to 22.11.2024)

Name of teacher: Mrs. Asha Malik

Subject Chemistry

Date	Class B.Sc. I (Major)	Class B.Sc.II (Major)
	Semester I	**Semester III**
22.07.2024	Orientation Day	Bridge Course
23.07.2024	Orientation Day	Chapter Electrochemistry I electrolytic conduction, factors affecting electrolytic conduction
24.07.2024	Chapter: structure and bonding -localised and delocalised chemical bond , van de waals interactions	specific conduction, molar conduction, equivalent conduction and their relationship
25.07.2024	resonance conditions, resonance effect and application	kohlrausch law and it's application
26.07.2024	hyperconjugation,	
27.07.2024		Applications of kohlrausch law, numerical problems
29.07.2024	inductive effect, electomeric effect.	Test of chapter upto Kohlrausch law with numericals
30.07.2024	revision+doubts	pH and pKa, buffer solution
31.07.2024	**Shaheed Udham Singh's Martyrdom D**	
01.08.2024	test of resonance and localised and delocalised chemical bond , van de waals interactions	Numericals of pH and pKa, buffer solution
02.08.2024	Chapter: Gaseous state kinetic molecular theory of gases ,maxwell distribution of velocities and energies	
03.08.2024	calculation of root mean square velocity, average velocity and most probable velocity	buffer mechanism of buffer action
05.08.2024	collision diameter, collision number, collision frequency	Henderson Hazel equation
06.08.2024	mean free path, numericals	numerical problems
07.08.2024	test of inductive effect and electromeric effect	Chapter Electrochemistry II Reversible & Irreversible cells

Date	Class B.Sc. I (Major)	Class B.Sc.II (Major)
	Semester I	**Semester III**
08.08.2024	deviation of real gases from ideal behaviour	types of reversible electrodes
09.08.2024	derivation of van der waals equation	
10.08.2024		Calculation of thermodynamic quantitiesof cell
12.08.2024	numericals	nernst equation ,standard hydrogen electrode
13.08.2024	test of numericals	test of nernst eq., calculation of thermodynamic quantities
14.08.2024	test kinetic molecular theory of gases ,maxwell distribution of velocities and energies	reference electrode, emf of cell and its calculation
15.08.2024		**Independence Day**
16.08.2024	doubt clearing and numericals	
17.08.2024		numericals of emf
19.08.2024		**Raksha Bandhan**
20.08.2024	test of structure and bonding	applications of EMF in solubility of Product
21.08.2024	calculation of boyle's temperature	Potentiometric titrartions
22.08.2024	critical temperature, pressure,volume, numericals	Chapter Alkynes nomenclature and structure of alkynes
23.08.2024	PV Isotherms of real gases	
24.08.2024		methods of preparation alkynes ,Physical properties of alkynes
26.08.2024		**Janamashtami**
27.08.2024	continuity of states	Elecrophilic reaction of alkynes with mechanism
28.08.2024	The isotherms of Van-der-Waals equations,	Nucleophilic addition reactions with mechanism and acidity of alkynes
29.08.2024	Relationship between critical constant and Van-der-Waal's constant	Chapter Stereochemistry concet of isomerism and types
30.08.2024	test of vander waal equation,boyle temperature	

Date	Class B.Sc. I (Major)	Class B.Sc.II (Major)
	Semester I	**Semester III**
31.08.2024		elements of symmetry, molecular chirality, enantiomer
02.09.2024	Chapter 2 classification of periodic table into s, p, d , f block	chiral and achiral centres, distreomers, threo and eryhtros diastereomers
03.09.2024	atomic radii	Meso-compounds, resolution of Enantiomers, Inversion, Retention and
04.09.2024	ionic radii	Relative and absolute configuration, sequence rule
05.09.2024	Ionisation energy	R and S systems of nomenclature, Geometric isomerism
06.09.2024	electron affinity	
07.09.2024		E and Z systems of nomenclature, Confirmational isomerism
09.09.2024	Electronegativity ,Pauling, Mulliken scale	Newman projection, Sawhorse formula, Difference between configuration and confirmation
10.09.2024	test of critical constants	test of alkynes
11.09.2024	Allred Rachow & Mulliken jaffe scale	revision of Rand S and Eand Z systems
12.09.2024	revision of Chapter 2	test of isomerism, chiral ,achiral,meso
13.09.2024	Chapter 1 de Broglie derivation and numericals	
14.09.2024		Chapter s & p Block group 1 elements - electronic configuration,physical properties,chemical properties
16.09.2024	Heisenberg uncertanity principle derivation and numericals	Test of R&S ,E&Z
17.09.2024	atomic orbitals	Structure ,preprartion of diborane
18.09.2024	test of ionisation energy and electron affinity	properties of diborane
19.09.2024	Quantum numbers , shapes of s,p,d,f orbitals	structure ,preprartion and properties of borazine
20.09.2024	radial and angular wave function and probability distribution curves	
21.09.2024		catenation,carbides
23.09.2024	**Shaheedi Diwas/Haryana War Heroes' Martyr**	
24.09.2024	Aufbau & Pauli exclusion Principle, Hund multiplicity	fluorocarbons,silicates

