



XI NEET LIVE MICROSCHEDULE

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Week		Class No.	TEST Code	Chapter	Topic Title	Subtopics	Chapter	Class Title	Subtopics	Chapter	Class Title	Subtopics	Chapter	Class Title	Subtopics
No.	09/07/2024 To 14/07/2024	1		Some basic concepts of chemistry	Male Concept	Atomic Number, Atomic mass, Average atomic mass, Laws of Chemical combination, Dattons Atomic Theory, Mole concept, Molar volume, Avagadreis Law and Its application, Materia Atomica and Molecular formula composition, Empirical Formula and molecular formula	Physical world	Physical world	What is physics, Scope & Excitoment of physics, Fundamental forces in nature, Nature of physical laws	The Living World	Introduction - Exploring Life	Introduction, What is living? Diversity in the living world, Nomenclature, Need for classification, Classification -Taxonomy, Systematics	Structural Organisation in Animal	Epithelial Tissues & Connective Tissue	Animal Tissues Epithelial Tissues: General features, basement membrane, types of Epithelial Tissues: General features, basement membrane, epithelial Tissues, Simple Compound Epithelian, specialized epithelial Tissues, Dense connective Tissues Characters with samples. Support connective Tissue: Characters with samples. Support connective Tissue: Characters with composition, Difference between cattlage & bone, Muscular Tissue: Types of Muscles: Salterial muscles.
		2		Some basic concepts of chemistry	Stoichiometry reaction and numerical problem	Stoichiometric Calculations, % purity and % yield, Limiting reagent	Units and Measurments	System of Units and Errors in measurements	Introduction, International system of units, Measurement of length, Mass and Time, Errors in measurements	The Living World	Taxonomic categories	Taxonomic categories, species, genus, family, order, class, phylum (division), kingdom	Structural Organisation in Animal	Nervous Tissue	Smooth muscles, Cardiac muscle, Nervous Tissue: Structure of neuron and its parts, Different types of neuron; Myelinated & Nonmyelinated neurons, Neuroglia cells-Types of glial cells
		3		Some basic concepts of chemistry	Concentration Terms and Interconversion between different Concentration terms	Concentration terms (Molarity, Molality, 3' W/W, 5' W/V, 90/VI) Mole Fraction and PPM, Interconversion between different Concentration terms	Units and Measurments	Significant Figures & Dimensions of Physical quantities	Least Count, Significant figures, Dimensions of physical quantifies, Dimensional formulae & dimensional equations, Dimensional analysis and its applications.	Biological Classification	Kingdom system of classification	Introduction, Kingdom system of classification- two kingdom, three kingdom, four kingdom, live kingdom, jak kingdom, pomains of Ife, four kingdom, five kingdom, Skingdom, Domains of Ife, Kingdom Monera-Characters of monera, Shape of bacteria, Bictorial Life process - Respiration, Nutrition	Structural Organisation in Animal	Morphology and Anatomy of Frog	Frog: Morphology, Anatomy, Digestive System, Respiratory System, Groulatory System, Excretory System, Nervous System, Reproductive System, Economic Importance.
w2	16/07/2024 To 21/07/2024	4		Redox reaction	Oxidation number & Balancing of redox reaction	Dudation number calculation, Balancing of redox reaction	Vectors	Vectors	Scalars & Vectors, Representation of a vector, Position & Displacement vectors, Angio between how vectors, full vector, Multiplication of vectors ally near Augustalleogram Law of vector addition, Polygon Law, Resolution of vectors, projection of vector, del product of vectors, agrications of del product, cross product of vectors, agrications of del product, cross product of vectors, and of traingle and parallelogram and other applications.	Diological Classification	Kingdom -monera	Reproduction- Acenual Sexual recombination, Economic Importance of bacteria, Archaebacteria-methanogene, halophiles, thermoacidophiles, Eubacteria – Cyanobacteria, Mycoplasm	Animal Kingdom	General characterstics	Animal Kingdom-General Account(Non chordated), Basis of classification, Levels of organization, Open/closed vascular system, Symmetry, Body-plan, Protostomos, Deuterostomos, Coelom & types, Segmentation, Notochord
W3	23/07/2024 To	5	LFIN-1	Redox reaction	Equivalent concept , equivalent weight and Normality	Equivalent concept and calculation of equivalent weight of Acid, Base, Sait, Oxidizing and Reducing Agent, Normality	KINEMATICS	Terms related to Kinematics	Introduction, Position, Path length and displacement, Average velocity & average speed.	Biological Classification	Kingdom - Protista	Protista-General characters- Chrysophytes, Dinoffagellates, Euglenoids, Slime moulds, Protozoane-major groups with some sailent features	Animal Xingdom	Porifera ,Cnidaria and Ctenophora	Porifera: General characters, Body wall, Types of cells, Skeleton: Spicules and spongin fitnes, Canal system-(Seneral outline), Reproduction, Chidaria: General characters, Body wall, Nematobiast Structures, Hydra-General characters, Polys, Modus, Metagenski, Corak, Cenophora: General characters, Comb plates, examples.
	28/07/2024	6		Atomic structure	sub-atomic particles, Atomic model and Electromagnetic radiation	Discovery of sub-atomic particles, Millikan's Oil-drop method, Concept of Isotopes, Isobars, Isotones and Isoelectronic species and Isodiaphers, Isosters, Thomson model, Rutherford nuclear model, Electromagnetic radiation,	KINEMATICS	Differentiation, its application & Integration	Differentiation and its application in physics and some basic formula, instantaneous velocity & speed, Acceleration, integral calculus physical significance and some basic formula	Biological Classification	Kingdom -Fungi -1	Fungi-general characters ,Characters of different classes of fungi - Phycomycetes, Ascomycetes	Animal Kingdom	Platyhelminthes and Aschelminthes	Platyhelminthes: General characters, Symmetry, Flame cells, Reproduction, examples-Taenia, Fasciola, Aschelminthes/Nematode: General characters, Reproduction with examples, nematodes-Ancylostoma, Wuchereria, etc.
