



	XII_PASS NEET LIVE M							RO SCHEDULE						7001067		
S NO	Wee	WEEK	TEST CODE	Chanter Name	Class Title	Subtonic	Chanter Name	Class Title	Subtonic	Churcher Name	Class Title	Subtonic	Class Code	CharleyName	Caratela	Subtonic
5110	k No	DURATION	insi conc	chapter Hame	closs fille	300000	Chipter Hume	classifie	Juscopic	Copernane	Can mar	The Living World-Introduction What is living? Characteristics of living beings. Diversity in	Cluss cour	Company Andrew		Junopic
	1			Units and Measurments & Basic Mathematics	Units and Measurments	Units and measurment	Some basic concepts of chemistry	Mole concept & Formula represention of molecule	Some basic concepts of chemistry, Mole concept, Molar volume, Avagadro Law, Related Numerical Percentage composition, Emperical Formula and molecular formula	The Living World	Characteristics and basis of classification of living	the living world-introduction, what is inving; characteristics of inving beings, oversity in the living world, Nomenclature, Need for classification, Classification -Taxonomy,	LTN.Z.1.1	Animal Tissues	ANIMAL TISSUES -I	ANIMALTISSUES
		09/07/202							Concentration forms		wond	Systematics		\vdash		
1	W1 2	4		Units and Measurments &	Differentiation & Internation	Differentiation and its application	form have seen at the state	Concentration of solution & Interconversion	(Molarity, Molality, % W/W, % W/V, %V/V), Mole Fraction and PPM (calculation of	The Universities in the		The Living Model Taxonomic sategories, Biological concept of species	170 7 1 2	A street Town	AND AN OFFICE IN	ANIMAN TICCUTC
1	W1 2	14/07/202		Basic Mathematics	Diffrentiation & integration	Differentiation and its application	some basic concepts or chemistry	between different Concentration term	hardness)	The Living world	Taxonomic categories	The Living World-Taxonomic categories, Biological concept of species	LIN.2.1.2	Anital lissas	ANIMAL ISSUES-II	ANIMAL TISSUES
		4							Redox Reactions			Biological Classification-Introduction, Kingdom system of classification- two kingdom.				
	3			Units and Measurments & Basic Mathematics	Integration	Integration	Redox reaction	Redox Reactions & Balancing of redox	Oxidation, Reduction, Oxidation numbers, Balancing of redox reaction (Oxidation	Biological Classification	Kingdom system of classification	three kingdom, four kingdom, five kingdom, Six kingdom, Domains of life, Kingdom Moner	LTN.Z.2.1	Morphology	Morphology: of Cockroach	Morphology: Cockroach
		-							Number and Ion Electron method)			Characters of monera, Shape of bacteria, Bacterial Life process - Respiration, Nutrition				
				Units and Measurments &	Vernier caliper & Screw	and external diameter and depth of a vessel.		Equivalent concept,	Equivalent concept and calculation of equivalent weight of Acid, Base, Salt and Oxidizing			Biological Classification-Reproduction- Asexual, Sexual recombination, Economic		(
	4			Basic Mathematics	gauge	Screw gauge-its use to determine thicknesV	Kedox reaction	Normality and Titration	and Reducing Agent, Normality, Acid, base titration, Oxidation reduction titration (basic	availage a Classification	Kangsom - monera	Eubacteria – Cyanobacteria, Mycoplasm	LIN.2.2.2	worphology	Morphology.or Hog	Morphology: Frog
		16/07/202				diameter ordnin sheet/wire			idea oniy)							ANIMAL KINGDOM: Basis of classification Levels of organisation Symmetry
2	W2 5	to		Vectors	Introduction and Vector	Vector and its types, Addition and subtraction of	Atomic structure	Sub atomic particles, planck theory and	Atomic structure: Sub atomic particles, Photoelectric effect, black body radiation,	Biological Classification	Kingdom - protista	Biological Classification-Protista-General characters, Chrysophytes, Dinoflagellates,	LTN.Z.3.1	Animal Kingdom	Basis of classification	Body-plan, Protostomous, Deuterostomous, Coelom-its types, Open/closed
		21/07/202			ALLOUT	vectors		spectrum	Emission and absorption spectra, Line spectrum of hydrogen,			Euglenoids, Slime moulds, Protozoans-major groups with some salient features				Animalia based on common fundamental features
		1 *														ANIMAL KINGDOM: Broad classification of Kingdom Animalia based on common
	6			Vectors	Multiplication of vectors and its application	Resolution of vectors ,Dot Product & Cross Product	Atomic structure	Bohr's model and dual behaviour of matter ,	Atomic structure: Bohr's model, Formula of Radius, velocity, and energy, de Broglie equation and related numericals. Heisenbergs uncertainty principle	Biological Classification	Kingdom - Fungi	Biological Classification-Fungi-general characters, Characters of different classes of fungi - Phycomycetes, Ascomycetes, Basidiomycetes, Deuteromycetes	LTN.Z.3.2	Animal Kingdom	Porifera	fundamental features, Porifera: General characters, Body wall, Types of cells, Skeleton: Spicules and spongin fibres, Canal system-(General outline),
																Reproduction with examples
								and the Design and				Biological Classification-Virus-introduction, discovery, structural components, Structure of				Cnidaria: General characters, Body wall, Nematoblasts-Structures, Hydra-General
	7			Knematics	Terms related to Kinematics - I	Kinematics: Introduction, Position, Path length and displacement	Atomic structure	Hund's rule, Electronic	Aufhau Principle Pauli's exclusion principle and Hund's rule of maximum multiplicity	Biological Classification	Wruses , lichen and mycorrhiza	some viruses (TMV, bacteriophages) Diseases, Sub-viral agents - Viroids, Virusoids, Prions;	LTN.Z.3.3	Animal Kingdom	Cnidaria Cterophora and Platyhelminthes	characters, Polymorphism, Polyps, Medusa, Metagenesis, Ctenophora; General characters, Comb plates, examples, Platyhelminthes; General characters,
								Congestion				Lichens, Mycorrhiza				Symmetry, Parenchyma, Flame cells, Ladder like nervous part, Reproduction,
		23/07/202				Kinematics: Average velocity & average										Aschelminthes / Nematode: General characters, Renette cells, Reproduction with
3	W3 8	to		Enematics	Terms related to Kinematics - II	speed., Instantaneous velocity & speed,	Atomic structure	Quantum numbers, Wave machanical model of atom	Atomic structure: Quantum numbers, Wave machanical model of atom	Plant Kingdom	classification systems	Plant Kingdom-Introduction of plant kingdom, Classification systems- artificial, natural and phylogenetic. Branches of taxonomy	LTN.Z.3.4	Animal Kingdom	Aschelminthes and Annelida	examples, Life cycle of the Ascaris (outline), other nematodes-Ancylostoma, Wuchereria, Enterobius, etc. Annelida: General characters. Reproduction, Larval
		28/07/202				Acceleration.						F				form, Nereis–Heteronereis, Pheretima, Hirudinaria
		1				Kinematics: differential calculus application										Adherender Carnel abare ter of adherende Chilinear methodsten Torre of
	9			Knematics	Motion in Straight line in weights acceleration	motion, integeral calculus application for	Periodic table and properties	Periodic Law	Periodic properties: Law of triads, Newlands octaves, Mendeleevs periodic law and	Plant Kingdom	Algae	Plant Kingdom-Algae-general characters, Economic importance of algae, Characters of	LTN.Z.3.5	Animal Kingdom	Arthropoda and Mollusca	respiration, excretory structures, reproduction, Mollusca: General characters with
						variable acceleration in one dimensional			table, modern periodic law and table			unterent classes of algae- chorophyceae, Phaeophyceae, modophyceae				examples
	163	29/07/2024	LFTN-1	W2 (50%), W1 (50%)		motion, Graphs (Siope, area etc.)								<u> </u>		
					Motion in Straight line in	Kinematics: Kinematic equations for			Periodic properties: Nomenclature of elements with atomic number > 100, Electronic		Bryophytes and	Plant Kingdom-Bryophytes-general characters. Bryophyte classes, economic importance,				
	10	30/07/202		Enematics	uniform acceleration	uniformly accelerated motion, Practice problems on uniformly accelerated motion	Periodic table and properties	Periodic properties	configuration and classification of periodic table, s, p, d and f-block elements, Atomic radius & ionization enthaloy	Plant Kingdom	Gymnosperms	Gymnosperms – general characters, economic importance	LTN.Z.3.6	Animal Kingdom	Echinodermata	Echinodermata: General characters, Water ambulacral system,
		4				Vinematics Mation under gravity Delative			Periodic properties: Atomic radius & ionization enthalpy, Electron gain enthalpy,							
4	W4 11	to 04/08/202		Enematics	Motion under gravity & Relative motion in 1D	velocity one dimension	Periodic table and properties	Periodic properties trends	electronegativity, Periodicity of valence or oxidation state, Anomalous properties of	Morphology of Flowering Plants	Root -types and modifications	Morphology of Flowering Plants-Introduction, Root-types, function, regions, modification	LTN.Z.3.7	Animal Kingdom	Hemichordata	Hemichordata: General characters, stomochord, examples.