Date	Class B.Sc. I (Major)	Class B.Sc.II (Major)
	Semester I	**Semester III**
25.09.2024	electrononic configuration	oxides of Nitrogen
26.09.2024	test of quantum number and probability distribution curves	oxides of phosphorus
27.09.2024	Effective nuclear charge , Slater rule	
28.09.2024		structure of white and red phosphorus
30.09.2024	numericals of slater rule	oxyacids of Nitrogen, phosphorus
01.10.2024	test of atomic sturucture	oxyacids of sulphur ,chlorine
02.10.2024		**Mahatma Gandhi Jayanti**
03.10.2024		**Maharaja Aggarsen Jayanti**
04.10.2024	Mechanism of organic reaction : Curved arrow notation, Drawing electron movementsd with arrows, Half headed and double headed arrows	low reactivity of noble gases, chemistry of xenon
05.10.2024		oxides of xenon
07.10.2024	Homolytic and heterolytic bond breaking, types of reagents and organic reactions	fluorides of xenon
08.10.2024	electrophiles and nucleophiles	oxyfluorides of xenon
09.10.2024	Reactive intermediates, Carbocations	Chapter 4 Nomenclatureof benzene derivatives, Huckel rule, aromatic ions
10.10.2024	carbanions	aromatic ,anti aromatic and non aromatic compounds
11.10.2024	Free radical, Carbenes	
12.10.2024		**Dussehra**
14.10.2024	test of free radicals and carbocations	Aromatic electrophilic subsitution,general pattern of mechanism , nitration
15.10.2024	Classification of solids	Halogenation , sulphonation ,Friedel Craft reaction
16.10.2024	Symmetry Elements	Energy profile diagram, activating and deactivating subsituents and orientation
17.10.2024		**Maharishi Valmiki Jayanti**

Date	Class B.Sc. I (Major)	Class B.Sc.II (Major)
	Semester I	**Semester III**
18.10.2024	Law of constancy of interfacial angles ,Law of Rational indices	
19.10.2024		Test of Aromatic electrophilic subsitution
21.10.2024	Miller indices	Chapter 4 Nomenclature of alkyl halides
22.10.2024	Elementary ideas of symmetry and symmetrical elements	methods of formation,physical properties
23.10.2024	Seven crystal systems and 14 Bravias Lattices	Nucleophilic subsitution reaction with mechanism
24.10.2024	Space groups,numerical	SN2 reaction with energy profile diagram
25.10.2024	Bragg's Law, Laue's method, Rotating crystal method and powder patteren method	
26.10.2024		SN1 reaction with energy profile diagram
27.10.2024 to 03.11.2024		**Diwali Vacations**
04.11.2024	test of solid state	aryl halides nomenclature
05.11.2024	revision of unit I	preparation of aryl halides ,
06.11.2024	Structure of liquids , Properties of liquid	revision of alkyl halides
07.11.2024	Surface tension	test of alkyl halides
08.11.2024	Refrative index	
09.11.2024		electrophilic aromatic subsitution ,reduction
11.11.2024	Viscosity, Vapour Pressure	revision of s block elements
12.11.2024	optical rotation	test of electrochemistry I
13.11.2024	revision of unit II	nuclear reaction of aryl halides
14.11.2024	test of unit I	test of s & p Block
15.11.2024		**Guru Nanak Jayanti**
16.11.2024		Elimination-addition reaction , Addition-elimination reaction
18.11.2024	test of surface tension , optical rotation	reactions of aralkyl halides , relative rectivities of alkyl halides ,allyl,vinyl,aryl halides
19.11.2024	revision	revision
20.11.2024	revision	revision

Date	Class B.Sc. I (Major)	Class B.Sc.II (Major)
	Semester I	**Semester III**
21.11.2024	revision	revision
22.11.2024	revision	

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Class B.Sc.III (organic Chemistry)
Semester V
Bridge Course
Chapter 1 Introduction,Principle of NMR, PMR spectra
ay
Principle of NMR
number of signals,peak area, equivalent and non equivalent protons

Class B.Sc.III (organic Chemistry)
Semester V
position of signals,chemical shift,shielding and deshielding of protons
proton counting,splitting of signal,coupling constants
test of Principle of NMR , position of signals,chemical shift,shielding and deshielding of protons
magnetic equivalence,PMR spectra of ethyl bromide,n- propyl bromide,isopropyl bromide,1,1-dibromoethane
1,1,2-tribromoethane,ethanol,acetaldehyde,ethylacetate,toulene,benzaldehyde,acetophenone
Problems on PMR for structure determination