W4	30/07/2024 To	7		Atomic structure	Plank quantum theory and Photoelectric effect	Plank quantum theory & related numericals, Photoelectric effect, black body radiation, Numericals of Photoelectric effect	IDNEMATICS	Graphs & motion in 1D with uniform acceleration	Graphs (slope, area etc.), Kinematic equations for uniformly accelerated motion, Motion under gravity	Biological Classification	Kingdom - Fungi -2	Fungi- Basidiomycetes , Deuteromycetes , Kingdom Plantae, Kingdom Animalia	Animal Kingdom	Annelida ,Arthropoda and Mollusca	Annelida: General characters, Reproduction, Nereis, Pherestima, Hirudinaria, Arthropoda: General characters of arthropods, Chilinous esoskeleton, Types of respiration, exertercy structures, reproduction, Types of mouthparts in insects. Mollusca: General characters with examples,
	04/08/2024	8		Atomic structure	Bohr's model, spectrum and dual nature of matter	de Broglie equation and related numericals, Bohr's model, Calculation of radius, velocity, Time period, Frequency and Energy of electron in nth orbit, ionisation energy & Excitation energy. Excitation energy in Excitation energy energiates and absorption spectrum, Line spectrum of hydrogen,	KINEMATICS	Motion in Plane(uniform acceleration)	Motion in a plane, Motion in a plane with constant acceleration.,	Biological Classification	Viruses	Virus-introduction, discovery, structural components, Structure of some viruses (TMV, bacteriophages) Diseases, Sub-viral agents – Vireids, Virusoids, Prions; Lichens, Mycorrhiza	Animal Kingdom	Echinodermata and Hemichordata	Echinodermata: General characters, Water ambulacral/vascular system. Hemichordata: General characters, stomochord, examples.
	05/08/2024	9	LFTN-2	Atomic structure	Atomic orbitals,Quantum numbers,Helsenbergs uncertainity principle and Wave machanical model of atom	Heisenbergs uncertainity principle, Atomic orbitals, shape of orbitals, Quantum numbers, Wave machanical model of atom	KINEMATICS	Relative motion in 2D	WS (40%) Relative velocity in two dimensions.& rain man problems, river swimer problems	Plant Kingdom	(20%) Classification systems	Introduction of plant kingdom, Classification systems- artificial, natural and phylogenetic, Branches of taxonomy	Animal Kingdom	Phylum - Chordata	Animal Kingdom-General Account(chordates) Chordates: General characters,
W5	To 11/08/2024	To 11/08/2024 10		Atomic structure	Aufbau Principle, Paul's and Hund's rule ,nodes, Graph of wave functions and orbitals	Electronic configuration of atoms, Aufbau Principle, Paul's exclusion principle and Hund's rule of maximum multiplicity. Electronic configuration of ions, paramagnetic and diamagnetic ions, spin only magnetic moment, Radial & angular nodes, Graph of wave functions and orbitals	KINEMATICS	Projectile Motion-I	Projectile motion – Equation of path of a projectile, Time of flight of projectile, Maximum height of projectile, Horizontal range of projectile.comparision of different parameters of projectile for complimentary angles	Plant Kingdom	Algae	Algae-general characters, Economic importance of algae, Characters of different classes of algae- chlorophyceae, Phaeophyceae, rhodophyceae	Animal Kingdom	Sub Phylum - Chordata -general characterstics	3 subphyla-Urochordata, Cephalochordata, Vertebrata
W5	15/08/2024 13/08/2024	11		Periodic properties	periodic law and lassification of periodic table, s, p, d and f-block elements,	Law of triads, Newland's law of octaves, Mendeleevs periodic law and table, Modern periodic law and table, Nomenclature of elements with atomic number > 100, Electronic configuration and classification of periodic table, s, p, d and f-block elements,	BINEMATICS	Projectile Motion-II	Horizontal projectile motion	Plant Kingdom	Bryophytes- General Characters, Life Cycle	Bryophytes- General Characters, Life Cycle	Animal Kingdom	Urochordata	Urochordata-General characters with examples.
	18/08/2024	12		Periodic properties	General periodic trends and chemical reactivity of compounds,	Atomic radius, Ionic radius, Ionization enthalpy, Electron gain enthalpy, Bectronegativity, Periodicity of valence or oxidation state, Anomalous properties of elements of second period, General periodic trends and chemical reactivity of comeounds.	RINEMATICS	Kinematics of Circular Motion	Uniform circular motion	Plant Kingdom	Classification of Bryophytes	Classification of Bryophytes, Liverworts, Mosses	Animal Kingdom	Cephalochordates	Cephalochordates: General characters with examples.
_	19/08/2024	TEST	LFTN-3						W5 (40%), 1	W4 (40%), W1 to	3 (20%)				
	19/08/2024	13		Chemical bonding	Octet rule,VIIT,VIITR theory, and Hybridisation	Kossel-Lewis Approach to chemical bond, Octet rule, Lewis dor structures, Coxiliant bond & coordinate covalent bond (selfinition only), Formal Intrape, Ionic bond, Tatrice entrality, Hydration entraturay, Bonn Haber cycle, Polarisation, Fajan's rule and its applications, VBT; sigma and pi-bonds, VEFEB Home, Habridisation.	Laws of Motion	Introduction, Inertia, First law of motion, Momentum & Conservation of momentum	Introduction, Aristotki's fallacy, The law of inertia, Newton's first law of motion Momentum, Conservation of momentum (Rocket Propulsion)	Plant Kingdom	Pteridophytes ,Gymnosperms, Angiosperms	Pteridophytes - General Characters, Life Cycle of Bryophytes, Heterospony and Seed Habit, Classification of Pteridophytes Gymnosperme, General Characters, Life Cycle of Penidophytes, Classification of gymnosperm, Angiosperms - general characters	Animal Kingdom	Vertebrata: Agnatha & Gnathostomata: Cyclostomata	Vertebrata: Agnatha & Gnathostomata: Cyclostomata-General characters with examples Petromyzon, Myxine.