		4				Kinematics: Motion in a plane, Motion in a			Chemical bonding: Kossel-Lewis Approach to chemical bond, Octet rule, Ionic bond,							Chordates: General characters, 3 subphyla-Urochordata, Cephalochordata,
	12			Kinematics	Relative motion in 2D	plane with constant acceleration. Relative	Chemical Bonding and Molecular structures	Octet rule and types of Chemical bonding	lattice enthalpy, Hydration enthalpy, Covalent bond, coordinate covalent bond, bond	Morphology of Flowering Plants	Stem types and its modifications	orphology or Flowenng Plants-Introduction of stem, bud, function of stem, modification of stem		Animal Kingdom	phylum - Chordata and its sub phylum	Vertebrata. Urochordata-General characters with examples. Cephalochordates
						velocity in two dimensions.			length, bond enthalpy.			Marabalagy of Elowaring Plants, Leaf-introduction narts venation types (simple and				General characters with examples.
	13			Kinematics	Projectile motion -I	path of a projectile, Time of flight of	Chemical Bonding and Molecular structures	VBT and Hybridization	Chemical bonding: VBT, sigma and pi-bonds, Hybridization	Morphology of Flowering Plants	Leaf types and its modifications	compound leaf), Leaf-Phyllotaxy, Modifications, Inflorescence - racemose and cymose,	LTN.Z.3.9	Animal Kingdom	Vertebrata -Agnatha & Grathostomata: Cyclostomata	Vertebrata: Agnatha & Gnathostomata: Cyclostomata-General characters with examples Petromyzon, Myzine
		06/08/202				projectile						Flowers-terminology, symmetry Marchelegy of Flower for Plante Desition of flower (solution)		<u> </u>		Direct Control sharester Classes Negative Contribution
5	W5 14	to		Kinematics	Projectile motion -II & Kinematics of Circular	Horizontal range of projectile.Uniform	Chemical Bonding and Molecular	VSEPR theory, and	Chemical bonding: VSEPR theory, Dipole moment, Formal charge and Hydrogen	Marphalogy of Flowering	Rower and fruits and its	and corolla), aestivation, Androecium- adhesion, cohesion; Gynoecium, Placentation,	LTN.Z.3.10	Animal Kingdom	Pisces and Amphibia	Differences between cartilaginous & bony fishes, Scoliodon, Chimaera,
		11/08/202			Motion	circular motion.			bonding			Fruits-parts, types, edible parts		L		Exocoetus, Labeo, Amphibia: General characters and examples.
	15	4		Laws of Motion	Basic Introduction	Laws of Motion: Introduction, Aristotle's fallacy. The law of inertia. Newton's first law	Chemical Bonding and Molecular	Molecular orbital theory	Chemical Bonding : Molecular orbital theory, Energy lebel diagram of O2 N2, Bond	Marphalogy of Flowering	seed and flower families	Morphology of Flowering Plants-Structure of dicotyledonous and monocotyledonous seed	ITN 7 3 11	Animal Kingdom	Reptila and Aves	Reptilia: True land vertebrates, General characters with examples, Aves: General
						of motion	structures	and Bond Order	Order	Plants	1	Families- brassicaceae, fabaceae, solanaceae, liliaceae.				characters with examples
	-	12/08/2024	LFTN-2	W3 (40%), W4 (40%),	W1 TO W2 (20%)				Thermodynamics and Chemical Energetics:							
	16			Laws of Motion	Linear Momentum	Laws of Motion:Momentum, Conservation of momentum (Rocket Propulsion)	Thermodynamics and Chemical Energetics:	basic turms and parameter of	The System & surrounding, Extensive & Intensive properties, State and path Function,	Morphology of Flowering Plants	flower families-II	Morphology of Flowering Plants-Structure of dicotyledonous and monocotyledonous seed Families- brassicaceae fabaceae compositae graminae malvaceae	LTN.Z.3.12	Animal Kingdom	Mammala and its sub classes	Mammalia: General characters, Subclasses-Prototheria, Metatheria, Eutheria
		13/08/202				laws of Motion: Newton's 2nd law of			Thermodynamic process,, Isothermal Reversible and Irreversible process							CELL-THE LINIT OF LIFE-Introduction. What is a cell? Cell theory. An overview
6	W6 17	4 to		Laws of Motion	Newton's 2nd & 3rd law of	motion, Newton's third law of motion,	Thermodynamics and Chemical	First Law of thermodynamics and	Thermodynamics and Chemical Energetics: Internal energy Work Heat Volume expansion work First Law of thermodynamics	Biomolecules	Primary and secondary metabolites, and	Biomolecules-Primary and secondary metabolites, Carbohydrates, Monosaccharides,	ITN 7 4 1	The Cell Unit of Life	discovery of cell, prokaryotes	of cell , Prokaryotic cell-structure, Gram staining, Eukaryotic cell structure,
		18/08/202			motion and FBD	Equilibrium of a particle, Common forces in mechanics	Energetics:	Enthalpy	Enthalpy, Relation between Enthalpy and Internal energy, numericals		monosaccharides	Triose, Pentose, Hexose, Heptose, Derivatives of monosaccharides			and eukaryotes	Difference between prokaryotic and eukaryotic cell, difference between plant cell and animal cell, plasma membrane
		4					Description and Charlest		Thermodynamics and Chemical Energetics:		Carbohydrates-	Biomolecules-Oligocarcharides Eurotions of small carbohudrates Polycarcharides-				Callwall andomembrane sustem- andoniasmic raticulum, enini body, lurorome
	18			Laws of Motion	Friction	Laws of Motion:Friction	Energetics:	capacity	Heat capacity, Specific heat capacity, Molar heat capacity and constant pressure and volume. Relation between Co and Cy. Meseaurment of dLI and dH	Biomolecules	Oligosaccharides and Polysaccharides	Homopolysaccharides & Heteropolysaccharides, storage & structural polysaccharides	LTN.Z.4.2	The Cell Linit of Life	cell organelles -I	Vacuole; Mitochondria, Plastid
FESTIV	AL HOLIDA	19-08-2024							volume, relation between ep and ev, mesedament of do and en		RAKSHA BAI	NDHAN				
						Laur of Motion: Duppmics of Circular			Thermodynamics and Chemical Energetics: Enthalpy change, Standard Enthalpy of coaction. Enthalpy of combustion, formation, postcalization, Enthalpy of Bharo,			Biamelaculas Aminoacido Structuro tupos Dolas Non polas acidis basis poutral				Discourse Outscholatere Contractores and contributes (25) and Recalls Muslaur
	19			Laws of Motion	Dynamics of Circular motion.	motion.	Thermodynamics and Chemical Energetics:	Enthalpy and Hess's law,	transformation, Bond enthalpy, Enthalpy of automization, Enthalpy of Phase	Biomolecules	Structure and types Aminoacids	alcoholic aromatic, heterocyclic and functions of amino acids, Peptide bond formation.	LTN.Z.4.3	The Cell Unit of Life	cell organelles - I	Chromosomes, Microbodies.