Class B.Sc.III (organic Chemistry)
Semester V
revision of NMR and Numerical Problems
Chapter 3 introduction of organometallic comounds, formation of grignard reagent,structure
test of numerical problems of NMR
chemical reactions of grignard reagent
chemical reactions of grignard reagent
organozinc compound ,formation and chemical reaction
·dom Day

Class B.Sc.III (organic Chemistry)
Semester V
organolithium compounds,formation and chemical reactions
Chapter 2 classification and nomenclature of carbohydrates,monosaccharides
mechanism of osazone formation,interconversion of glucose and fructose,chain lengthening and shortening of aldoses
configuration of monosaccharides, erythose and threo diastereomers ,conversion of glucose into mannose
formation of glycosides ,ethers ,esters,determination of ring size of glucose and fructose

Class B.Sc.III (organic Chemistry)
Semester V
open chain and cyclic structure of D-Glucose and fructose
mechanism of mutarotation,structure of ribose and deoxyribose

test of grignard reagent
disaccharides,polysaccharides
test of osazone formation,mutarotation,chain lengthening and shortening
revision

revision

Class B.Sc.III (organic Chemistry)
Semester V
revision

Dayanand Mahila Mahavidyalaya, Kurukshetra			
Lesson Plan (Odd Semester)			
Session 2024-25 (22.07.2024 to 22.11.2024)			
Name of teacher: Mrs. Asha Malik			
Subject Chemistry			
Date	**Class B.Sc. I (Major)**	**Class B.Sc.II (Major)**	**Class B.Sc.III (organic Chemistry)**
	Semester I	**Semester III**	**Semester V**
22.07.2024	Orientation Day	Bridge Course	
23.07.2024	Orientation Day	Chapter Electrochemistry I electrolytic conduction, factors affecting electrolytic conduction	
24.07.2024	Chapter: structure and bonding -localised and delocalised chemical bond , van de waals interactions	specific conduction, molar conduction, equivalent conduction and their relationship	Bridge Course
25.07.2024	resonance conditions, resonance effect and application	kohlrausch law and it's application	Chapter 1 Introduction,Principle of NMR, PMR spectra
26.07.2024	hyperconjugation,		
27.07.2024		Applications of kohlrausch law, numerical problems	
29.07.2024	inductive effect, electomeric effect.	Test of chapter upto Kohlrausch law with numericals	
30.07.2024	revision+doubts	pH and pKa, buffer solution	
31.07.2024	**Shaheed Udham Singh's Martyrdom Day**		
01.08.2024	test of resonance and localised and delocalised chemical bond , van de waals interactions	Numericals of pH and pKa, buffer solution	Principle of NMR
02.08.2024	Chapter: Gaseous state kinetic molecular theory of gases ,maxwell distribution of velocities and energies		
03.08.2024	calculation of root mean square velocity, average velocity and most probable velocity	buffer mechanism of buffer action	
05.08.2024	collision diameter, collision number, collision frequency	Henderson Hazel equation	
06.08.2024	mean free path, numericals	numerical problems	

Date	Class B.Sc. I (Major)	Class B.Sc.II (Major)	Class B.Sc.III (organic Chemistry)
	Semester I	**Semester III**	**Semester V**
07.08.2024	test of inductive effect and electromeric effect	Chapter Electrochemistry II Reversible & Irreversible cells	number of signals,peak area, equivalent and non equivalent protons
08.08.2024	deviation of real gases from ideal behaviour	types of reversible electrodes	position of signals,chemical shift,shielding and deshielding of protons
09.08.2024	derivation of van der waals equation		
10.08.2024		Calculation of thermodynamic quantitiesof cell	
12.08.2024	numericals	nernst equation ,standard hydrogen electrode	
13.08.2024	test of numericals	test of nernst eq., calculation of thermodynamic quantities	
14.08.2024	test kinetic molecular theory of gases ,maxwell distribution of velocities and energies	reference electrode, emf of cell and its calculation	proton counting,splitting of signal,coupling constants
15.08.2024	**Independence Day**		
16.08.2024	doubt clearing and numericals		
17.08.2024		numericals of emf	
19.08.2024	**Raksha Bandhan**		
20.08.2024	test of structure and bonding	applications of EMF in solubility of Product	
21.08.2024	calculation of boyle's temperature	Potentiometric titrartions	test of Principle of NMR , position of signals,chemical shift,shielding and deshielding of protons
22.08.2024	critical temperature, pressure,volume, numericals	Chapter Alkynes nomenclature and structure of alkynes	magnetic equivalence,PMR spectra of ethyl bromide,n- propyl bromide,isopropyl bromide,1,1-dibromoethane
23.08.2024	PV Isotherms of real gases		
24.08.2024		methods of preparation alkynes ,Physical properties of alkynes	
26.08.2024	**Janamashtami**		
27.08.2024	continuity of states	Elecrophilic reaction of alkynes with mechanism	

