

Column1	Column2	Column3	Column4	Column42	Column5	Column6
SUBJECT	CHEMISTRY	CODE 34	DEPARTMENT OF P U EDUCATION		ACADEMIC PROGRAM FOR THE YEAR 2018-19	
	CLASS	I P U C	PUC (4 THEORY+2 PRACTICE HOURS A WEEK)	PRACTICE SESSIONS	PRACTICALS (1 CLASS OF 2 HOURS DURATION PER WEEK PER BATCH)	
DAY	DATE	DAY				
DAY 1	02-May-18	WEDNESDAY				
DAY 2	3-May-18	THURSDAY				
DAY 3	04-May-18	FRIDAY				
DAY 4	5-May-18	SATURDAY				
DAY 5	06-May-18	SUNDAY				
DAY 6	7-May-18	MONDAY				
DAY 7	08-May-18	TUESDAY				
DAY 8	9-May-18	WEDNESDAY				
DAY 9	10-May-18	THURSDAY				
DAY 10	11-May-18	FRIDAY				
DAY 11	12-May-18	SATURDAY				
DAY 12	13-May-18	SUNDAY				
DAY 13	14-May-18	MONDAY	BRIDGE COURSE			
DAY 14	15-May-18	TUESDAY	BRIDGE COURSE			
DAY 15	16-May-18	WEDNESDAY	BRIDGE COURSE			
DAY 16	17-May-18	THURSDAY	BRIDGE COURSE			
DAY 17	18-May-18	FRIDAY				
DAY 18	19-May-18	SATURDAY				
DAY 19	20-May-18	SUNDAY				
DAY 20	21-May-18	MONDAY	Some Basic concepts of Chemistry : General introduction: Importance and scope of chemistry, nature of matter-classification, homogeneous and heterogeneous mixtures – examples, concept of elements, atoms, molecules and compounds			
DAY 21	22-May-18	TUESDAY	Properties of matter and their measurement: seven basic physical quantities, their SI units and scientific notation (exponential notation). Laws of chemical combinations, with suitable examples.			
DAY 22	23-May-18	WEDNESDAY	Dalton's atomic theory – postulates. Atomic and molecular masses: Atomic mass, amu (value of 1amu), average atomic mass with an example, molecular mass, examples, formula mass – NaCl as example			
DAY 23	24-May-18	THURSDAY	Mole concept and molar mass			
DAY 24	25-May-18	FRIDAY		PRACTICE SESSIONS		

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DAY	DATE	DAY			
DAY 25	26-May-18	SATURDAY		PRACTICE SESSIONS	
DAY 26	27-May-18	SUNDAY			
DAY 27	28-May-18	MONDAY	Avogadro constant, mole and molar mass – examples		
DAY 28	29-May-18	TUESDAY	Percentage composition, empirical formula and molecular formula-numerical problems		
DAY 29	30-May-18	WEDNESDAY	Stoichiometry and calculations based on stoichiometry –numerical problems to calculate amount of reactants/ products formed (in terms of mole and mass in grams) by giving balanced equations		
DAY 30	31-May-18	THURSDAY	limiting reagent –numerical problems.Reactions in solutions: concentration terms		
DAY 31	01-Jun-18	FRIDAY		PRACTICE SESSIONS	Unit-1: Basic Laboratory equipments and procedure 1.1 Study of Bunsen Burner 1.2 Some basic laboratory techniques - Glass
DAY 32	2-Jun-18	SATURDAY		PRACTICE SESSIONS	
DAY 33	03-Jun-18	SUNDAY			
DAY 34	4-Jun-18	MONDAY	Concentration terms: mass %, mole fraction, molarity, molarity. Numerical problems.		
DAY 35	05-Jun-18	TUESDAY	Unit 2: Structure of Atom Discovery of electron – name of the discoverer, characteristics of cathode rays, values of charge and mass.		
DAY 36	6-Jun-18	WEDNESDAY	Discovery of proton - characteristics of canal rays, values of charge and mass. Discovery of neutron- name of the discoverer, value of charge and mass.		
DAY 37	7-Jun-18	THURSDAY	Atomic number, mass number, isotopes, isobars, problems		1.1 Study of Chemical Balance 1.2 Preparation of 0.1M standard solution
DAY 38	8-Jun-18	FRIDAY		PRACTICE SESSIONS	
DAY 39	09-Jun-18	SATURDAY		PRACTICE SESSIONS	
DAY 40	10-Jun-18	SUNDAY			
DAY 41	11-Jun-18	MONDAY	Atomic models: Thomson atomic model and its limitations. Mention the observations and conclusions of α - ray scattering experiment. Rutherford atomic model and its limitations(based on Maxwell electromagnetic theory)		

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DAY	DATE	DAY			
DAY 42	12-Jun-18	TUESDAY	Electromagnetic radiations – c, , , their relationships, electromagnetic spectrum, particle nature of EMR($E = hv$), line spectrum of hydrogen, formula to calculate of spectral lines in hydrogen – numerical problems.		