		20/08/202							law,							
7	W7 20	to		Work Power and Energy	Work Energy Theorem	Work Power and Energy: Notions of work & kinetic energy. The work-energy theorem	Thermodynamics and Chemical	Principles invoved in	Principles invoved in Experiments: Enthaloy of Solution of CuSO4. Enthaloy of neutralization.	Biomolecules	Structure and types of	Biomolecules-Structure of protein-Primary, secondary, tertiary, quaternary and Properties of proteins. Types of proteins and their functions. Lipids: Structure and classification of	ITN 7.5.1	Cell Cycle and Cell	Cell cycle	CELL CYCLE: Introduction. Cell cycle-phases of cell cycle
		25/08/202				Work, Kinetic energy	Energetict:	Laperiments:			protein and spids	lipids, simple lipids, conjugated lipids, derived lipids, functions of lipids		DWISON		
	21			Work Power and Four-	Work done he form	Work Power and Energy: Work done by a variable force. The work energy theorem for	Thermodynamics and Chemical	Gibbs energy and Entergy	Thermodynamics and Chemical Energetics: Entropy Entropy change in different process. Gibbs energy Gibbs energy change and	Biomplecular	Nucleic acid-DNA and	Biomolecules-Nitrogenous bases, nucleosides, nucleotides, higher nucleotides, types of	ITN 7.5.2	Cell Cycle and Cell	mitosis and metrois	Mitosis-definition, karyokinesis, cytokinesis, Significance Meiosis-definition,
	1					variable force.	Energetics:	and the product of the second	equilibirum, numericals.		RNA	nucleotides, functions of nucleotides, Nucleic acid-DNA, RNA structure, types and function		uwision		meiosis & significance of meiosis.
FESTIVA		26-08-2024	1078-1	W1 & W2 (50%), W3 8	W4 (50%)					JANMASTHN						
						Work Power and Energy: The concept of			Chemical equilibrium: Basic ideal of reaction rate, law of mass action, equilibrium state,		Cassification and	Biomolecules-Enzymes: Importance, activation energy, chemical nature, active site, Classe		Breathing #		BREATHING & EXCHANGE OF GASES: Repiratory organs, Human Repiratory
	22			Work Power and Energy	Potential Energy	potential energy, Various forms of energy, The potential energy of a coving	Chemical Equilibrium		types of equilibrium. Qc, Equilibrium constant KC and numericals	Biomolecules	mechanism of action of enzyme	of enzymes Oxidoreductase, Transferase, Hydrolase, Lyase, Isomerase, Ligase, Enzymes: Properties of enzymes, Working of enzymes Lock 9, Key model, Judius, 51, house	LTN.Z.6.1	Exchange of Gases	Human Repiratory system	system: Respiratory passage, structure of larynx, lungs, pleurae, external & internal structure of lungs, alveoli.
		27/08/202				Work Power and Energy: The conservation						Pienelesules Enumers Easters affecting the answer at the model, induce ht theory				
		4		Work Power and Energy	Conservation of mechanical	of mechanical energy, Motion in a Vertical	Chemical Equilibrium		Chemical Equilibrium: Equilibrium constant Kp, relation between KC and Kp, Effect of	Biomolecules	Factors affecting the enzyme activity and	value. Product concentration, Temperature, pH: Enzyme inhibition-competitive. Non	LTN.Z.6.2	Breathing &	Mechanism of breathing ,Respiratory volumes and	Mechanism of breathing-Inspiration, expiration, thoracic & abdominal breathing,
ð	W8	to 01/09/202			and gr	Circle, The law of conservation of energy, Power			temperature on equilibrium constant Kc, relationb beween Kc and Gibbs energy		Enzyme inhibition	competitive, Allosteric enzymes, Isoenzymes and Proenzymes		Lininge of dates	capacities	Respiratory volumes and Respiratory capacities
		4				Work Power and Energy: Collisions - elastic			Chemical Equilibrium : Factor affecting equilibrium,			Anatomy of Flowering Diante Tissue meristematic tissue, charactery types chart an				
	24			Work Power and Energy	Collision	and inelastic collision, Collision in one	Chemical Equilibrium		(Le Chatelier principle, Effect of Change in pressuere, change in temperature, Catalyst)	Anatomy of Flowering Plants	meristematic tissue and simple permanent	root apex organisation, Primary permanent tissues i.e., parenchyma, collenchyma and	LTN.Z.6.3	Breathing & Exchange of Gases	Exchange of gases	Exchange of gases between alveoli & blood; exchange of gases between blood & tissue cells. Transport of oxygen. Bohr's effect: Transport of carbon dioxide.