Date	Class B.Sc. I (Major)	Class B.Sc.II (Major)	Class B.Sc.III (organic Chemistry)
	Semester I	Semester III	Semester V
28.08.2024	The isotherms of Van-der-Waals equations,	Nucleophilic addition reactions with mechanism and acidity of alkynes	1,1,2-tribromoethane,ethanol,acetaldehyde,ethylacetate ,toulene,benzaldehyde,acetophenone
29.08.2024	Relationship between critical constant and Van-der-Waal's constant	Chapter Stereochemistry concet of isomerism and types	Problems on PMR for structure determination
30.08.2024	test of vander waal equation,boyle temperature		
31.08.2024		elements of symmetry, molecular chirality, enantiomer	
02.09.2024	Chapter 2 classification of periodic table into s, p, d , f block	chiral and achiral centres, distreomers, threo and eryhtros diastereomers	
03.09.2024	atomic radii	Meso-compounds, resolution of Enantiomers, Inversion, Retention and Rasemization	
04.09.2024	ionic radii	Relative and absolute configuration, sequence rule	revision of NMR and Numerical Problems
05.09.2024	Ionisation energy	R and S systems of nomenclature, Geometric isomerism	Chapter 3 introduction of organometallic comounds, formation of grignard reagent,structure
06.09.2024	electron affinity		
07.09.2024		E and Z systems of nomenclature, Confirmational isomerism	
09.09.2024	Electronegativity ,Pauling, Mulliken scale	Newman projection, Sawhorse formula, Difference between configuration and confirmation	
10.09.2024	test of critical constants	test of alkynes	
11.09.2024	Allred Rachow & Mulliken jaffe scale	revision of Rand S and Eand Z systems	test of numerical problems of NMR
12.09.2024	revision of Chapter 2	test of isomerism, chiral ,achiral,meso	chemical reactions of grignard reagent
13.09.2024	Chapter 1 de Broglie derivation and numericals		
14.09.2024		Chapter s & p Block group 1 elements - electronic configuration,physical properties,chemical properties	

Date	Class B.Sc. I (Major)	Class B.Sc.II (Major)	Class B.Sc.III (organic Chemistry)
	Semester I	**Semester III**	**Semester V**
16.09.2024	Heisenberg uncertanity principle derivation and numericals	Test of R&S ,E&Z	
17.09.2024	atomic orbitals	Structure ,preprartion of diborane	
18.09.2024	test of ionisation energy and electron affinity	properties of diborane	chemical reactions of grignard reagent
19.09.2024	Quantum numbers , shapes of s,p,d,f orbitals	structure ,preprartion and properties of borazine	organozinc compound ,formation and chemical reaction
20.09.2024	radial and angular wave function and probability distribution curves		
21.09.2024		catenation,carbides	
23.09.2024	**Shaheedi Diwas/Haryana War Heroes' Martyrdom Day**		
24.09.2024	Aufbau & Pauli exclusion Principle, Hund multiplicity	fluorocarbons,silicates	
25.09.2024	electrononic configuration	oxides of Nitrogen	organolithium compounds,formation and chemical reactions
26.09.2024	test of quantum number and probability distribution curves	oxides of phosphorus	Chapter 2 classification and nomenclature of carbohydrates,monosaccharides
27.09.2024	Effective nuclear charge , Slater rule		
28.09.2024		structure of white and red phosphorus	
30.09.2024	numericals of slater rule	oxyacids of Nitrogen, phosphorus	
01.10.2024	test of atomic sturucture	oxyacids of sulphur ,chlorine	
02.10.2024	**Mahatma Gandhi Jayanti**		
03.10.2024	**Maharaja Aggarsen Jayanti**		
04.10.2024	Mechanism of organic reaction : Curved arrow notation, Drawing electron movementsd with arrows, Half headed and double headed arrows	low reactivity of noble gases, chemistry of xenon	
05.10.2024		oxides of xenon	
07.10.2024	Homolytic and heterolytic bond breaking, types of reagents and organic reactions	fluorides of xenon	
08.10.2024	electrophiles and nucleophiles	oxyfluorides of xenon	