DAY 43	13-Jun-18	WEDNESDAY	Bohr's model-postulates and its limitations, concept of shells and subshells		Unit-2 : Purification and Criteria of purity 2.1 Purification of compounds by Crystalization 2.2 Determination of melting point 2.3 Determination of boiling point
DAY 44	14-Jun-18	THURSDAY	Dual nature of matter and light, de-Broglie relationship – numerical problems. Heisenberg uncertainty principle and its mathematical form.		
DAY 45	15-Jun-18	FRIDAY		PRACTICE SESSIONS	
DAY 46	16-Jun-18	SATURDAY	RAMZAN		
DAY 47	17-Jun-18	SUNDAY			
DAY 48	18-Jun-18	MONDAY		PRACTICE SESSIONS	
DAY 49	19-Jun-18	TUESDAY	Concept of orbitals , nodal surfaces or nodes.Calculation of total number of nodes, angular nodes and radial nodes, Quantum numbers.		Unit-3 : Study of Chemical Equilibria 3.1 Study of shift in equilibrium between ferric ions and thiocyanate ions 3.2 Study of shift in equilibrium between $[\text{Co}(\text{H}_2\text{O})_6]^{2+}$ and Cl^- ions
DAY 50	20-Jun-18	WEDNESDAY	Shapes of s, p, d orbitals, rules for filling electrons in orbitals- (n + 1) rule, Aufbau principle		
DAY 51	21-Jun-18	THURSDAY	Pauli exclusion principle, Hund's rule. Electronic configuration of atoms (1 to 36). Stability of half filled and completely filled orbitals.		
DAY 52	22-Jun-18	FRIDAY	Unit 3: Classification of Elements and Periodicity in Properties : Significance of classification, brief history of development of periodic table – law of triads with an example, law of octaves		
DAY 53	23-Jun-18	SATURDAY		PRACTICE SESSIONS	
DAY 54	24-Jun-18	SUNDAY			
DAY 55	25-Jun-18	MONDAY		PRACTICE SESSIONS	
DAY 56	26-Jun-18	TUESDAY	Mendeleev periodic law – statement, Henry moseley observation based on X- ray spectra of elements, modern periodic law, long form of periodic table		

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DAY 57	27-Jun-18	WEDNESDAY	Brief account of groups, periods, s, p, d and f blocks, Nomenclature of elements with atomic number greater than 100. Periodic trends in properties of elements with reason: atomic radii, inert gas radii, ionic radii. compare radius of cation and anion with parent atom ,with reason.		Unit-4 : pH and pH changes in aqueous solutions 4.1 Determination of pH of fruit juices 4.2(a) Determination of change in pH of HCl solution on dilution 4.2(b) Determination of change in pH of NaOH solution
DAY 58	28-Jun-18	THURSDAY	Variation of radii of isoelectronic species, ionisation enthalpy, exception in first ionization enthalpy of N and O, with reason.		
DAY 59	29-Jun-18	FRIDAY	Electron gain enthalpy, compare $\Delta_{eg}H$ of some main group elements i.e. Gp1, Gp16, Gp17(F and Cl with reason). Electronegativity. valence – periodicity of valence or oxidation states (s and p block elements).		
DAY 60	30-Jun-18	SATURDAY		PRACTICE SESSIONS	
DAY 61	01-Jul-18	SUNDAY			
DAY 62	2-Jul-18	MONDAY		PRACTICE SESSIONS	4.3(a) Determination of change in pH of acetic acid solution on the addition of sodium acetate 4.3(b) Determination of change in pH of ammonium hydroxide solution on the addition of NH_4Cl
DAY 63	03-Jul-18	TUESDAY	Unit 4: Chemical bonding and molecular structure •KOSSEL - LEWIS approach to chemical bonding, Lewis symbols, significance of Lewis symbols. •Electrovalent bond and electrovalance		
DAY 64	4-Jul-18	WEDNESDAY	•Octet rule, covalent bond Lewis representation of simple molecules(the Lewis structures), Formal charge. Limitations of octet rule.		