						dimension. Collision in two dimensions.					11100	sclerenchyma w.r.t. nature, distribution, cell wall and cell structure and functions.				,
	25				Centre of mass, kinematics	ROTATION: Introduction, Centre of mass,			to the Ferrith Annual of Anial have (Ambanian and Amanda Income Income	Anatomy of Flowering	Complex permanent	Anatomy of Flowering Plants-Complex permanent tissue- Xylem - components of xylem	171764	Breathing &	Regulation of respiration and	Chloride shift (Hamburger's phenomenon), Haldane effect, Regulation of
	1	03/09/202		ROTATION:	of rotational motion	kinematics of rotational motion	ione equipnum		ionic equilionum: concept or Acid base (Armenius concept, Bronsted-Lowery, Lewis)	Plants	tissue- sylem	and their structures, primary and secondary xylem, primary xylem– protoxylem and metaxylem	LIN.2.0.4	Exchange of Gases	Respiratory disorders	Bronchitis, Asthma, Emphysema, Occupational respiratory disorder
9	W9	4 to			Torque and Angular	ROTATION: Introduction to torque and			Ionic Equilibrium: Ionic product of water theory, pH, pOH, Inonization of weak Acid and	Anatomy of Flowering	Complex permanent tissue- phicem and	Anatomy of Flowering Plants-Phloem- components, types of phloem (on the basis of		Body Fluid &		BODY FLUIDS & CIRCULATION: Fluid connective tissue-Blood & composition of
	26	08/09/202		ROTATION:	momentum	angular momentum, Equilibrium of rigid body	Ionic Equilibrium		Base. Ostwald's dilution law	Plants	epidermal and ground tissue system	position and origin), Tissue system - epidermal, ground tissue system,	L/N.Z.7.1	Circulation	body halds - blood and lymph .	factors, lymph
	27	4		ROTATION:	Mol, Parallel and	ROTATION: Moment of inertia and its	Ionic Equilibrium		Ionic Equilibrium: Inonization of weak Acid and Base. Ostwald's dilution law, Weak	Anatomy of Flowering	Vascular Tissue System and anatomy of root	Anatomy of Flowering Plants-Vascular Tissue System, Types of vascular bundles, Internal	LTN.Z.7.2	Body Fluid &	external & internal structure of	Circulatory pathways, Human circulatory system-external & internal structure of
FESTIM	AL HOLIDAY	07-09-2024			***pendicular axis Theorem	Theorems of perpendicular and parallel axis.			polyprotic acids	GANESH CHATU	stern and leaf	structures of root, Internal structure of stem and leaf,		-cuation	There	neart, Historogy of heart wall, working of heart
	-	09/09/2024	LFTN-3	W5 &W 6 (40%), W7 8	W8 (40%), W1 TO W	4 (20%)							_			
						ROTATION: rotational motion about a fixed			Ionic Fauilibrium-Buffer solution. Tune of Buffer solution, pH. Buffer experituand Buffer			Anatomy of Flowering Plants-Definition of secondary growth, types of tissues involved,				Cardiac curda Cardiac output Meast rounds, conducting system of heart FCC
	28	10/09/202		ROTATION:	asis	fixed axis, Angular momentum in case of	Ionic Equilibrium	capacity	range	Anatomy of Flowering Plants	dicot stem	Secondary growth in dicot stem : formation and activity of vascular cambium in stelar region, secondary structures in stelar region, annual rings, heartwood and convendent	LTN.Z.7.3	Circulation	Cardiac cycle, and output, ECG	Normal ECG & changes as indication of heart diseases
	-	4	_			rotation about a fixed axis.						Anatomy of Elevanian Diants Comption and a thirty of anti-				4
10	W10 29	to		ROTATION:	Conservation of angular	ROTATION: law of conservation of angular	Ionic Equilibrium	Salt and Salt hydrolysis	Ionic Equilibrium: Salt and Salt hydrolysis	Anatomy of Flowering	secondary growth in	Anatomy of Howering Plants-Formation and activity of cork cambium in extra stelar region, periderm, bark, lenticels, Secondary growth in dicot root - origin and activity of	LTN.Z.7.4	Body Fluid &	Double circulation and	Double circulation, heart beat, regulation of heart beat- Neural regulation,
		4			momentum	momentum, angular impulse				PLANES	dicot root	vascular cambium in stelar region and cork cambium from pericycle.		Creation	reguestion or nears deat	normonai regulation
	30			ROTATION:	Metre Scale	Principles invoved in Experiments:Metre Scale the mass of a given object by the principle of	lonic Equilibrium	KSP and theory of	Ionic Equilibrium: Solubility and Solubility product, theory of indicators	Photosynthesis in Higher	photosynthesis -earliar	Photosynthesis in Higher Plants-Introduction, Importance, What do we know?, Historical account, Where	LTN.Z.7.5	Body Fluid &	Blood Vessels and disorder of	Blood Vessels-Aorta, Arteries, Arterioles, Capillaries, Venules, Veins, Vena Cava, Lymphatic system, Disorders of circulatory system-Hypertension. Corporary artery
						moments		indicators		Plants	experiments	does photosynthesis take place?, Photosynthetic pigments	-	C= Cuation	Ca cutationy system	diseases, Angina, Heart failure
	31			GRAVITATION-	Kepler's laws & law of	GRAVITATION: Introduction, Kepler's laws, Universal law of Gravitation, Gravitational	Purification and characterisation of	analysis method and	Purification and characterisation of organic compound: Methods of pyrification and sepration of organic	Photosynthesis in Higher	Absorption spectrum	Photosynthesis in Higher Plants-Absorption spectrum and action spectrum. What is light spectrum?	LTN.Z.8.1	Excretory Product &	Mode of excretion and human	EXCRETORY PRODUCTS & THEIR ELIMINATION: Mode of excretion- Ammonotelism, Ureotelism, uricotelism (brief account). Different types of excretory structures in unious
	1				Gravitation	constant	organic compound	Determine the quantity	compounds	Plants	and action spectrum,			Ineir Elemination	excretory system	animals, Human excretory system-structure of kidney, ureter, urinary bladder

	11 W11	32 23	(09/20234 to :/09/2024	G	GRAVITATION:	Acceleration due to gravity Gravitational Potential 5	GRAVITATION: Acceleration due to gravity of the earth, Acceleration due to gravity below & above the surface of the earth.	Purification and characterisation of organic compound	analysis of elements in Organic compounds	Purification and characterisation of organic compound: Detection of determination of elements in organic compounds (C, H, N, X, S, P)	Photosynthesis in Higher Plants	light reaction	Photosynthesis in Higher Plants-Electron Transport System, Spiliting of water, Cyclic and non-cyclic photophosphorylation	LTN.Z.8.2	Excretory Product & Their Elemination	Structure of Nephron and its types	Nephron: Structure including glomerulus, Bowman's capsule, PCT, Loop of Henle & DCT; and its types i.e., cortical and juxtamedullary nephrons. Urine formation : Giomerular filtration-Structure of Malpighian body, Ultra filtration
		33	/09/2024	LFTN-4 W9 (40	GRAVITATION: 40%), W10 (40%)	Gravitational Potential Energy	energy, gravitational potential.	organic compound	Oraganic chemistry	Classification and IUPAC Nomenclature of organic compounds, Nomenclature of Aromatic compounds	Plants	and C3 cycle	Photosynthesis in Higher Plants Chemiosmotic theory, Dark reaction – C3	LTN.Z.8.3	Their Elemination	mechanism of Unine formation	mechanism, glomerular filtration rate, filteration fraction, autoregulation of glomerular filtration. Tubular reabsorption & secretion
										EXAM SCHEDULE MERGES WITH	H NC BATCH						
		34		6	GRAVITATION:	Escape velocity, Orbital Velocity and Satelite Motion	GRAVITATION: Escape speed, Motion of a satellite, orbital velocity, time period and energy of satellite.	Purification and characterisation of organic compound	Electronic displacement	Electronic displacement, Inductive effect, Mesomeric effect, Resonance, Resonating structure, their stability	Photosynthesis in Higher Plants	C4 cycle	Photosynthesis in Higher Plants-C4 cycle	LTN.Z.8.4	Excretory Product & Their Elemination	Countercurrent mechanism and Regulation of kidney function	Countercurrent mechanism, Regulation of kidney function: Osmoregulation, control by juxta glomerular apparatus, Renin-angiotensin aldosterone system (RAAS) Atrial Natriwetic factor. ADH and Disbetes liseindius
	12 W12	35 24	/09/2024	Mecha	chanical properties of matter	Stress & Strain	PROPERTIES OF SOLIDS: Introduction, Elastic behavior of solids, Stress & strain, Hooke's law, Stress-strain	Purification and characterisation of organic compound	Eelctromeric effect, Anomaticity and Hyperconjugation	Eelctromeric effect, Aromatic, Anti-aromatic, Non-aromatic compounds and Hyperconjugation	Photosynthesis in Higher Plants	Photorespiration and Factors affecting photosynthesis.	Photosynthesis in Higher Plants Comparison between C3 & C4-plants, Photorespiration, Factors affecting photosynthesis.	LTN.Z.8.5	Excretory Product & Their Elemination	urine -composition and Disoders of escretory system	Urine: 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 estificited in the discussion mechanism.