Date	Class B.Sc. I (Major)	Class B.Sc.II (Major)	Class B.Sc.III (organic Chemistry)
	Semester I	**Semester III**	**Semester V**
09.10.2024	Reactive intermediates, Carbocations	Chapter 4 Nomenclatureof benzene derivatives, Huckel rule, aromatic ions	mechanism of osazone formation,interconversion of glucose and fructose,chain lengthening and shortening of aldoses
10.10.2024	carbanions	aromatic ,anti aromatic and non aromatic compounds	configuration of monosaccharides, erythose and threo diastereomers ,conversion of glucose into mannose
11.10.2024	Free radical, Carbenes		
12.10.2024	**Dussehra**		
14.10.2024	test of free radicals and carbocations	Aromatic electrophilic subsitution,general pattern of mechanism , nitration	
15.10.2024	Classification of solids	Halogenation , sulphonation ,Friedel Craft reaction	
16.10.2024	Symmetry Elements	Energy profile diagram, activating and deactivating subsituents and orientation	formation of glycosides ,ethers ,esters,determination of ring size of glucose and fructose
17.10.2024	**Maharishi Valmiki Jayanti**		
18.10.2024	Law of constancy of interfacial angles ,Law of Rational indices		
19.10.2024		Test of Aromatic electrophilic subsitution	
21.10.2024	Miller indices	Chapter 4 Nomenclature of alkyl halides	
22.10.2024	Elementary ideas of symmetry and symmetrical elements	methods of formation,physical properties	
23.10.2024	Seven crystal systems and 14 Bravias Lattices	Nucleophilic subsitution reaction with mechanism	open chain and cyclic structure of D-Glucose and fructose
24.10.2024	Space groups,numerical	SN2 reaction with energy profile diagram	mechanism of mutarotation,structure of ribose and deoxyribose
25.10.2024	Bragg's Law, Laue's method, Rotating crystal method and powder patteren method		
26.10.2024		SN1 reaction with energy profile diagram	
27.10.2024 to 03.11.2024		**Diwali Vacations**	
04.11.2024	test of solid state	aryl halides nomenclature	
05.11.2024	revision of unit I	preparation of aryl halides ,	

Date	Class B.Sc. I (Major)	Class B.Sc.II (Major)	Class B.Sc.III (organic Chemistry)
	Semester I	**Semester III**	**Semester V**
06.11.2024	Structure of liquids , Properties of liquid	revision of alkyl halides	test of grignard reagent
07.11.2024	Surface tension	test of alkyl halides	disaccharides,polysaccharides
08.11.2024	Refrative index		
09.11.2024		electrophilic aromatic subsitution ,reduction	
11.11.2024	Viscosity, Vapour Pressure	revision of s block elements	
12.11.2024	optical rotation	test of electrochemistry I	
13.11.2024	revision of unit II	nuclear reaction of aryl halides	test of osazone formation,mutarotation,chain lengthening and shortening
14.11.2024	test of unit I	test of s & p Block	revision
15.11.2024	**Guru Nanak Jayanti**		
16.11.2024		Elimination-addition reaction , Addition-elimination reaction	
18.11.2024	test of surface tension , optical rotation	reactions of aralkyl halides , relative rectivities of alkyl halides ,allyl,vinyl,aryl halides	
19.11.2024	revision	revision	
20.11.2024	revision	revision	revision
21.11.2024	revision	revision	revision
22.11.2024	revision		

Dayanand Mahila Mahavidyalaya, Kurukshetra

Lesson Plan (Odd Semester)

Session 2024-25 (22.07.2024 to 22.11.2024)

Name of teacher: Mrs Rajwant kaur

Subject …chemistry,Human values and ethics and chemistry minor……

Date	B.com 1 (Grp 2), B.com (SFS+Voc.), B.A 1 (Grp 2) 1-3 Days B.B.A, B.com 1 (Grp 1) B.A (Grp 3) 4-6 Days(vac:	B.sc. 3rd year (chemistry)	Class…B.sc 1st year(c.s)chemistry minor……
	Semester: 1st	**Semester: 5th**	**Semester…1st……**
22.07.2024	Chapter-1 Introduction To Value Education. 1.1 Introduction. 1.2 Definitions of Value Education. 1.3	Organic Chemistry. Chapter-1 Metal-Ligand Bonding in Transition Metal Complexes. Limitations	Chapter-1 Covalent Bond. Shapes of simple inorganic molecules and ions based on Valence shell electron pair repulsion
23.07.2024	1.4 Objectives Of Value Education. 1.5 Importance of Value Education. 1.6 Needs of Value Education	Crystal Field Splitting in octahedral. Tetrahedral and square planar Complexes.	Theory and hybridization with suitable examples of linear. Trigonal Planar
24.07.2024	1.7 Types of Value Education. 1.8 Value Education And Life		
25.07.2024	Chapter-1 Introduction To Value Education. 1.1 Introduction. 1.2 Definitions of Value Education. 1.3		
26.07.2024	1.4 Objectives Of Value Education. 1.5 Importance of Value Education. 1.6 Needs of Value Education	Physical Chemistry. Chapter-1 Quantum Mechanics-1. Black Body radiation. Planck's	