DAY 65	05-Jul-18	THURSDAY	•Ionic or electrovalent bond, Lattice enthalpy,Bond parameters 1.Bond length, 2.Bond angle, 3.Bond order 4.3.Bond enthalpy 5.Resonance structures		
DAY 66	6-Jul-18	FRIDAY	Polarity of Bonds, dipole movements, VSEPR Theory		
DAY 67	07-Jul-18	SATURDAY		PRACTICE SESSIONS	
DAY 68	8-Jul-18	SUNDAY			
DAY 69	09-Jul-18	MONDAY		PRACTICE SESSIONS	
DAY 70	10-Jul-18	TUESDAY	Geometry of molecules in which central atom has no lone pair of electrons Geometry of some simple molecules / ions with central ions having one or more lone pair of electrons		

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DAY 71	11-Jul-18	WEDNESDAY	Shapes of molecules containing bond pair and lone pair of electrons. Valence bond theory		4.4 Study of variation in pH during titration of a strong acid by a strong base 4.5 Determination of pH of solutions of salts
DAY 72	12-Jul-18	THURSDAY	Orbital overlap concept Directional properties of bonds Overlapping of atomic orbitals types of overlapping and nature of covalent bonds i.e. sigma and pi bonds and their strengths.		
DAY 73	13-Jul-18	FRIDAY	Hybridisation Salient features of hybridisation Types of hybridisation: 1. Sp hybridisation, example of molecule having Sp hybridisation(BeCl ₂) 2. Sp ² hybridisation,example of molecule having Sp ² hybridisation.(BCl ₃)		
DAY 74	14-Jul-18	SATURDAY		PRACTICE SESSIONS	
DAY 75	15-Jul-18	SUNDAY			
DAY 76	16-Jul-18	MONDAY		PRACTICE SESSIONS	
DAY 77	17-Jul-18	TUESDAY	3. Sp ³ Hybridisation,exampe of molecules having Sp ³ hybridisation,CH ₄ ,NH ₃ and H ₂ O Other examples of Sp ³ ,Sp ² and Sp hybridisation Hybridisation of elements involving d orbitals. Formation of PCl ₅ (Sp ³ d hybridisation)		
DAY 78	18-Jul-18	WEDNESDAY	Formation of SF ₆ (Sp ³ d ² hybridisation) Molecular orbital theory Formation of molecular orbitals, Linear combination of atomic orbitals		
DAY 79	19-Jul-18	THURSDAY		I TEST	
DAY 80	20-Jul-18	FRIDAY		I TEST	1 TEST
DAY 81	21-Jul-18	SATURDAY		I TEST	
DAY 82	22-Jul-18	SUNDAY			
DAY 83	23-Jul-18	MONDAY	condition for combination of atomic orbitals, types of molecular orbitals. Electronic configuration and molecular behaviour. Stability of molecules, bond order, nature of the bond length, magnetic nature,		Unit-5 : Titrimetric Analysis 1. Determination of concentration of NaOH solution using standard Oxalic acid solution
DAY 84	24-Jul-18	TUESDAY	bonding in some homoneuclear diatomic molecules, examples H ₂ ,He ₂ ,Li ₂ ,C ₂ and O ₂ molecule. Hydrogen bonding cause of formation of hydrogen bond types of hydrogen bond.		

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DAY 85	25-Jul-18	WEDNESDAY		PRACTICE SESSIONS	
DAY 86	26-Jul-18	THURSDAY		PRACTICE SESSIONS	
DAY 87	27-Jul-18	FRIDAY	Unit 12: Some basic principles and techniques. Tetravalence of carbon. Shapes of organic compounds. Some characteristic features of pi bonds. Structural representation of organic compounds. 3-D representation of organic molecules		
DAY 88	28-Jul-18	SATURDAY	Classification of organic compounds Acylic, Alicyclic, Aromatic, Benzenoid and non Benzenoid compounds. Heterocyclic aromatic compounds. Functional groups, homologous series.		
DAY 89	29-Jul-18	SUNDAY			
DAY 90	30-Jul-18	MONDAY	IUPAC Nomenclature		
DAY 91	31-Jul-18	TUESDAY	Nomenclature of organic compounds having functional groups.		5.1 Preparation of a standard solution of anhydrous sodium carbonate 5.2 Standardisation of HCl solution using standard Na ₂ CO ₃ solution
DAY 92	1-Aug-18	WEDNESDAY		PRACTICE SESSIONS	
DAY 93	02-Aug-18	THURSDAY		PRACTICE SESSIONS	
DAY 94	3-Aug-18	FRIDAY	Nomenclature of substituted Benzene compounds. Isomerism. Types of Isomerism. Structural isomerism and stereo isomerism		
DAY 95	04-Aug-18	SATURDAY	Fundamental concepts in organic reaction mechanism. Homolytic cleavage and heterolytic cleavage of covalent bond. Nucleophiles and electrophiles electron movement in organic reactions		
DAY 96	5-Aug-18	SUNDAY			
DAY 97	06-Aug-18	MONDAY	electron displacement effects in covalent bonds. Inductive effect, resonance structures, resonance effect.		