		36 25	/09/2024	Mecha	chanical properties of matter	Modulus of Elasticity	PROPERTIES OF SOLIDS: Young's modulus, bulk modulus, modulus of rigidity, Principles invoved in Experiments: Young's modulus of elasticity of the	Purification and characterisation of organic compound	Reaction intermediate and stability	Reaction intermediate carbocation, Carbanion, Free radical and their stability	Respiration in Plants	Giycolysis	Respiration in Plants-Introduction, Respiratory substrates, Do plant breath?, Glycolysis (mechanism)	LTN.Z.9.1	Locomotion & Movement	structure of skeletal muscle	and annual Romers a Romers and an annual sector. LOCOMOTION & MOVEMENT: Types of movements: Cillary, protoplasmic streaming. flagaliar, muscular: Types of muscles and their structures. Muscle contraction-structure of contractile proteins-actin, myosin, troponin and tropomyosin.
FI	ESTIVAL HO	JDAY 0	/09/2024	LFTN-5 (40%,	i, W12+W13) + (40	0%, W14 + W15) + (20	0 %, W1 to W11)				GANDHI JAYANTI (W	ednesday)					
		37		Mecha	chanical properties of matter	Pressure	FLUIDS: Introduction, Pressure, Pascal's Law, Archimedes Principle	Purification and characterisation of organic compound	Structural Isomerism	Isomerism: Structural Isomerism	Respiration in Plants	Aerobic respiration—link reaction	Respiration in Plants-Fermentation, Aerobic respiration-link reaction	LTN.Z.9.2	Locomotion & Movement	Mechanism of muscle contraction	Mechanism of muscle contraction-Sliding filament theory, role of calcium and regulatory proteins, power stroke, role of ATP, various stages in cross bridge formation & break down, for of our end and which murcle fibered.
	19 W19	38 01 06	/10/2024 to /10/2024	Mecha	chanical properties of matter	Continuity Equation and Bernoull's principle	FLUIDS: Streamline flow, Equation of continuity, Bernoulli's principle	Purification and characterisation of organic compound	Geometrical isomerism,	Geometrical isomerism, conformations in alkane and cycloalkane	Respiration in Plants	krebs cycle and electron transport system	Respiration in Plants-Krebs cycle, Electron transport system and oxidative phosphorylation	LTN.Z.9.3	Locomotion & Movement	Asial skeleton - Skull vertebral column and rib cage	Avial skeleton: Skull-cranial bones, facial bones, Hyoid, Ear ossicles malleus, incus, stapes, Vertebral column-cervical, thoracic, lumbar, sacral, coccyr wertebrae, Rils- wertebrostemal/True ribs, vertebrachondral/False ribs, Vertebral/Floating ribs, rib cage, sternum
		39		Mecha	chanical properties of matter	Toricell's theorem and Application of Bernoull's principle	FLUIDS: Toricelli's theorem and other Applications of Bernoulli's principle	Purification and characterisation of organic compound	Optical Isomerium	Optical Isomerism	Respiration in Plants	Respiratory balance sheet	Respiration in Plants-Respiratory balance sheet	LTN.Z.9.4	Locomotion & Movement	Appendicular skeleton	Appendicular skeleton: Pectoral girdle, bones of upper limb (Humerus, radius, ulna, carpals, metacarpals and phalanges), pelvic girdle, bones of lower limb (femur, patella, tibla, fibula, tarsis, metacarpals, phalanees).
FI	ESTIVAL HOI	JDAY 10 JDAY 11	/10/2024 /10/2024		1						(THURSDAY) ASH (FRIDAY) MAHAN	TAMI AVMI					
FI	ESTIVAL HO	JDAY 12	/10/2024	Mecha	chanical properties of	Managht	Manada	Notice the	Second and Average	Hydrocarbon : Preparation of ALKANE (Hydrogenation of alkene and alkyne, from alkyl halide, kolbe's	(SATURDAY) DUS	SHERA Amphibolic pathway and		1711 7.0 5	Locomotion &	types of Joints and disorder of	Joints-fibrous, cartilaginous and synovial (Ball and socket, hinge, pivot, gliding and saddle
	20 W20	- 08	/10/2024		matter	viscosity	Surface tension: Surface energy and surface tension,	riparduardan		electolysis, decarboxylation)	Perget and in 17 miles	R.D. Value	нериации и налезчирнови распиау, нериациу диоценс.	LIN.2.9.5	Movement	muscles	jointy, some autorotors or muscles a science system-wyachienta grams, musclear dystrophy, team, Arthritis, Ozeoporosis, Gout etc. NEURAL CONTROL & COORDINATION: Human neural system: Central and peripheral
		41 13	/10/2024	Mecha	chanical properties of matter	Surface tension	angle of contact, excess of pressure across a curved surface, application of surface tension - drops, bubbles, and capillary rise.	Hydrocarbon	Substution reaction of alkane	Hydrocarbon : Reactions of alkane: Halogenation	Plant Growth and Development	Growth rates	Plant Growth and Development: Growth, differentiation and development. Growth - characteristics, phases growth, growth curve, growth rates - arithmetic growth and geometric growth, Absolute growth rate and relative growth rate.	f LTN.Z.10.1	Neural Control & Coordination	nervous system and Nerve impulse, generation and its transmission	neural system, neuron as structural and functional unit of neural system, different types of neurons and their location. Nerve impulse, generation and its transmission-Besting membrane potential, spike potential, action potential, depolarization, repolarization, hvoerpolarization.
			10/2024	UIN-6 IVIO U			Principles invoved in Experiments:Surface tension of water by capillary rise and effect of										
	21 W21	42	/10/2024	Mecha	chanical properties of matter	Principles invoved in Experiment	detergents, Co-efficient of Viscosity of a given viscous liquid by measuring terminal velocity of a given spherical body THERMAL PROPERTIES OF MATTER: Introduction.	Hydrocarbon	chemical properties of alkane	Hydrocarbon : Reactions of alkane (wurtz reaction, isomerization, aromatization)	Plant Growth and Development	Condition for plant growth and development	Plant Growth and Development-Differentiation, Dedifferentiation and Redifferentiation, Definition with examples, Development - Definition, factors regulating it, plasticity	LTN.Z.10.2	Neural Control & Coordination	Types of Synapses	Synapses: Electrical and Chemical, synaptic transmission, Neurotransmitters; excitatory and inhibitory.
		43 20	/10/2024	Therm	mal properties of matter	Heat & Temperature	Temperature & Heat, measurement of temperature, Ideal gas equation & Absolute temperature, Thermal	Hydrocarbon	dehydrohalogenation reaction of alkyl halide	Hydrocarbon : Preparation of ALKENE (Dehydrohalogenation of alkyl halide)	Plant Growth and Development	Plant growth regulators : Auxins, Gibberellins	Plant Growth and Development-Growth hormones : Auxins, Gibberellins	LTN.Z.10.3	Neural Control & Coordination	Structure of Brain	Structure of strain: Meninges of Brain, Forebrain, cereorum, Thaiamus, hypothaiamus, limbic system and their functions, mid brain (corpora quadrigemina and crura cerebri), hind brain (cerebellum, pons, medulla) ventricles of brain and cerebrospinal fluid.
		44		Therm	mal properties of matter	Calorimetry	THERMAL PROPERTIES OF MATTER: Specific heat capacity, Calorimetry, Change of state	Hydrocarbon	dehydration of alcohol	Hydrocarbon : Preparation of ALKENE (From di halides, from dehydration of alcohol)	Plant Growth and Development	Plant growth regulators : Cytokinin Ethylene, abarisir acid	Plant Growth and Development-Cytokinin w.r.t. their discovery, nature, types, biosynthesis, transport, functions, Growth hormones - Ethylene, abscisic acid w.r.t. all above features	LTN.Z.10.4	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.