27.07.2024	1.7 Types of Value Education. 1.8 Value Education And Life skills	Photoelectric Effect. Postulates of Quantum Mechanics. Quantum Mechanical Operator.		
29.07.2024	1.9 Content for Value Education. 1.10 Process for Value Education. 1.11 Understanding the difference between Skills, Values & Ethics and their relevance in life	**Organic Chemistry.** Factors affecting the crystal-field parameters. Chapter-3 Thermodynamic and Kinetic Aspects of Metal Complexes. A brief outline of Thermodynamic stability of Metal Complexes amd factors affecting the stability.	Square Planer. Tetrahedral	
30.07.2024	Chapter-2 Classification of Value Education. 2.1 Introduction. 2.2 Classification of Value Education. 2.3	Irving William series. Substitution reactions of square planner Complexes of PT(II).	Trignogal bipyramidal and octahedral arrangements.	
31.07.2024	**Shaheed Udham Singh's Martyrdom Day**			
01.08.2024	1.9 Content for Value Education. 1.10 Process for Value Education			
02.08.2024	1.11 Understanding the difference between Skills, Values and Ethics and their relevance in their life. Chapter-2 Classification of Value Education. 2.1 Introduction	Commutation Relations. Hamiltonian Operator. Hermitian Operator		
03.08.2024	2.2 Classification of Value Education. 2.3 Classification of Value Education on the basis of comparison between Values.	Average value of square of Hermitian as a positive quantity. Role of operators in Quantum Mechanics. To show Quantum mechanically that position and momentum cannot be predicted simultaneously.		
05.08.2024	2.4 Ideology. 2.5 Components of Ideology. 2.6 The role of Ideology in shaping socialtial Norms and policies	Organic Chemistry. Trans effect. Chapter-3 Magnetic Properties of Transition Metal Complexes. Types of Magnetic Behaviour.	Chapter-2 Chemical Kinetics. Concept of reaction rates.	
06.08.2024	2.7 The influence of values and Ideology in the Decision-Making Processes. 2.8 Concept Of harmony. 2.9 History of	Magnetic susceptibility. Methods of determining magnetic susceptibility.	Factors influencing the rate of reaction. Order and molecularity of a reaction.	

07.08.2024	2.10 Understanding Harmony with Self, Society & Nature. 2.11 Harmony With Self				
08.08.2024	2.4 Ideology. 2.5 Components of Ideology. 2.6 The role of Ideology in shaping socialtial Norms and policies				
09.08.2024	2.7 The influence of values and Ideology in the Decision-Making Processes. 2.8 Concept Of harmony. 2.9 History of	Chapter-3 Physical Properties and Molecular Structure. Optical Activity. Polarization. Orientation of			
10.08.2024	2.10 Understanding Harmony with Self, Society & Nature. 2.11 Harmony With Self	Dipole Moment. Included dipole Moment. Measurement of dipole Moment- Temperature method and refractivity method.			
12.08.2024	2.12 Harmony With Society. 2.13 Harmony with Nature.	Organic chemistry. Spin-only formula. L-S Coupling.		Integrated rate expression for zero and first order reaction.	
13.08.2024	2.14 A Case Study on Various Types of Value Education: Simplifying Understanding for Students. Chapter-3 Human Values and Ethics 3.1 Introduction	Correlation of ą8 and ęeff values. Orbital contribution to magnetic moments.		Chapter-3 Alkanes(Upto 5 carbon atom). Alkanes.	
14.08.2024	3.2 Definitions of Human Values. 3.3 Meaning of Human Ethics				
15.08.2024	**Independence Day**				
16.08.2024	2.12 Harmony With Society. 2.13 Harmony with Nature. 2.14 A Case Study on Various Types of Value Education: Simplifying Understanding for Students	Physical Chemistry. Dipole Moment and structure of molecules. Magnetic permeability. Magnetic Susceptibility and			

17.08.2024	Chapter-3 Human Values and Ethics. 3.1 Introduction. 3.2 Definitions of Human Values. 3.3 Meaning of Human Ethics	Application of Magnetic susceptibility. Magnetic Properties- paramagnetism. Dimagnetism and ferromagnetism.		
19.08.2024	**Raksha Bandhan**			
20.08.2024	3.4 Need of Human Ethics. 3.5 Basics of Human Values. 3.6 Nature of Human Values	Organic Chemistry. Application of magnetic moments Data for 3-d metal Complexes. chapter-4 Electronic Spectra Transition Metal Complexes. Types of electronic transition.		Nomenclature. Classification of carbon atoms in alkanes.
21.08.2024	3.7 Sources of Human Values. 3.8 Significance of Human Values in life. 3.9 Importance of ethics			
22.08.2024	3.4 Need of Human Ethics. 3.5 Basics of Human Values			
23.08.2024	3.6 Nature of Human Values. 3.7 Sources of Human Values	Physical Chemistry Chapter-3 Spectroscopy. Introduction: Electromagnetic Radiations.		
24.08.2024	3.8 Significance of Human Values in life. 3.9 Importance of Ethics	Regions of Spectrum. Basic features of Spectroscopy		
26.08.2024	**Janamashtami**			
27.08.2024	3.10 Priciple of Ethics. 3.11 Components of Ethics. 3.12 Sources of Ethics	Organic Chemistry. Selection Rules for d-d transition. Spectroscopic ground states.		Isomerism in alkanes. Methods of formation.
28.08.2024	3.13 Types of Ethics. 3.14 Relation between Values and Ethics. 3.15 Constitution of India			
29.08.2024	3.10 Principles of Ethics. 3.11 Components of Ethics			
30.08.2024	3.12 Sources of Ethics. 3.13 Types of Ethics	Physical Chemistry. Statement of Born-		