W7	20/08/2024 To 25/08/2024	14		Chemical bonding	Bond parameters and Polarity in covalent compounds	Bond parameters (Bond Inngth, Bond energy, Bond angle, Bond order), Resonance structure, Polarity in covalent compounds	Laws of Motion	Newton's second and third law of motion, their application and Friction	Newtori's 2nd law of motion, Newtori's third law of motion, Equilible und a particle, Common forces in mechanics, Introduction of Friction, Types of Friction, Laws of Friction, Dynamic Iricitos, Graph between Applied force and force of friction, Angle of thiction, Angle of Repose, Pulling is easier than juntilegicCollection of a body down a rough incline plane, Some Special case of friction, Rolling Friction, Methods of Reducing Friction, Diadowtage of Friction of Reducing Friction, Diadowtage of Friction of	Morphology of Flowering	Root - types and modification	Introduction, Root-types, function, Root regions, modifications	Animal Xingdom	Vertebrata -Pisces , Tetra poda	Pisce: General characters, Classes Ocndrichthyes, Otzeichthyes:Differences betwein cartiliginous. & Borry finhes, Scollodon, Onimare, Esocotaci, Jabio. Type of scales, Anghibia: General characters, and examples, Regita: True land writebrates, General characters with examples, Arec General characters with examples, Manualiz: General characters, Subclasses-Prototheria, Metatheria, Estheria
	27/08/2024	15		Chemical bonding	Molecular orbital theory, and Hydrogen Bonding	Molecular orbital theory, Energy level diagram of O2, N2, Hydrogen Bonding	Laws of Motion	Dynamics of Circular motion	Dynamics of Circular motion: Circular Motion in horizontal plane, Centripital force, Conical Pendulum, Non Uniform circular motion, Tangential force, Net accelation (With Extransity)	Morphology of Flowering	stem - introduction and function	Introduction of stem, bud, function of stem,	BREATHING & EXCHANGE OF GASES	Human Repiratory system	Repiratory organs, Human Repiratory system: Respiratory passage, lungs, pleurae, alveol.
W8	To 01/09/2024	16		Chemical bonding	Intermolecular forces in molecules	intermolecular forces in molecules	Laws of Motion	Banking of a road	A Cyclist Making a turn, An Aeroplane Making a Turn, Death well and rotor, A car taking A turn on a level road, Maximum safe speed of turning, Banking of Road, Factors that decide the value to angle of banking	Morphology of Flowering	Modification of stem	modification of stem	BREATHING & EXCHANGE OF GASES	Mechanism of breathing-	Mechanism of breathing-inspiration, expiration, thoracic & abdominal breathing, Respiratory volumes and Respiratory capacities
	02/09/2024	TEST	LFTN-4						W7 (40%), W	њ (40%), W1 TO	ws (20%)				
W9	03/09/2024	17		Thermodynamics and Chemical Energetics	basic turms and parameter of Thermodynamics	The System & surrounding, Extensive & Intensive properties, State and path Function, Reversible and irreversible process, cyclic process, isobaric, isochoric,	Work Power and Energy	Introduction, work done by a force & Work Energy	Notions of work & kinetic energy, The work-energy theorem, Work, Kinetic energy, Work done by a variable force, The work	Morphology of Flowering	Leaf - introduction and its parts	Leaf-introduction, parts, venation	BREATHING & EXCHANGE OF GASES	Exchange of gases	Exchange of gases between alveoli & blood; exchange of gases between blood & tissue cells.
	08/09/2024	18		Thermodynamics and Chemical Energetics	work and heat, First Law of thermodynamics	isothermal process, Adiabatic process Internal energy, Work done in various thermodynamic processes, Heat, First Law of thermodynamics,	Work Power and Energy:	Potential Energy	The concept of potential energy, Various forms of energy, The potential energy of a spring.	Morphology of Flowering	Leaf - types and modifications	Leaf - types (simple and compound leaf), Leaf-Phyllotaxy, Modifications	BREATHING & EXCHANGE OF GASES	Transport of gases	Transport of oxygen, Bohr's effect; Transport of carbon dioxide, Chloride shift (Hamburger's phenomenon)
	10/09/2024	19		Thermodynamics and Chemical Energetics	Enthalpy	Enthalpy, Relation between Enthalpy and Internal energy, numericals	Work Power and Energy:	The conservation of mechanical energy	The conservation of mechanical energy	Morphology of Flowering	Inflorescence	Inflorescence – racemose and cymose	BREATHING & EXCHANGE OF GASES	Regulation and disorders of respiratory system	Regulation of respiration: Respiratory disorders, Bronchitis, Asthma, Emphysema, Occupational respiratory disorder