		45		Therm	mal properties of	Conduction &	THERMAL PROPERTIES OF MATTER: Heat transfer	Hydrocarbon	Dectrophilic addition	Chemical properties of alkenes (addition reaction)	Plant Growth and	Seed dormancy	Bast Growth and Development-Dormancy - cause of dormancy breaking of dormancy	ITN 7 11 1	Endocrine glands	Endocrine glands- hypothalamus and	Netex action: Netex arc Endocrine glands and hormones: Human endocrine system, hypothalamus-releasing and Inhibiting hormones, Pituitary gland: Anterior and posterior pituitary, its location &
	22 W22	46 23	/10/2024 to /10/2024	The	matter	Convection Basic Introduction & Thermodynamic	cooling) THERMODYNAMICS: Introduction, Thermodynamic state variables & equation of state, Thermodynamic encreases: Thermal enuilibrium Zeroth Jaw of	Hydrocarbon	Preparation of AUXYNE	ALKYNE preparation. properties	Plant Growth and Development	Seed germination	Plant Growth and Development-seed germination	LTN.Z.11.2	Endocrine glands and hormone	pituitary gland and its hormones and disorders Thyroid glands and its hormones and disorders	relationship with hypothalamus, its hormones, their principal actions and target organs. Disorders-Dwarfism, gigantism and acromegaly, diabetes inspidus. Thyroid: Structure, location, hormones and their functions. Disorders of thyroid gland- cretinism, movement, esothalmini colter.
		47	_			processes Internal energy and	thermodynamics. Heat THERMODYNAMICS: Internal energy and work, First	listeniter		Record Records and American American	Sexual Reproduction in	Deven and its and			Endocrine glands	Parathyroid glands and its	Parathyroid glands: Structure, location, hormone and mechanism of regulation of calcium
		TES 28	/10/2024	LPTN-7	ermodynamics	thermodynamics W20 (40%), W21 (4	law of thermodynamics 40%), W1 TO W19 (20%)	ripardandari	Automat.	Benzene (Preparation, Chemical properties)	Flowering Plants	Proven and response	sexual reproducion in novering mans-introducion, nover - A ascinating organ or angosperins.	111.2.11.5	and hormone	hormones and disorders	homeostasis, disorders.
FI	ESTIVAL HOI	LDAY 30	/10/2024								(WEDNESDAY) CHHC (THURSDAY) DI	VALI					
1	ESTIVAL HO	LDAY 31	/11/2024								(ERIDAY) COVARDU	NIROOIA					
FI	ESTIVAL HOI ESTIVAL HOI ESTIVAL HOI	LDAY 31 LDAY 01 LDAY 02	/11/2024 /11/2024				THERMOTYNAMICS Specific heat capacity Second				(FRIDAY) GOVARDHA (SATURDAY) BHA	ANPOOJA IDOOJ					
FI	ESTIVAL HOI ESTIVAL HOI ESTIVAL HOI 23 W23	LDAY 31 LDAY 01 LDAY 02 48 03	/11/2024 /11/2024 /10/2024 to /11/2024	The	nermodynamics	Second law of Thermodynamics	THERMODYNAMICS: Specific heat capacity. Second law of thermodynamics, Principles invoved in Experiments: Specific heat capacity of a given (I) solid and (II) liquid by method of mixtures KINETIC THEORY OF GARES Equation of state of a	Wydrocerbon	Electrophilic substitution reaction of benzene	Electrophil cudestuctor reaction (Nitration, halogenation, subphonation, allylation and acylation)	(FRIDAY) GOVARDH (SATURDAY) BHA Sexual Reproduction in Flowering Plants	Microsporogenesis.	Senual Reproduction in Plewering Plants - Stamon, Microsporangium, Microsporagenesis	LTN.Z.11.4	Endocrine glands and hormone	Endocrine glands- Adrenal , its harmones and disorders Endocrine alands-Disead	Adrenal gland: Structure, location, hormones and their functions, disorders-Addison's disease, Cashing syndrome, aldosteronism, adrenal virilism.
FI	ESTIVAL HOI ESTIVAL HOI ESTIVAL HOI 23 W23	LDAY 31 LDAY 01 LDAY 02 48 03 49	/11/2024 /11/2024 /10/2024 to /11/2024	The	termodynamics etic Theory of gas	Second law of Thermodynamics KTG - I	THERMODYNAMICS: Specific heat capacity. Second law of thermodynamics, Principles invested in the second second second second second second and 10000000 persided managements. NINEET CHICOY OF GASES Squatton of state of a perfect part, work down on compressing age, Kinetic theory of parts – assumptions, the concept of persons.	Hydroarbon Halaataner and Hala Annes	Electrophile substitution reaction of bencene Halcolizanes	Electrophile substitution reaction (Nitration, heliogenation, subjensation, allylation and anylation) Habathares Pegaration and physical properties	(FRIDAY) GOVARDH. (SATURDAY) BHA Sexual Reproduction in Flowering Plants Sexual Reproduction in Flowering Plants	ANPOOJA IDOOJ Microsporagenesis. Pre-fertilization - structures and events - starmen	Senual Reproduction in Flowering Plants - Stamon, Microsporangium, Microsporagenesis. Senual Reproduction in Flowering Plants - Pre-first/litation - structures and events - Stamon,	LTN.Z.11.4	Endocrine glands and hormone Endocrine glands and hormone	Endocrine glands- Adrenal , its hormones and disorders Endocrine glands-Pineal, Thymus and Pancness and its hormones and disorders	Advand gland Structure, location, hormones and their functione, disorders Addison's distant, Cauching spectrume, addisationess, advand viritika. Paged and its tomore and disorders hypoglycemia, disbetter metitika.
1	ESTIVAL HOI ESTIVAL HOI ESTIVAL HOI 23 W23 24 W24	LDAY 31 LDAY 01 LDAY 02 48 03 49 05 50 10	/11/2024 /11/2024 /10/2024 /10/2024 to /11/2024 i/11/2024 to /11/2024	Kineti	ermodynamics etic Theory of gas etic Theory of gas	Second law of Thermodynamics KTG - I KTG - II	THERMODYNAMICS Specific heat capacity, Second law of thermodynamics, Principles invoced in Departments, Specific heat capacity of a given [] black MINITE THEORY OF AddS Specific on class of a perfect piece work does no compressing a part. Benefic Harris TO, HORY OF AddS Specific on classified in the specific on the specific on the specific on memory and the specific on the specific on the specific on the specific on the specific on perfect piece of a specific on the specific on memory and the specific on the specific on the memory of the specific on the specific on the perfect on the specific heat capacities of pairs. Many Interest head data specific of pairs, Many	Hydrocarbox Holoskores and Holo Armes Holoskores and Field Armes	Electrophil substaten reaction of basene Nationkares Nationphil: substations reactions of hubbakares	Electrophilic substitution reaction (Nitration, hulogenation, subphonation, allylation and acylation) Hulosikanos Preparation and physical properties Nucleophilic substitutions reactions of hulosikanos (NI1, 512)	(FRIDAY) GOVARDH. (SATURDAY) BHA Sexual Reproduction in Flowering Plants Sexual Reproduction in Flowering Plants Sexual Reproduction in Flowering Plants	NPOOJA DOOJ Microsporagenesis. Pre-fertilization - structures and events - stames Structure of Pollen grain	Senual Reproduction in Plevering Plants - Stamon, Microsponangium, Microsponangenesis. Senual Reproduction in Plevering Plants - Pre-first Institutes and events - Stamon, Senual Reproduction in Plevering Plants-Poilen grain,	LTNZ.11.4 LTNZ.11.5 LTNZ.11.6	Endocrine glands and hormone Endocrine glands and hormone Endocrine glands and hormone	Endocrine glands-Adrenal, Its hormones and disorders Endocrine glands-Prival, Thyros and Pacemas and the hormones and disorders Mechanism of hormone action and role of hormones	Adversal gland: Structure, location, hormones and their functione, disorders-Addison's distance. Containing synchrones, advanced unit virtilism. Prevail and its hormone, Thymus and its hormones. Pancesas diructure, location, hormone the horp inceptor at tests disactive hypothysismes. Babetes molitism. Contain: (location) and location hypothysismes. Babetes molitism. Contain: (location) and location hypothysismes. Babetes molitism. Contain: (location) and location hypothysismes. Babetes molitism. Contain: (location) and locations. Annothesis for the structure of the advancement of the structure of the structure of the advancement of the structure of the advancement of the structure of the displantice effects.