DAY 98	7-Aug-18	TUESDAY	electromeric effect, hyperconjugation. methods of purification of organic compounds sublimation, crystallisation, distillation		Systematic Qualitative Analysis of simple inorganic salts
DAY 99	08-Aug-18	WEDNESDAY		PRACTICE SESSIONS	
DAY 100	9-Aug-18	THURSDAY		PRACTICE SESSIONS	
DAY 101	10-Aug-18	FRIDAY	differential extraction and chromatography. qualitative analysis of organic compounds 1.detection of Carbon and Hydrogen		
DAY 102	11-Aug-18	SATURDAY	detection of other elements : test for Nitrogen, Sulphur, Halogens and phosphorus.		
DAY 103	12-Aug-18	SUNDAY			
DAY 104	13-Aug-18	MONDAY	quantitative analysis 1. Carbon and Hydrogen. 2.Nitrogen by Dumes method		
DAY 105	14-Aug-18	TUESDAY	Nitrogen by Kjeldahl's method 3.Halogens, Sulphur, Phosphorus and Oxygen		Systematic Qualitative Analysis of simple inorganic salts
DAY 106	15-Aug-18	WEDNESDAY	INDEPENDENCE DAY		
DAY 107	16-Aug-18	THURSDAY		PRACTICE SESSIONS	
DAY 108	17-Aug-18	FRIDAY		PRACTICE SESSIONS	

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DAY 109	18-Aug-18	SATURDAY	Unit 5: States of matter Intermolecular forces 1.Dispersion forces or London forces. 2.Dipole-Dipole forces 3.Dipole-induced Dipole forces		
DAY 110	19-Aug-18	SUNDAY			
DAY 111	20-Aug-18	MONDAY	4.Hydrogen bond 5.Thermal energy 6.Intermolecular forces versus thermal energy. The Gaseous State The Gas Laws: 1.Boyle's Law		
DAY 112	21-Aug-18	TUESDAY	2.Charle's Law 3.Gay Lussac's Law 4.Avagadro Law STP Conditions		Systematic Qualitative Analysis of simple inorganic salts
DAY 113	22-Aug-18	WEDNESDAY	BAKRID		
DAY 114	23-Aug-18	THURSDAY	Ideal Gas equation Universal Gas constant Calculation of value of R in SI Units. Combined gas law Relation between Density and molar mass of a gaseous substance		
DAY 115	24-Aug-18	FRIDAY		PRACTICE SESSIONS	
DAY 116	25-Aug-18	SATURDAY		PRACTICE SESSIONS	
DAY 117	26-Aug-18	SUNDAY			
DAY 118	27-Aug-18	MONDAY	Dalton's Law of partial pressures, Partial pressure in terms of Mole Fraction, Kinetic molecular theory of gases.		
DAY 119	28-Aug-18	TUESDAY	Behaviour of Real Gases: Deviation from Ideal gas behaviour. Van der waals equation, Compressibility factor, Boyle Temperature or Boyle point		Systematic Qualitative Analysis of simple inorganic salts
DAY 120	29-Aug-18	WEDNESDAY	Liquifaction of gases, Isotherms of CO ₂ at various temperatures. Critical Temperature, critical volume, critical pressure. Liquid state, vapour pressure, Normal Boiling point and standard boiling point.		
DAY 121	30-Aug-18	THURSDAY	Surface tension and Viscosity. Numericals		
DAY 122	31-Aug-18	FRIDAY		PRACTICE SESSIONS	
DAY 123	01-Sep-18	SATURDAY		PRACTICE SESSIONS	
DAY 124	2-Sep-18	SUNDAY			
DAY 125	03-Sep-18	MONDAY	Numericals		
DAY 126	4-Sep-18	TUESDAY	Topic - Thermodynamics Introduction, thermodynamic terms, types of systems, State of a system, State functions, Types of Thermodynamic processes		Systematic Qualitative Analysis of simple inorganic salts
DAY 127	05-Sep-18	WEDNESDAY	Internal energy(U), Types of energy changes - Work, Heat. First law of thermodynamics, mathematical formulation of the law		
DAY 128	6-Sep-18	THURSDAY	Expressions for mechanical work done in isothermal compression and isothermal expansion of an ideal gas, Problems		
DAY 129	07-Sep-18	FRIDAY		PRACTICE SESSIONS	
DAY 130	8-Sep-18	SATURDAY		PRACTICE SESSIONS	

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DAY	DATE	DAY			
DAY 131	09-Sep-18	SUNDAY			
DAY 132	10-Sep-18	MONDAY	MID TERM EXAMINATION		
DAY 133	11-Sep-18	TUESDAY	MID TERM EXAMINATION		
DAY 134	12-Sep-18	WEDNESDAY	MID TERM EXAMINATION		
DAY 135	13-Sep-18	THURSDAY	GANESH CHATURTHI		
DAY 136	14-Sep-18	FRIDAY	MID TERM EXAMINATION		
DAY 137	15-Sep-18	SATURDAY	MID TERM EXAMINATION		MID TERM
DAY 138	16-Sep-18	SUNDAY			
DAY 139	17-Sep-18	MONDAY	MID TERM EXAMINATION		
DAY 140	18-Sep-18	TUESDAY	MID TERM EXAMINATION		
DAY 141	19-Sep-18	WEDNESDAY	MID TERM EXAMINATION		
DAY 142	20-Sep-18	THURSDAY	MID TERM EXAMINATION		
DAY 143	21-Sep-18	FRIDAY	LAST DAY OF MOHARRUM		
DAY 144	22-Sep-18	SATURDAY	Thermochemical reactions, enthalpy, relation between enthalpy change and internal energy change, Extensive and intensive properties		
DAY 145	23-Sep-18	SUNDAY			
DAY 146	24-Sep-18	MONDAY	Heat capacity, Relation between C_p and C_v , Measurement of heat changes at constant volume and constant pressure by calorimeter experiments.		