	To 15/09/2024	20		Thermodynamics and Chemical Energetics	Heat capacity	Heat capacity, Specific heat capacity, Molar heat capacity at constant pressure and volume, Relation between Cp and Cv, Meseaurment of dU and dH	Work Power and Energy:	Motion in a Vertical Circle, The law of conservation of energy & Power	Motion in a Vertical Circle, The law of conservation of energy, Power	Morphology of Flowering	Flower	Flowers-terminology, symmetry	BODY FLUIDS & CIRCULATION	Human circulatory system - Blood , lymph,heart	Huid connective tissue-elsoid & composition of blood-blood ceals & passina, Blood grouping, blood coaguitation, clotting factors, hippl, Circulatory pathways, Human circulatory system-external & internal structure of heart, Histology of heart wall, working of heart
	16-09-2024	1621	LETN-S		1	Enthalpy change, Standard Enthalpy of reaction, Enthalpy of combustion			W9 to W	w 100%), W1 to 7	1			1	
W11	17/09/2024 TO 22/09/2024	21		Thermodynamics and Chemical Energetics Thermodynamics and	different type of enthalpy and Hess's law	formation, neutralization, Enthalpy of Phase transition, Bond enthalpy, Enthalpy of atomization, Enthalpy of solution, Hess's law,	Work Power and Energy:	Collisions in 1D	Collisions – elastic and inelastic collision, Collision in one dimension.	Morphology of Flowering Morphology of	Parts of flower	Position of floral parts on thalamus, parts of flower (calyx and corolla), aestivation	BODY FLUIDS & CIRCULATION	Cardiac cycle and output , ECG Double circulation and regulation of	Cardiac cycle, Cardiac output, Heart sounds, conducting system of heart, ECG, Double circulation, heart beat, regulation of heart beat-Neural regulation,
	17/09/2024 TO			Chemical Energetics		and apply and apply change in constant, process, crocks if the energy	SEMISTER BREAK FOR SCHOOL EXAMS	Johnson Jim 20	Consider in two strategicts.	Flowering				heart beat	hormonal regulation
<u> </u>	22/09/2024	TEST	LCTN-1						W7 to W1	0 (80%) W1 to 4	(20%)				
	02/10/2024	1001	com-1		G	NDHI JAYANTI (Wednesday)									
	01/10/2024	23		Thermodynamics and Chemical Energetics	spontaneity and equilibirum constant	spontaneity of Reaction, Gibbs free energy change and equilibirum constant, numericals	ROTATION	Centre of mass	Introduction, Centre of mass of two particle system, Centre of mass of risk body	Morphology of Flowering	Fruits	Fruits-parts, types, edible parts	BODY FLUIDS & CIRCULATION	Blood Vessels	Blood Vessels-Aorta, Arteries, Arterioles, Capillaries, Venules, Veins, Vena Cava
W12	TO 06/10/2024	24		Chemical Equilibrium	law of mass action,	Basic idea of reaction rate, law of mass action, equilibrium state, types of equilibrium. Qc, Equilibrium constant Kc and numericals	ROTATION	Motion of centre of mass & linear momentum of Systems of Particles	motion of centre of mass, linear momentum of system of particles	Morphology of Flowering	Seed	Structure of dicotyledonous and monocotyledonous seed	BODY FLUIDS & CIRCULATION	Lymphatic system	Lymphatic system,
	10/10/2024					(THURSDAY) ASHTAMI									
	12/10/2024					(SATURDAY) DUSSHERA									
	08/10/2024	25		Chemical Equilibrium	relation between Kc and Kp and , relation between Kc and Gibbs free energy	Equilibrium constant Kp, relation between Kc and Kp, Effect of temperature on equilibrium constant Kc, relation between Kc and Gibbs free energy	ROTATION	Kinematics of Rotational Motion	kinematics of rotational motion	Morphology of Flowering	Flowers- Families	Families- solanaceae, Malvaceae, cruciferae, leguminoceae, compositae, graminae	BODY FLUIDS & CIRCULATION	Disorders of circulatory system	Disorders of circulatory system-Hypertension, Coronary artery diseases, Angina, Heart failure

		13/10/2024	26		Chemical Equilibrium	Le Chatelier principle	Factor affecting equilibrium, (Le Chatelier principle, Effect of Change in pressure, change in temperature, Catalyst)	ROTATION	Torque, Angular momentum & Equilibrium of rigid body	Introduction to torque and angular momentum, Equilibrium of rigid body	CELL: THE UNIT OF LIFE	Introduction - Cell and Cell Theory	Introduction What is a Cell? Cell Theory	BIOMOLECULES	Primary and Secondary Metabolites	Introduction, How to Analyse Chemical Composition?, Primary and Secondary Metabolites,
Image: section of the section of th		15/10/2024	27	LFIN-6	Ionic Equilibrium	Concept of Acid base , Ostwald dilution law and Common ion effect	Concept of Acid base (Arrhenius concept, Bronsted-Lowery, Lewis concept), Ionization of weak Acid and Base, Octwald dilution law, Common ion effect	ROTATION	Mol , Radius of gyration, Perpendicular and Parallel axis theorems	waz yovy, v moment of inertia, radius of gyration, Theorems of perpendicular and parallel axis and their application	CELL: THE UNIT OF LIFE	Prokaryotic Cell	An overview of Cell Protoaryctic Cells Cell Envelope and Re Modifications Nucleoid, Prochromosome and Plasmids Ribosomes and Inclusion Bodies	BIOMOLECULES	Biomacromolecules	Biomacromolecules