FI	ESTIVAL HOI ESTIVAL HOI ESTIVAL HOI 23 W23 24 W24	LDAY 31 LDAY 01 LDAY 02 48 03 49 04 50 10 51 10	/11/2024 /11/2024 /10/2024 /11/2024 /11/2024 /11/2024 b0 /11/2024	Kineti	ermodynamics etic Theory of gas etic Theory of gas Oscillations	Second Iaw of Thermodynamics KTG - I KTG - II Kinematics of SHM	THERMODYNAMCE Specific hear capacity, Second Law of thermodynamic, Principles Innovael in Departments: Specific hear capacity of a given () and and () Elivary to method of material perfect pay, work done on compressing a pak. Toeler theory of pairs - sumptions, the concept of method in the sample of the sample of the sample method. The sample of the sample of the sample method is an advected by the sample of the sample free samble ended by the sample of pairs. Mean first sample of the sample of the sample of the sample matters, "may be introving model and uniform circular notary, Velocity and acceleration in single and the sample ended by the sample of the sample of the sample first sample of the sample of the sample of the sample of the sample first sample sample of the sample of the sample of the sample first sample sample of the sample of the sample of the sample of the first sample sample of the sample of the sample of the sample of the first sample sample of the sample of the sample of the sample of the sample first sample sample of the sample of the sample of the sample of the sample of the first sample sample of the sample of the first sample sample of the sample of the sample of the sample of the first sample sample of the sample of the sample of the sample of the first sample sample of the sample of the sample of the sample of the sample of the first sample sample of the	Hydrosobon Dobaken and Halo Armen Dobaken and Halo Armen Dobaken and Halo Armen	Electrophic schetzeter reaction of benome Halcolkows Rackophic schotzurions reactions of huisekares Dimetation reactions Umetations reactions versus schotzon	Electrophilic substitution reaction (Nitration, halogenation, sulphonation, allylation and aquistion) Histosikanes Preparation and physical properties Histosikanes (SIL, SIC) Histosikanes Elemination reactions in hubblication versus substitution	(FRIDAY) GOVARDH, (SATURDAY) BHA Sexual Reproduction in Flowering Plants Sexual Reproduction in Flowering Plants Secual Reproduction in Flowering Plants	NPOOIA IDOOI Mcrosporagemenis. Pro-fertilization- structures and evects- stamen Structure of Pollen grain Development of male genetophyse	Senual Reproduction in Flowering Plants - Stamen, Microsponangium, Microsponagenesis. Senual Reproduction in Flowering Plants - Pre-firstilization - structures and events - Stamen, Senual Reproduction in Flowering Plants-Polengian, Senual Reproduction in Flowering Plants-Development of male garantophyte	LTN.2.11.4 LTN.2.11.5 LTN.2.11.6 LTN.2.12.1	Endocrine glands and hormone Endocrine glands and hormone Endocrine glands and hormone Narroduction Male reproduction Maler system	Endestrine glonds-Antenal, its homeones and disorders Endestrine glonds-Pread, Thomas and Pancrass and its homeones and disorders Machanism of homeone action and rais of homeone action and rais of homeone action	Advenal gland: Structure, location, hormones and their functions, disorders, Addison's doesas, Cauthing syndromes, aldoetnessm, advenal viritions. Precela and its hormones, Thyrews and its hormones. Parceas a driver functions, location, hormone with their principal actions and disorder hypothypersas, advetter emiliation Gonzás: (Doary and testis structure, location, hormones of heart, kidney and gastomistania tract. Michanism of hormones action (prefins and steard hormono) rele gastomistania tract. Michanism of hormones actions (prefins and steard hormono) rele and taggeness expression of specific systems. Testes, epidelymis, Vasi deference, penic, Human Reproduction Male reproductive system: Testes, epidelymis, Vasi deference, penic, Prince Prince Prin
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No		67	17/12/2024		Current Electricity	Resistance, Resistivity and Principles involved in experiments	CURRENT ELECTRICITY: Limitations of Ohm's law, Temperature dependence of resistivity. Principles invoved in Experiments: The resistance of a given wire using Ohm's law	Bomolecules	Carbohydrates	Biomolecules: Carbohydrates	Principles of Inheritance & Variation	pedigree analysis, Mendelian disorder	Principles of Inheritance & Variation-Genetic dissorders-pedigree analysis, Mendelian disorder	LTN.Z.14.4	Evolution	evidences of evolution - Palaentological	Geological time scale, evidences of evolution-Palaentological, evolution of horse,
No	30	W30 68	to 22/12/2024		Current Electricity	Combination of Resistors	CURRENT ELECTRICITY: Combination of resistors, series and parallel, Kirchhoff's laws and its application	Biomolecules	: Amino acids, peptide, protein	Biomolecules: Amino acids, peptide, protein	Principles of Inheritance & Variation	Chromosomal disorder, Cytoplasmic inheritance	Principles of Inheritance & Variation-Chromosomal disorder, Cytoplasmic inheritance.	LTN.Z.14.5	Evolution	Morphological and anatomical evidences of evolution	Morphological and anatomical evidences of evolution-Homologous, analogous
Vert Vert <t< td=""><td></td><td>69</td><td></td><td></td><td>Current Electricity</td><td>Cell and its combination</td><td>CURRENT ELECTRICITY: Cells, emf, internal resistance, cells in series and in parallel, Electrical energy, power</td><td>Surface Chemistry</td><td>Principles invoved in Experiments</td><td>Principles invoved in Experiments: Preparation of Lyophilic and Lyophobic sols, Kinetic study of reaction of iodide ions with Hydrogen peroxide</td><td>Molecular Basis of Inheritance</td><td>Structure of DNA</td><td>Molecular Basis of Inheritance-Introduction, The DNA-structure of polynucleotide chain</td><td>LTN.Z.14.6</td><td>Evolution</td><td>Vestigeal organs and embryological evidences</td><td>Vestigeal organs, Evidences from connecting links, embryological evidences, biogeographical evidences</td></t<>		69			Current Electricity	Cell and its combination	CURRENT ELECTRICITY: Cells, emf, internal resistance, cells in series and in parallel, Electrical energy, power	Surface Chemistry	Principles invoved in Experiments	Principles invoved in Experiments: Preparation of Lyophilic and Lyophobic sols, Kinetic study of reaction of iodide ions with Hydrogen peroxide	Molecular Basis of Inheritance	Structure of DNA	Molecular Basis of Inheritance-Introduction, The DNA-structure of polynucleotide chain	LTN.Z.14.6	Evolution	Vestigeal organs and embryological evidences	Vestigeal organs, Evidences from connecting links, embryological evidences, biogeographical evidences