DAY 147	25-Sep-18	TUESDAY	Enthalpy change of a reaction, enthalpy changes during phase transformation, Standard Enthalpy of formation		Systematic Qualitative Analysis of simple inorganic salts
DAY 148	26-Sep-18	WEDNESDAY	Thermochemical equations, Hess's law, Enthalpies of different types of reactions		
DAY 149	27-Sep-18	THURSDAY		PRACTICE SESSIONS	
DAY 150	28-Sep-18	FRIDAY		PRACTICE SESSIONS	
DAY 151	29-Sep-18	SATURDAY	Problems on the above enthalpies		
DAY 152	30-Sep-18	SUNDAY			
DAY 153	01-Oct-18	MONDAY	Lattice enthalpy, Born-Haber's cycle, Enthalpy diagram for Lattice enthalpy of sodium chloride		
DAY 154	2-Oct-18	TUESDAY	MAHATHMA GANDHI JAYANTHI		
DAY 155	03-Oct-18	WEDNESDAY	Spontaneity, enthalpy, Gibbs energy, Gibbs equation		Systematic Qualitative Analysis of simple inorganic salts
DAY 156	4-Oct-18	THURSDAY	Gibbs energy change and equilibrium, Second law of thermodynamics and problems		
DAY 157	05-Oct-18	FRIDAY		PRACTICE SESSIONS	
DAY 158	6-Oct-18	SATURDAY		PRACTICE SESSIONS	
DAY 159	07-Oct-18	SUNDAY			
DAY 160	8-Oct-18	MONDAY	MAHALAYA AMMAVASYA		
DAY 161	09-Oct-18	TUESDAY	Topic- Equilibrium Introduction, Equilibrium in physical processes		Systematic Qualitative Analysis of simple inorganic salts
DAY 162	10-Oct-18	WEDNESDAY	Equilibrium in chemical processes - Dynamic Equilibrium, Equilibrium constant (K_c)		
DAY 163	11-Oct-18	THURSDAY	Problems in Equilibrium constant, homogenous equilibrium		
DAY 164	12-Oct-18	FRIDAY	Equilibrium constant in gaseous systems (K_p), Relation between K_p and K_c , Problems		
DAY 165	13-Oct-18	SATURDAY		PRACTICE SESSIONS	
DAY 166	14-Oct-18	SUNDAY			
DAY 167	15-Oct-18	MONDAY			
DAY 168	16-Oct-18	TUESDAY			
DAY 169	17-Oct-18	WEDNESDAY			
DAY 170	18-Oct-18	THURSDAY	MAHANAVAMI		
DAY 171	19-Oct-18	FRIDAY	VIJAYADASHMI		
DAY 172	20-Oct-18	SATURDAY			

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DAY 173	21-Oct-18	SUNDAY				MID TERM
DAY 174	22-Oct-18	MONDAY				TERM
DAY 175	23-Oct-18	TUESDAY				VACATION
DAY 176	24-Oct-18	WEDNESDAY	VALMIKI JAYANTHI			
DAY 177	25-Oct-18	THURSDAY				
DAY 178	26-Oct-18	FRIDAY				
DAY 179	27-Oct-18	SATURDAY				
DAY 180	28-Oct-18	SUNDAY				
DAY 181	29-Oct-18	MONDAY		PRACTICE SESSIONS		
DAY 182	30-Oct-18	TUESDAY	Heterogenous Equilibrium, applications of Equilibrium constant, Reaction quotient (Q), predicting the direction of reaction, calculation of Equilibrium constant			
DAY 183	31-Oct-18	WEDNESDAY	Relation between Equilibrium constant, reaction quotient, Gibb's energy, Problems		Systematic Qualitative Analysis of simple inorganic salts	
DAY 184	1-Nov-18	THURSDAY	KANNADA RAJYOTHSAVA			
DAY 185	02-Nov-18	FRIDAY	Factors affecting Equilibrium, Le Chatelier's principle			
DAY 186	3-Nov-18	SATURDAY	Ionic equilibria in solutions, Acids, Bases and Salts Arhenius concept of acids and bases			
DAY 187	04-Nov-18	SUNDAY				
DAY 188	5-Nov-18	MONDAY		PRACTICE SESSIONS		
DAY 189	06-Nov-18	TUESDAY	NARAKA CHATURDASHI			
DAY 190	7-Nov-18	WEDNESDAY		PRACTICE SESSIONS		
DAY 191	08-Nov-18	THURSDAY	BALIPADYAMI DEEPAWALI			