No.         <	W14	TO 20/10/2024	28		Ionic Equilibrium	lonic product of water pHand pOH scale	lonic product of water, pHand pOH scale	ROTATION	Dynamics of rotational motion	rotational motion about a flued axis. Dynamics of rotational motion about a fixed axis, Angular momentum in case of rotation about a fixed axis.	CELL: THE UNIT OF LIFE	Eukaryotic Cell and its organells	Eukaryotic Cells Cell Momthane Gell Wall Endostennik Petrculum (R) Gelgi jappartanik sertculum (R) Gelgi jappartanis Lynoomes Vacuolis	BIOMOLECULES	Proteins	Proteins
HoleHo	W15	22/10/2024 TO 27/10/2024	29		Ionic Equilibrium	pH calculation and Buffer solution	pit calculation, Buffer solution, Type of Buffer solution, pit, Buffer capacity and Buffer range	ROTATION	Conservation of angular momentum & Angular Impulse	law of conservation of angular momentum, angular impulse	CELL: THE UNIT OF LIFE	Eukaryotic Cell organelles - II	Mittochnorifia Plastidis Ribocomis Cytostauteonia Centrosine and Centroles Nucleus Chromosomes Microbodies	BIOMOLECULES	Carbohydrates	Carbohydrates
Image: problem         Image:		28/10/2024 30/10/2024 31/10/2024	TEST	LFTN-7	<u>,</u>		W14 (40%), W13 (40%), W1 to (WEDNESDAY) CHHOTIDIWALI (THURSDAY) DIWALI	W13 (20%)								
Image: section of the sectio		01/11/2024 02/11/2024					(FRIDAY) GOVARDHANPODJA (SATURDAY) BHAIDODJ	-								
No. 100         No. 100         Same and any and any any and any		05/11/2024	30		Ionic Equilibrium	Salt and Salt hydrolysis and Titration	Salt and Salt hydrolysis, Solubility and Solubility product, theory of indicators, Titration- acid based and redox (Numericals)	GRAVITATION	Introduction, Kepler's Law & Gravitational's Law	Introduction, Kepler's laws, Universal law of Gravitation, Gravitational constant, Acceleration due to gravity of the earth, Acceleration due to gravity below & above the surface of the earth.	Cell Cycle and Cell Division	Cell cycle	Introduction Phases of Cell Cycle M Phase(introduction)	BIOMOLECULES	Structure of Proteins	Structure of Proteins
Note of the set of t	W16	TO 10/11/2024	31		P block elements	Boron Family AND Carbon Family	G13 +14 (General trends and unique behaviour of first element), General trends in physical and chemical properties of element across the period and down the group	GRAVITATION	Gravitational Potential Energy, Escape and orbital velocity & Orbiting Satelites	Gravitational potential energy, gravitational potential. Eccape speed, Earth's satellite, Energy of an orbiting satellite, orbital velocity of satellite	Cell Cycle and Cell Division	Cell division - MITOSIS	Mitosis Progihasa Mataphasa Anaphisa Talophasa Cyclolinesis Significance of Mitosis	BIOMOLECULES	Nucleic Acids, Enzymes, Chemical Reactions	Nucleic Acids, Enzymer, Chemical Reactions
<table-container>           Normal         Normal</table-container>		07/12/2024	TEST	LCTN-2		_	CHAT POOJA			W12 TO 15	(80%), W1 TO 1	. (20%)				
Normal	W17	12/11/2024 TO 17/11/2024	32		General Organic Chemistry	Basic language of Oraganic chemistry	Classification and IUPAC Nomenclature of organic compounds,	PROPERTIES OF SOLIDS	Introduction & stress strain	Introduction, Elastic behavior of solids, Stress & strain, Hooke's law, Stress-strain curve	Cell Cycle and Cell Division	Cell division - MEIOSIS	Meiosis Meiosis-1 Meiosis-1 Singnificance of Meiosis	BIOMOLECULES	Classification and nomenclature of enzyme	How do Enzymes bring about such High Rates of Chemical Conversions? Nature of Enzyme Action, Factors Affecting Enzyme Activity, Classification and Nomenclature of Enzymes, Co-factors, Nature of Bond Linking Monomers in A Polymer, Dynamic State of Body Constituents - Concept of Metabolism, Metabolic Basic for Using
<table-container>          New image: New image</table-container>	W18	19/11/2024 TO	33		General Organic Chemistry	Nomenclature of Aromatic compounds AND cyclo compound	Nomenclature of Aromatic compounds and brief discussion on nomenclature of cyclo compound	PROPERTIES OF SOLIDS	Elastic potential energy, Elastic moduli	Elastic Potential Energy, Elastic moduli, Applications of elastic behaviour of materials.	Anatomy of Flowering Plants	Epidermal and Ground Tissue system	Introduction, Tissue system - epidermal, ground tissue system	EXCRETORY PRODUCTS & THEIR ELIMINATION	Human excretory system and mode of excretion	Mode of excretion- Ammonotelism, Urcotelism, uricotelism (brief account), Different types of excretory structures in various animals, Human excretory system-structure of kidney, ureter, urinary bladder
Normal problem         Normal		24/11/2024	34		General Organic Chemistry	Electronic displacement,	Electronic displacement, inductive effect, Electromeric effect	FLUIDS	Pressure and its variation	Introduction, Pressure due to a fluid column, variation with depth, atmospheric pressure and guage presure	Anatomy of Flowering Plants	Vascular Tissue System	Vascular Tissue System, Types of vascular bundles	EXCRETORY PRODUCTS & THEIR ELIMINATION	Structure of nephron	Nephron: Structure including glomerulus, Bowman's capsule, PCT, Loop of Henle & DCT; and its types i.e.cortical and juxtamedullary nephrons.