31.08.2024	3.14 Relation between Value and Ethics. 3.15 Constitution of India	Degrees of freedom. Chapter-4 Rotational Spectrum. Selection Rules.		
02.09.2024	Chapter-4 The relevance of Human Values. 4.1 What is the relevance of Human Values. 4.2 Integrity. 4.3 Meaning of Integrity	Spectrochemical series. Orgel-energy level diagram for d^1 and d^9 states. discussion of the electronic spectrum of $[Ti(H2O)6]^{3+}$ complex ion.	Wartz Reaction. Kolbe Reaction	
03.09.2024	4.4 Character Traits related To Integrity. 4.5 Types of Integrity. 4.6 Integrity in Daily Life	**Doubt Session**	Corey-Horse Reaction and decarboxylation of carboxylics acids	
04.09.2024	4.7 Empathy. 4.8 Characteristics of Empathy. 4.9 Skills of Empathy			
05.09.2024	Chapter-4 The relevance of Human Values. 4.1 What is the relevance of Human Values. 4.2 Integrity. 4.3 Meaning of Integrity			
06.09.2024	4.4 Character Traits related To Integrity. 4.5 Types of Integrity. 4.6 Integrity in Daily Life	Physical Chemistry. Energy levels of rigid rotator. Rotational Spectra of Diatomic molecules.		
07.09.2024	4.7 Empathy. 4.8 Characteristics of Empathy. 4.9 Skills of Empathy	Spectral intensity Distribution using Population distribution. Determination of bond length and isotopic effect.		
09.09.2024	4.10 Types of Empathy. 4.11 Understanding "Lok Sangrah" 4.12 Understanding Brahmavihar	**Doubt Session**	Chapter-4 Metallic bond and semiconductors. Metallic bond- Qualitative idea of Band theory of metallic bond(conductors, semiconductors, insulators)	
10.09.2024	4.13 Doctrine of Naya in jainism. 4.14 Dentology. 4.15 Virtue Ethics	**Doubt Session**	**Doubt Session**	

11.09.2024	4.16 Utilitarianism. Chapter-5 Integrated Personality and Well being. 5.1 Understanding the Relationship among Self.				
12.09.2024	4.10 Types of Empathy. 4.11 Understanding "Lok Sangrah". 4.12 Understanding Brahmavihar				
13.09.2024	4.13 Doctrine of Naya in jainism. 4.14 Dentology. 4.15 Virtue Ethics	Physical chemistry. Chapter-5 Vibrational Spectrum. Selection Rules. Energy levels of simple harmonic oscillator			
14.09.2024	4.16 Utilitarianism. Chapter-5 Integrated Personality and Well being. 5.1 Understanding the Relationship among Self.	Pure Vibrational Spectrum of Diatomic molecules. Determination of force Constant and qualitative relation of force constant and force energy.			
16.09.2024	5.3 Understanding the Relationship between Personality. 5.4 Understanding the Integrated Personality with Three gunas, the Theory of Sankhya. 5.5 Integrated Personality with the Four Consciousness in Yoga	**Doubt Session**		**Doubt Session**	
17.09.2024	5.6 Understanding the Unified Personality with the Panchakosha in the Upanishads. 5.7 Reaching a Comprehensive Understanding of Well-being or components of well-being. 5.8 Relationship between Well-Being and Happiness	**Doubt Session**		**Doubt Session**	
18.09.2024	Chapter-6 Professional Ethics amd Global Citizenship. 6.1 Introduction. 6.2 Importance of Business Ethics. 6.3 Major Principles of Business Ethics				
19.09.2024	5.3 Understanding the Relationship between Personality. 5.4 Understanding the Integrated Personality with Three gunas, the Theory of Sankhya. 5.5 Integrated Personality with the Four Consciousness in Yoga	Physical Chemistry. Idea of Vibrational frequencies of different functional groups. Chapter-5 Raman Spectrum. Concept of polarizibility.			