DAY 192	9-Nov-18	FRIDAY	Bronsted Lowry concept - Conjugate acid base pair Lewi's concept			
DAY 193	10-Nov-18	SATURDAY	Ionisation of acids and bases, ionic product of water (K_w), pH scale			
DAY 194	11-Nov-18	SUNDAY				
DAY 195	12-Nov-18	MONDAY	Ionisation constants of weak acids and weak bases (K_a , K_b), Relation between K_a and K_b of a conjugate acid base pair			
DAY 196	13-Nov-18	TUESDAY	Fators affecting acid strength, common ion effect in ionisation of acids and bases, Buffer solutions		Systematic Qualitative Analysis of simple inorganic salts	
DAY 197	14-Nov-18	WEDNESDAY		PRACTICE SESSIONS		
DAY 198	15-Nov-18	THURSDAY		PRACTICE SESSIONS		
DAY 199	16-Nov-18	FRIDAY	Solubility equilibria of sparingly soluble salts, Solubility product constant, common ion effect of solubility of ionic salts			
DAY 200	17-Nov-18	SATURDAY	Topic - Redox reactions Introduction, definitions of oxidation and reduction, Redox reactions in terms of electron transfer, Oxidant and reductant			
DAY 201	18-Nov-18	SUNDAY				
DAY 202	19-Nov-18	MONDAY	Oxidation number - Definition, Rules for calculating oxidation number, Stock notation			
DAY 203	20-Nov-18	TUESDAY	Definitions of oxidising and reducing agents in terms of Oxidation number, Types of redox reactions with examples		Systematic Qualitative Analysis of simple inorganic salts	
DAY 204	21-Nov-18	WEDNESDAY	EID MILAD			
DAY 205	22-Nov-18	THURSDAY		PRACTICE SESSIONS		
DAY 206	23-Nov-18	FRIDAY		PRACTICE SESSIONS		
DAY 207	24-Nov-18	SATURDAY	Balancing of redox reactions by oxidation number method and half reaction method			
DAY 208	25-Nov-18	SUNDAY				
DAY 209	26-Nov-18	MONDAY	KANAKLDAS JAYANTHI			

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DAY 210	27-Nov-18	TUESDAY	Applications of redox reactions - In titrations, electrode processes, electrode potential, standard electrode potential, Galvanic cell		Systematic Qualitative Analysis of simple inorganic salts
DAY 211	28-Nov-18	WEDNESDAY	Topic: Hydrocarbons. Classification. Alkanes. Nomenclature and Isomerism		
DAY 212	29-Nov-18	THURSDAY	Preparation from unsaturated hydrocarbons, alkyl halides, carboxylic acids. Properties. Chemical properties. Substitution reactions. Halogenation, Mechanism		
DAY 213	30-Nov-18	FRIDAY		PRACTICE SESSIONS	
DAY 214	1-Dec-18	SATURDAY		PRACTICE SESSIONS	
DAY 215	02-Dec-18	SUNDAY			
DAY 216	3-Dec-18	MONDAY	Combustion, Controlled oxidation, Isomerisation, Aromatisation, Reaction with steam, pyrolysis and conformations.		
DAY 217	04-Dec-18	TUESDAY	Alkenes, structure of double bond. Nomenclature and isomerism.		Systematic Qualitative Analysis of simple inorganic salts
DAY 218	5-Dec-18	WEDNESDAY	Preparation of alkenes. Properties. Addition of dihydrogen, halogens, hydrogen halides, Markovnikov addition, Mechanism		
DAY 219	06-Dec-18	THURSDAY	II TEST		
DAY 220	7-Dec-18	FRIDAY	II TEST		2 TEST
DAY 221	08-Dec-18	SATURDAY	II TEST		
DAY 222	9-Dec-18	SUNDAY			
DAY 223	10-Dec-18	MONDAY	Anti Markovnikov addition. Addition of sulphuric acid, water. Oxidation, ozonolysis and polymerisation.		