N         N		25/11/2024	TEST	LFTN-8	Control Control Control Control	delocalization of pi electron in		FLUEPE	Pascal's Law, Hydraullic	W17(40%), W	L6 (40%), W1 to 1 Anatomy of	V15 (20%)	Distriction of Charles Management of Annual Charl	EXCRETORY PRODUCTS & THEIR		Urine formation : Glomerular filtration-Structure of Malpighian body, Ultra
	W19	26/11/2024 TO 01/12/2024	36		General Organic Chemistry	conjugation system Hyperconjugation	Hyperconjugation	FLUIDS	machines Continuity equation and Bernoulli's priciple	Streamline flow, Equation of continuity, Bernoull's principle and its application	Flowering Plants Anatomy of Flowering Plants	Anatomy of leaf	Dicorpationous stam, wombcitywoonous stam Dorsiventral (Dicotyledonous) Leaf, isobilateral (Monocotyledonous) Leaf	ELIMINATION EXCRETORY PRODUCTS & THEIR ELIMINATION	Countercurrent mechanism and kidney regulation	Initiation mechanism, generative future interaction rates, interaction rates on autoreguitation of glomerular fataration, Tubular reaktorption & secretion Countercurrent mechanism, Regulation of kidney function: Osmoregulation, control by justa glomerular apparatus, Rennia-angiotensin aldosterone system (Rekk) arich Martinetir fatror. alful and Dishete inicidents
No.         No.         No.         Solution of the state		03/12/2024 TO 08/12/2024	37 38		General Organic Chemistry	Reaction intermediate	Reaction intermediate carbocation, Carbanion, Free radical, Carbene, Nitrene	FLUIDS	Viscosity, strokes law, terminal velocity	Viscosity, strokes law, terminal velocity	Photosynthesis in Higher Plants	Photosynthesis - Early experiments	Introduction, Importance, What do we know?, Early experiments	EXCRETORY PRODUCTS & THEIR ELIMINATION	Compostion of Urine and kidney transplantation	Unine: Its composition, micturition mechanism, role of other organs like, kidney, lungs, liver and skin in excretion. Disorders-uremia, renal failure, renal calculi, nephritis. Dialysis and artificial kidneys & kidney transolaritation.
Net betw         Not betw	W20				General Organic Chemistry	Stability of reaction intermediate	Stability of reaction intermediate	FLUIDS	Surface Tension, Surface energy & Application of Surface Tension	Surface tension, surface energy, angle of contact, application of surface tension- drops, bubbles, capillary rise	Photosynthesis in Higher Plants	Absorption spectrum and action spectrum	Where does photosynthesis take place?, How many types of pigments are involved in photosynthesis? - Pigments, Absorption spectrum and action spectrum	LOCOMOTION & MOVEMENT	Types of movements and structure of skeletal muscle	Types of movements: Ciliary, protoplasmic streaming, flagellar, muscular; Types of muscles and their structures. Muscle contraction-structure of contractile proteins-actin, myosin, troponin and tropomyosin.
I       I	W21	09/12/2024 10/12/2024 TO 15/12/2024	TEST 39	LFTN-9	General Organic Ohemistry	Aromaticity	Aromatic, Anti-aromatic, Non-aromatic compounds	Thermal Properties Of Matter	Introduction, Heat & Temperature, ideal gas quation, thermal expansion	W19 (40%), W Introduction, Temperature & Heat, measurement of temperature, Ideal gas equation & Absolute temperature, Thermal expansion.	18 (40%), W 1 to Photosynthesis in Higher Plants	W17(20%) light reaction - Photosystems	What is light reaction?	LOCOMOTION & MOVEMENT	Mechanism of muscle contraction -I	Mechanism of muscle contraction-Sliding filament theory
No			40	-	General Organic Chemistry	Isomerism Structural	Isomerism Structural Isomerism	Thermal Properties Of Matter	Specific heat capacity & Calorimetry	Specific heat capacity, Calorimetry, Change of state, latent heat	Photosynthesis in Higher Plants	Cyclic and non-cyclic photophosphorylation	Electron Transport System, Splitting of water, Cyclic and non-cyclic photophosphorylation	LOCOMOTION & MOVEMENT	Mechanism of muscle contraction -II	Role of calcium and regulatory proteins, role of ATP, various stages in cross bridge formation & break down, red and white muscle fibres Avial skeleton: Skull-cranial bones. facial bones. Hvoid. Ear oscides malleus.
Note         Note </td <td>W22</td> <td>17/12/2024 TO</td> <td>41</td> <td></td> <td>General Organic Chemistry</td> <td>Tautomerism</td> <td>Isomerism : Tautomerism</td> <td>Thermal Properties Of Matter</td> <td>Conduction , Convection.</td> <td>Heat transfer -Conduction , Convection.</td> <td>Photosynthesis in Higher Plants</td> <td>Chemiosmotic theory</td> <td>Chemiosmotic theory, WHERE ARE THE ATP AND NADPH USED?</td> <td>LOCOMOTION &amp; MOVEMENT</td> <td>Axial skeleton- skull and vertebral column</td> <td>incus, stapes, Vertebral column-cervical, thoracic, lumbar, sacral, coccyx vertebrae</td>	W22	17/12/2024 TO	41		General Organic Chemistry	Tautomerism	Isomerism : Tautomerism	Thermal Properties Of Matter	Conduction , Convection.	Heat transfer -Conduction , Convection.	Photosynthesis in Higher Plants	Chemiosmotic theory	Chemiosmotic theory, WHERE ARE THE ATP AND NADPH USED?	LOCOMOTION & MOVEMENT	Axial skeleton- skull and vertebral column	incus, stapes, Vertebral column-cervical, thoracic, lumbar, sacral, coccyx vertebrae