20.09.2024	5.6 Understanding the Unified Personality with the Panchakosha in the Upanishads. 5.7 Reaching a Comprehensive Understanding of Well-being or components of well-being. 5.8 Relationship between Well-Being and Happiness	Pure rotational and Pure Vibrational Raman Spectra of Diatomic molecules. Selection Rules. Quantum theory of Raman Spectra.			
21.09.2024	Chapter-6 Professional Ethics amd Global Citizenship. 6.1 Introduction. 6.2 Importance of Business Ethics. 6.3 Major Principles of Business Ethics				
23.09.2024	**Shaheedi Diwas/Haryana War Heroes' Martyrdom Day**				
24.09.2024	6.4 Nature of Business Ethics. 6.5 Scope of Business Ethics. 6.6 Characteristics of Business Ethics	**Doubt Session**		**Doubt Session**	
25.09.2024	6.7 Types of Business Ethics. 6.8 Understanding Business Values. 6.9 Global Citizenship				
26.09.2024	6.4 Nature of Business Ethics. 6.5 Scope of Business Ethics				
27.09.2024	6.6 Characteristics of Business Ethics. 6.7 Types of Business Ethics	**Doubt Session**			
28.09.2024	6.8 Understanding Business Values. 6.9 Global Citizenship	**Doubt Session**			
30.09.2024	6.10 Values of Global Citizenship: Equality, Justice and Human Dignity. Chapter-7 Competancy-Based Education.	**Doubt Session**		**Doubt Session**	
01.10.2024	7.2 Nature of Competancy-Based Education. 7.3 Requirements for Competancy-Based Education	**Revision**		**Revision**	
02.10.2024	**Mahatma Gandhi Jayanti**				

03.10.2024	**Maharaja Aggarsen Jayanti**			
04.10.2024	6.10 Values of Global Citizenship: Equality, Justice and Human Dignity. Chapter-7 Competancy-Based Education. 7.1 Competancy-Based	**Revisions**		
05.10.2024	7.2 Nature of Competancy-Based Education. 7.3 Requirements for Competancy-Based Education	**Revisions**		
07.10.2024	7.4 Types of Competencies. 7.5 Core Competencies	**Revision**	**Revision**	
08.10.2024	7.6 Functional Competencies. 7.7 Difference between Functional and Core Competencies	**Revision**	**Revision**	
09.10.2024	7.8 Successful Examples of Competancy-Based Education Implementation. 7.9 Role of Assessment in Competancy-Based Education			
10.10.2024	7.4 Types of Competencies. 7.5 Core Competencies. 7.6 Functional Competencies			
11.10.2024	7.7 Differencebetween Functional and Core Competencies. 7.8 Successful Examples of Competancy-Based Education Implementation. 7.9 Role of Assessment in Competancy-Based Education	**Revisions**		
12.10.2024	**Dussehra**			
14.10.2024	Chapter-8 Dhyaan and Yoga. 8.1 Yogic way of Cognitive Restructuring. 8.2 Bhrumadhya Dhyaan	**Revision**	**Revision**	

15.10.2024	8.3 Chakra Dhyan/Dhyaan. 8.4 Preksha Dhyan/Dhyaan	**Revision**		**Revision**	
16.10.2024	8.5 Sakshi Bhava Dhyan/Dhyaan. 8.6 Vipassana.				
17.10.2024	**Maharishi Valmiki Jayanti**				
18.10.2024	Chapter-8 Dhyaan and Yoga. 8.1 Yogic way of Cognitive Restructuring. 8.2 Bhrumadhya Dhyaan. 8.3 Chakra Dhyan/Dhyaan	**Revisions**			
19.10.2024	8.4Preksha Dhyan/Dhyaan. 8.5 Sakshi Bhava Dhyan/Dhyaan. 8.6 Vipassana.	**Revisions**			
21.10.2024	8.7 Yog Nidra. 8.8 Partipaksha Bhava. 8.9 Yoga	**Revision**		**Revision**	
22.10.2024	**Doubt Session**	**Revision**		**Revision**	
23.10.2024	**Doubt Session**				
24.10.2024	8.4Preksha Dhyan/Dhyaan. 8.5 Sakshi Bhava Dhyan/Dhyaan. 8.6 Vipassana.				
25.10.2024	**Doubt Session**	**Revisions**			
26.10.2024	**Doubt Session**	**Revisions**			
27.10.2024 to 03.11.2024		**Diwali Vacations**			

04.11.2024	**Revision**	**Test**		**Test**	
05.11.2024	**Revision**	**Test**		**Test**	
06.11.2024	**Test**				
07.11.2024	**Revision**				
08.11.2024	**Revision**	**Test**			
09.11.2024	**Test**	**Test**			
11.11.2024	**Revision**	**Test**		**Test**	
12.11.2024	**Revision**	**Test**		**Test**	
13.11.2024	**Test**				
14.11.2024	**Revision**				
15.11.2024	**Guru Nanak Jayanti**				
16.11.2024	**Test**	**Test**			
18.11.2024	**Revision**	**Test**		**Test**	
19.11.2024	**Revision**	**Test**		**Test**	
20.11.2024	**Test**				
21.11.2024	**Revision**				
22.11.2024	**Test**	**Test**			