DAY 224	11-Dec-18	TUESDAY		PRACTICE SESSIONS	Systematic Qualitative Analysis of simple inorganic salts
DAY 225	12-Dec-18	WEDNESDAY		PRACTICE SESSIONS	
DAY 226	13-Dec-18	THURSDAY	Alkynes. Nomenclature and Isomerism. Structure of triple bond. Preparation.		
DAY 227	14-Dec-18	FRIDAY	Properties of alkynes		
DAY 228	15-Dec-18	SATURDAY	Aromatic hydrocarbons. Nomenclature and isomerism. Structure of Benzene.		
DAY 229	16-Dec-18	SUNDAY			
DAY 230	17-Dec-18	MONDAY	Aromaticity. Preparation of benzene. Properties.		
DAY 231	18-Dec-18	TUESDAY		PRACTICE SESSIONS	Systematic Qualitative Analysis of simple inorganic salts
DAY 232	19-Dec-18	WEDNESDAY		PRACTICE SESSIONS	
DAY 233	20-Dec-18	THURSDAY	Mechanism of electrophilic substitution reactions.		
DAY 234	21-Dec-18	FRIDAY	Directive influence of a functional group in monosubstituted benzene. Carcinogenicity and Toxicity.		
DAY 235	22-Dec-18	SATURDAY	Unit 9: Hydrogen. Position of hydrogen in the periodic table. Dihydrogen, occurrence. Isotopes of hydrogen. Preparation of dihydrogen.		
DAY 236	23-Dec-18	SUNDAY			
DAY 237	24-Dec-18	MONDAY	Properties of dihydrogen. Uses of dihydrogen. Hydrides		
DAY 238	25-Dec-18	TUESDAY	CHRISTMAS		
DAY 239	26-Dec-18	WEDNESDAY		PRACTICE SESSIONS	
DAY 240	27-Dec-18	THURSDAY		PRACTICE SESSIONS	Systematic Qualitative Analysis of simple inorganic salts
DAY 241	28-Dec-18	FRIDAY	Water, structure of water and ice. Chemical properties of water. Hard and soft water.		
DAY 242	29-Dec-18	SATURDAY	Hydrogen peroxide. Heavy water. Dihydrogen as fuel.		
DAY 243	30-Dec-18	SUNDAY			
DAY 244	31-Dec-18	MONDAY	Unit 10: The s-Block elements. Group 1 elements: Alkali metals.		
DAY 245	01-Jan-19	TUESDAY	General characteristics of the compounds of the alkali metals. Oxides, hydroxides, halides, salts of oxoacids.		Systematic Qualitative Analysis of simple inorganic salts
DAY 246	2-Jan-19	WEDNESDAY		PRACTICE SESSIONS	
DAY 247	03-Jan-19	THURSDAY		PRACTICE SESSIONS	

SUBJECT	CHEMISTRY	CODE 34	DEPARTMENT OF P U EDUCATION		ACADEMIC PROGRAM FOR THE YEAR 2018-19	
	CLASS	I P U C	PUC (4 THEORY+2 PRACTICE HOURS A WEEK)	PRACTICE SESSIONS	PRACTICALS (1 CLASS OF 2 HOURS DURATION PER WEEK PER BATCH)	
DAY	DATE	DAY				
DAY 248	4-Jan-19	FRIDAY	Anomalous properties of lithium. Some important compounds of sodium; Sodium carbonate.			
DAY 249	05-Jan-19	SATURDAY	Sodium chloride, sodium hydroxide. Sodium hydrogen carbonate. Biological importance of sodium and potassium.			
DAY 250	6-Jan-19	SUNDAY				
DAY 251	07-Jan-19	MONDAY	Group 2 elements: Alkaline earth metals. General characteristics of the compounds of the alkaline earth metals. Anomalous behaviour of Beryllium.			
DAY 252	8-Jan-19	TUESDAY	Some important compounds of Calcium: Calcium oxide. Calcium hydroxide, calcium carbonate.		Systematic Qualitative Analysis of simple inorganic salts	
DAY 253	09-Jan-19	WEDNESDAY		PRACTICE SESSIONS		
DAY 254	10-Jan-19	THURSDAY		PRACTICE SESSIONS		2NDPUC PREPARATORY
DAY 255	11-Jan-19	FRIDAY	Calcium sulphate (Plaster of Paris). Cement. Biological importance of Magnesium and Calcium.			EXAM
DAY 256	12-Jan-19	SATURDAY	Unit 11: The p-block elements. General properties and electronic configuration.			
DAY 257	13-Jan-19	SUNDAY				
DAY 258	14-Jan-19	MONDAY	Group 13 elements: The boron family. Electronic configuration. Atomic radii. Ionisation enthalpy. Electronegativity. Physical properties.			
DAY 259	15-Jan-19	TUESDAY	Chemical properties.			