Norma         Norma <t< td=""><td></td><td>22/12/2024</td><td>42 TEST</td><td>LCTN-3</td><td>General Organic Chemistry</td><td>Geometrical Isomerism</td><td>Geometrical Isomerism</td><td>Thermal Properties Of Matter</td><td>Radiation</td><td>Heat transfer – Radiation, Stefan's Law, Wien's law W17 to W20</td><td>Photosynthesis in Higher Plants (80%), W2 to W</td><td>C3 cycle and C4 cycle</td><td>The Primary Acceptor of CO2, The Calvin Cycle, C4 cycle</td><td>LOCOMOTION &amp; MOVEMENT</td><td>Axial skeleton - Ribs</td><td>Ribs-vertebrosternal/True ribs, vertebrachondral/False ribs, Vertebral/Floating ribs, rib cage, sternum</td></t<>		22/12/2024	42 TEST	LCTN-3	General Organic Chemistry	Geometrical Isomerism	Geometrical Isomerism	Thermal Properties Of Matter	Radiation	Heat transfer – Radiation, Stefan's Law, Wien's law W17 to W20	Photosynthesis in Higher Plants (80%), W2 to W	C3 cycle and C4 cycle	The Primary Acceptor of CO2, The Calvin Cycle, C4 cycle	LOCOMOTION & MOVEMENT	Axial skeleton - Ribs	Ribs-vertebrosternal/True ribs, vertebrachondral/False ribs, Vertebral/Floating ribs, rib cage, sternum
	W23	24/12/2024 TO	43		General Organic Chemistry	Conformational Isomerism	Conformational Isomerism in ALKANE and Cyclohexane	Thermodynamics	Introduction, zeroth and first law of thermodynamics	Introduction, Thermal equilibrium, Zeroth law of thermodynamics, Heat, internal energy and work, First law of thermodynamics	Photosynthesis in Higher Plants	Factors affecting Photosynthesis	Photorespiration, Comparison between C3 & C4-plants, Factors affecting Photosynthesis	LOCOMOTION & MOVEMENT	Appendicular skeleton	Appendicular skeleton: Pectoral girdle, bones of upper limb (Humerus, radius, ulna, carpais, metacarpais and phalanges), pelvic girdle, bones of lower limb (fermur, patella, tibia, fibula, tarcais, metatarsais, phalanges). Matter Bener, cardinalose and cancel all fibul na codet. biose name
Image: problem in the state of th		29/12/2024	44		General Organic Chemistry	analysis method and determine the quantity	Purification of Organic compounds : Sublimation, Crystallisation, Distillation (of all types), Differential extraction and Chromatography	Thermodynamics	Specific heat capacity, state variables & equation of state	Specific heat capacity.Thermodynamic state variables & equation of state,	Respiration in Plants	Respiratory substrates	Introduction, Respiratory substrates, Do plant breath?	LOCOMOTION & MOVEMENT	Types of Joints Disorders of muscles	gliding and caldie joint). Bone & disorders of muscles & Scienta avoid, may prove Myasthenia gravis, muscular dystrophy, tetary, Arthritis, Osteoporosis, Gout etc.
Norm         Avector         A		25/12/2024					(WEDNESDAY) CHRISTMASDA									Human neural system: Central and peripheral neural system, neuron as
$ \begin{vmatrix} z \\ z$	W24	31/12/2024 TO 05/01/2025	45		General Organic Chemistry	analysis of elements in Organic compounds	Qualitative analysis of organic compounds : Detection of Carbon, Hydrogen, Nitrogen, Sulphur, Halogen and Phosphorus	Thermodynamics	Thermodynamic processes Second law of	Thermodynamic processes	Respiration in Plants	Glycolysis	Glycolysis (mechanism), Fermentation, Aerobic respiration–link reaction	NEURAL CONTROL & COORDINATION	Human neural system and nerve implse generation and transmission	Arrictical and for colora dim to instituta spaceri, dimensi space di mandorsi and their location. Never impuese, generation and its transmission-Resting membrane potential, spike potential, action potential, depolarization, repolarization, hyperpolarization.
NUMBER         Number<			46		General Organic Chemistry	analysis of elements in Organic compounds	Quantitative analysis of elements (Carbon, Hydrogen, Nitrogen, Sulphur, Halogen and Phosphorus) in organic compounds	Thermodynamics	thermodynamics, Reversible and	Second law of thermodynamics, Reversible and irreversible process.	Respiration in Plants	TCA Cycle and Electron transport system	Tricarboxylic Acid Cycle, Electron transport system and oxidative phosphorylation	NEURAL CONTROL & COORDINATION	Types of Synapses	Synapses: Electrical and Chemical, synaptic transmission, Neurotransmitters; excitatory and inhibitory.
Normal	_	01/01/2025	TEST	LETN-10			(WEDNESDAY) NEW YEAR		The sol process	W23 (40%) W	22 (40%) W1 to	N21 (20%)				
NB N N N N N NN <td></td> <td rowspan="2">07/01/2025 TO 12/01/2025</td> <td rowspan="2">47</td> <td rowspan="2"></td> <td>Hydrocarbon</td> <td>ALKANE</td> <td>Preparation of ALKANE &amp; Properties of ALKANE</td> <td>Kinetic Theory Of Gases</td> <td>Introduction and assumptions of KTG</td> <td>Introduction, Molecular nature of matter, Behaviour of gases, Kinetic theory of an ideal gas.</td> <td>Respiration in Plants</td> <td>Respiratory balance sheet and R.Q value</td> <td>Respiratory balance sheet, Amphibolic pathway, Respiratory quotient</td> <td>NEURAL CONTROL &amp; COORDINATION</td> <td>Structure of Brain</td> <td>Structure of Brain: Meninges of Brain, Forebrain, cerebrum, thalamus, hypothalamus, limbic system and their functions, mid brain (corpora quadrigemina and crura cerebri), hind brain (corrobellum, pons, medulla) wentricles of brain and cerebrospinal Tuid.</td>		07/01/2025 TO 12/01/2025	47		Hydrocarbon	ALKANE	Preparation of ALKANE & Properties of ALKANE	Kinetic Theory Of Gases	Introduction and assumptions of KTG	Introduction, Molecular nature of matter, Behaviour of gases, Kinetic theory of an ideal gas.	Respiration in Plants	Respiratory balance sheet and R.Q value	Respiratory balance sheet, Amphibolic pathway, Respiratory quotient	NEURAL CONTROL & COORDINATION	Structure of Brain	Structure of Brain: Meninges of Brain, Forebrain, cerebrum, thalamus, hypothalamus, limbic system and their functions, mid brain (corpora quadrigemina and crura cerebri), hind brain (corrobellum, pons, medulla) wentricles of brain and cerebrospinal Tuid.
Image: second	w25				Hydrocarbon	Free radical Halogenation of Alkane , Chemical and , physical properties of alkane	Free radical Halogenation of Alkane, Chemical properties of alkane, physical properties of alkane	Kinetic Theory Of Gases	Law of equipartition of energy, Mean free path and avogadro's law.	Law of equipartition of energy, Specific heat capacity, Mean free path, avogadro's law.	Plant Growth and Development	Growth rates	Plant Growth Generally is Indeterminate, Growth is Measurable, Growth curve, growth rates - arithmetic growth and geometric growth, Absolute growth rate and relative growth rate	NEURAL CONTROL & COORDINATION	Spinal cord & Peripheral nervous system	Spinal cord & Peripheral nervous system: Cranial nerves, Spinal nerves; Autonomic nervous System-sympathetic and parasympathetic nervous system and their functions.
No.         Left Prior         Prior         ALEXE         ALEXE         ALEXE         ALEXE         ALEXE         ALEXE         Prior         Mode         ALEXE         Prior         Mode         ALEXE         Prior         Mode         Mod		15/01/2025					PONGAL		Introduction and	Introduction, Periodic & oscillatory motions, Simple harmonic	Plant Growth	Condition for arouth 1	Differentiation Dedifferentiation and Redifferentiation		Enforcing shade hungthalarses of	Endocrine glands and hormones: Human endocrine system, hypothalamus- colordine and labilities hormones. Bituit au stand, Astronov and anti-
Image: bit state         Image: bit state<	W26	14/01/2025 TO 19/01/2025	49		Hydrocarbon	ALKENE	ALKENE Preparation & Physical properties of Alkene	SHM	kinematics of SHM	motion and uniform circular motion, Velocity and acceleration in simple harmonic motion	and Development	Development	Development - Definition, factors regulating it, plasticity	INTEGRATION	pituitary gland and its hormones	pituitary, its location & relationship with hypothalamus, its hormones, their principal actions and target organs.
VII         VIII         VIIII         VIIII         VIIII         VIIII         VIIII         VIIII         VIIII         VIIII         VIIII         VIIIII         VIIIII         VIIIIII         VIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		20/01/2025	50 TEST	LFTN-11	Hydrocarbon	Electrophilic addition reactions of alkenes	Chemical properties of alkene (addition reaction)	SHM	Dynamics of SHM	Force law for simple harmonic motion, Energy in simple harmonic motion. W25 (amc) w	and 24(40%). W1 to	PLANT GROWTH REGULATORS :Characteristics, Discovery W23(20%)	Plant Growth and Development- PLANT GROWTH REGULATORS :Characteristics, The Discovery of Plant Growth Regulators	CHEMICAL COORDINATION AND INTEGRATION	Disorders of hypothalamus and pituitary hormones	Disorders-Dwarfism, gigantism and acromegaly, diabetes insipidus.
Image: 1     <	W27	21/01/2025 TO	51		Hydrocarbon	oxidation and ozonolysis of alkene	Chemical properties of alkene (oxidation and ozonolysis)	SHM	Examples of SHM	Some systems executing SHM, The simple pendulum	Plant Growth and	Auxin	PLANT GROWTH REGULATORS : Auxin	CHEMICAL COORDINATION AND INTEGRATION	Thyroid glands and its hormones and disorders	Thyroid: Structure, location, hormones and their functions. Disorders of thyroid gland-cretinism, myxedema, simple goiter, exophthalmic goiter.
Verture         Verture         Verture         Substrate         Verture         Substrate         Part of substr		26/01/2025	52		Hydrocarbon	ALKYNE	ALKYNE : preparation, properties	Waves	Classifications of wave and wave speed	Introduction, Transverse & Longitudinal waves, Displacement relation in a progressive wave, The speed of a travelling wave.	and	Gibberellin	PLANT GROWTH REGULATORS : Gibberellins	CHEMICAL COORDINATION AND INTEGRATION	Parathyroid glands and its hormones and disorders	Parathyroid glands: Structure, location, hormone and mechanism of regulation of calcium hormostasis, disorders.
N22 TO Concerning out the state of the state		28/01/2025	53		Hydrocarbon	Benzene	(SUNDAY) REPULIC DAY Benzene (Preparation, chemical properties)	Waves	Superposition, Reflection & Interference of waves	The principle of superposition of waves, Reflection of waves, Interference,	Plant Growth and Development	Cytokinin	PLANT GROWTH REGULATORS :Cytokinin	CHEMICAL COORDINATION AND INTEGRATION	Endocrine glands- Adrenal , Pineal, Thymus and Pancreas and its hormones and disorders	Adrenal gland: Structure, location, hormones and their functions, disorders- Addison's disease, Pineal and its hormone, Thymus and its hormone. Pancreas-structure, location, hormone with their principal actions and directore investments of observe weithin the additional actions and
: summistic and antaeonistic effects.	W28	TO 02/02/2025	54		Hydrocarbon	Electrophilic substitution reaction of Benzene	Benzene (chemical properties), Electrophilic substitution reaction	Waves	Stationary Waves	Stationary Waves(Stretched Strings), Stationary Waves(Organ Pipes), Beats	Plant Growth and Development	Ethylene, abscisic acid	PLANT GROWTH REGULATORS : Ethylene, abscisic acid	CHEMICAL COORDINATION AND INTEGRATION	Mechanism of hormone action and role of hormones	Gondat; (Vary and testi-structure, location, hormones), hormones of heart, kidney and gastrointestinal tract. Mechanism of hormone action (protein and steroid hormone) role of hormones as messangers. Regulations ; synengistic and antagonistic effects.