DAY 260	16-Jan-19	WEDNESDAY		PRACTICE SESSIONS		
DAY 261	17-Jan-19	THURSDAY		PRACTICE SESSIONS		
DAY 262	18-Jan-19	FRIDAY	Important trends and anomalous properties of boron. Some important compounds of boron. Borax. Orthoboric acid. Diborane.			
DAY 263	19-Jan-19	SATURDAY	Uses of boron and aluminium and their compounds. Group 14 elements: The carbon family			
DAY 264	20-Jan-19	SUNDAY				
DAY 265	21-Jan-19	MONDAY	Important trends and anomalous behaviour of carbon. Allotropes of carbon. Uses of carbon.			
DAY 266	22-Jan-19	TUESDAY	Some important compounds of carbon and silicon. Oxides of carbon.			
DAY 267	23-Jan-19	WEDNESDAY		PRACTICE SESSIONS		
DAY 268	24-Jan-19	THURSDAY		PRACTICE SESSIONS		
DAY 269	25-Jan-19	FRIDAY	Silicon dioxide, silicones. Silicates and Zeolites			
DAY 270	26-Jan-19	SATURDAY	Unit 14: Environmental chemistry. Environmental pollution. Atmospheric pollution. Tropospheric pollution.			
DAY 271	27-Jan-19	SUNDAY				
DAY 272	28-Jan-19	MONDAY	Particulate pollutants. Stratospheric pollution. Water pollution.			
DAY 273	29-Jan-19	TUESDAY	Soil pollution. Industrial waste. Strategies to control environmental pollution. Green chemistry.			
DAY 274	30-Jan-19	WEDNESDAY		PRACTICE SESSIONS		
DAY 275	31-Jan-19	THURSDAY		PRACTICE SESSIONS		
DAY 276	1-Feb-19	FRIDAY				
DAY 277	02-Feb-19	SATURDAY				
DAY 278	3-Feb-19	SUNDAY				
DAY 279	04-Feb-19	MONDAY				
DAY 280	5-Feb-19	TUESDAY				
DAY 281	06-Feb-19	WEDNESDAY				
DAY 282	7-Feb-19	THURSDAY				
DAY 283	08-Feb-19	FRIDAY				

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	CLASS	I P U C	PUC (4 THEORY+2 PRACTICE HOURS A WEEK)	PRACTICE SESSIONS	PRACTICALS (1 CLASS OF 2 HOURS DURATION PER WEEK PER BATCH)
DAY	DATE	DAY			
DAY 284	9-Feb-19	SATURDAY			
DAY 285	10-Feb-19	SUNDAY			
DAY 286	11-Feb-19	MONDAY			
DAY 287	12-Feb-19	TUESDAY			
DAY 288	13-Feb-19	WEDNESDAY			1PU ANNUAL EXAM
DAY 289	14-Feb-19	THURSDAY			
DAY 290	15-Feb-19	FRIDAY			
DAY 291	16-Feb-19	SATURDAY			
DAY 292	17-Feb-19	SUNDAY			
DAY 293	18-Feb-19	MONDAY			
DAY 294	19-Feb-19	TUESDAY			
DAY 295	20-Feb-19	WEDNESDAY			
DAY 296	21-Feb-19	THURSDAY			
DAY 297	22-Feb-19	FRIDAY			
DAY 298	23-Feb-19	SATURDAY			
DAY 299	24-Feb-19	SUNDAY			
DAY 300	25-Feb-19	MONDAY			
DAY 301	26-Feb-19	TUESDAY			
DAY 302	27-Feb-19	WEDNESDAY			
DAY 303	28-Feb-19	THURSDAY		PRACTICE SESSIONS	
DAY 304	1-Mar-19	FRIDAY		PRACTICE SESSIONS	
DAY 305	02-Mar-19	SATURDAY			
DAY 306	3-Mar-19	SUNDAY			
DAY 307	04-Mar-19	MONDAY			
DAY 308	5-Mar-19	TUESDAY			
DAY 309	06-Mar-19	WEDNESDAY			
DAY 310	7-Mar-19	THURSDAY			
DAY 311	08-Mar-19	FRIDAY			
DAY 312	9-Mar-19	SATURDAY			
DAY 313	10-Mar-19	SUNDAY			
DAY 314	11-Mar-19	MONDAY			
DAY 315	12-Mar-19	TUESDAY			
DAY 316	13-Mar-19	WEDNESDAY			
DAY 317	14-Mar-19	THURSDAY			
DAY 318	15-Mar-19	FRIDAY			
DAY 319	16-Mar-19	SATURDAY			
DAY 320	17-Mar-19	SUNDAY			
DAY 321	18-Mar-19	MONDAY			
DAY 322	19-Mar-19	TUESDAY			
DAY 323	20-Mar-19	WEDNESDAY			