N <	1 ¹⁰ 22/12/2023 LCTN-4 W22 TO W25 (40%), W26 & W27 (40%), W26 & W27 (40%), W1 TO W22 (20%)																
N N	FESTIN	AL HOILDAY	25/12/2024		Current Electricity	Wheatstone bridge, Meter Bridge	CURRENT ELECTRICITY: Wheatstone bridge, Meter Bridge, Principles invoved in Experiments: The resistivity of the material of a given wire using a metre bridge	Chemical Kinetics	Rate of a chemical and its characteristics	Chemical Kinetics Rate of a chemical reaction. Factors influencing rate of reactions. Rate expression and rate constant, Order and molecularity of a reaction	Molecular Basis of Inheritance	DNA packaging in prokaryotes	Molecular Basis of Inheritance , Derivation of DNA structure, DNA packaging in prokaryotes	LTN Z.14.7	Evolution	Adaptive radiation, Lamarck's Darwin's and, Mutation theory	adaptive radiation, Lamarck's theory, Danwin's theory, Mutation theory
Image: state	31	W31 71	24/12/2024 to 29/12/2024		Magnetic effect of current	Motion of a charged particle	MAGNETIC EFFECTS OF CURRENT: Introduction, Magnetic force on a charged particle, Motion in a magnetic field, Motion in combined Electric and	Chemical Kinetics	order of reactions.	Chemical Kinetics Integrated rate equations for zero and first order reactions. Half life of a reaction. Pseudo first order reaction	Molecular Basis of Inheritance	DNA Packaging in eukaryotes and Transforming principle	Molecular Basis of Inheritance-DNA Packaging in eukaryotes, The search for genetic material, Transforming principle	LTN.Z.14.8	Evolution	Hardy Weinberg principle	Hardy Weinberg principle: Gene flow, gene migration
Image: Note of the section		72			Magnetic effect of current	Biot-savart's law & its application	Madnetic fields MAGNETIC EFFECTS OF CURRENT: Biot-savart's law, Magnetic field on the axis of a circular current loop	Chemical Kinetics	Collision theory and flect of Temparature and catalyst on reaction rate	Chemical Kinetics Effect of Temparature and catalyst on reaction rate, Arthenius equation, Collision theory of chemical reactions:	Molecular Basis of Inheritance	Evidence from experiments with bacteriophage	Molecular Basis of Inheritance-Evidence from experiments with bacteriophage, Properties of genetic materia	LTN.Z.14.9	Evolution	mutation, genetic recombination and natural selection	mutation, genetic recombination, natural selection
No No<	FESTIN	AL HOILDAY	01/01/2025								(WEDNESDAY) NE	W YEAR					
N N		73			Magnetic effect of	Ampere's law and	MAGNETIC EFFECTS OF CURRENT: Magnetic field due	Solutions	Henry-Iaw, Vapour	Solutions : Types of solutions, Expressing concentration of solutions. Solubility of a solid in a liquid and gas in a liquid	Molecular Basis of	RNA world and	Molecular Basis of Inheritance-RNA world, Replication of DNA - The experimental proof, The machinery and	LTN.Z.14.10	Evolution	Brief account of evolution	Speciation: Allopatric and sympatric, Brief account of evolution: Evolution of plant forms
N N		74	31/12/2024		Magnetic effect of	Solenoid and Toroid	MAGNETIC EFFECTS OF CURRENT: The solenoid and the toroid ,Force between two parallel currents, the	Solutions	Ideal and non-ideal solutions	(Henry-Jaw). Vacour pressure and Racult's Jaw for non-voltile solute Racult's Jaw for binary solutions. Ideal and non-ideal solutions, Elevation of boiling point,	Molecular Basis of	Transcription -	encymes. Molecular Basis of Inheritance-Transcription - Transcription unit, Types of RNAs	LTN.Z.14.11	Evolution	evolutionary history of vertebrates	evolutionary history of vertebrates through geological period, Human evolution
Norm Norm <th< td=""><td>32</td><td>w32 75</td><td>to 05/01/2025</td><td></td><td>Magnetic effect of current</td><td>Torque on a current loop, Magnetic Dipole & Galvanometer</td><td>Ampere Ampere Am</td><td>Solutions</td><td>colligative properties and van't Hoff factor</td><td>Depression of freezing point, Osmosis and osmotic pressure, reverse osmosis, Abnormal molar masses and van't Hoff factor</td><td>Molecular Basis of Interitance</td><td>Process of Transcription in prokaryotes and Eukaryotes</td><td>Molecular Basis of Inheritance-Process of Transcription in prokaryotes and Eukaryotes</td><td>LTN.Z.15.1</td><td>Human health & disease</td><td>Various types of diseases in humans</td><td>Human health & disease -Various types of diseases in humans-bacterial, viral diseases etc.</td></th<>	32	w32 75	to 05/01/2025		Magnetic effect of current	Torque on a current loop, Magnetic Dipole & Galvanometer	Ampere Am	Solutions	colligative properties and van't Hoff factor	Depression of freezing point, Osmosis and osmotic pressure, reverse osmosis, Abnormal molar masses and van't Hoff factor	Molecular Basis of Interitance	Process of Transcription in prokaryotes and Eukaryotes	Molecular Basis of Inheritance-Process of Transcription in prokaryotes and Eukaryotes	LTN.Z.15.1	Human health & disease	Various types of diseases in humans	Human health & disease -Various types of diseases in humans-bacterial, viral diseases etc.
Normal A	_	76	06/01/2025	LFTN-10	W28 & W29 (40%), W Magnetism and matter	30 & W31 (40%), W1 Magnetism and	TO W27 (20%) MAGNETISM AND MATTER: Introduction, The bar magnet, Magnetism and Gauss's Law, oscillation of	Electrochemistry	Kohirausch's law	Electrochemistry	Molecular Basis of	Genetic code - Salient	Molecular Basis of Inheritance-Genetic code - Salient features	LTN.Z.15.2	Human health &	Fungal diseases	Fungal: Ringworms, Helminthic: ascariasis, elephantiasis
I I	33	W33 77	07/01/2025 to		Magnetism and matter	Matter - I Magnetism and	bar magnet in uniform magnetic field MAGNETISM AND MATTER: Magnetization and magnetic intensity, Magnetic properties of	Electrochemistry	measurement of cell potential, and Nernst	Kommutts' staw, question based Lonductance and conductometric thradons Electrochemistry Electrochemistry measurement of cell potential, Vernit equation, questions,	Molecular Basis of	t-RNA - The adapter molecule, and	Molecular Basis of Inheritance-t-RNA - The adapter molecule, Translation.	LTN.Z.15.3	Human health &	Protocoan diseases	Protozoan: Life cycle of Plasmodium vivax and Entamoeba histolytica
NUME Image: Note of the section of the sectin of the section of the sectin of the section of the sec		78	12/01/2025		Magnatic Induction	Faraday's law, Self and	materials Permanent magnets and electromagnets ELECTROMAGNETIC INDUCTION:Faraday's law. Induced emf and current, Eddy currents, Self and	Electrochemistry	EMF and thermodynmics of cell reaction	Electrochemistry Application of	Molecular Basis of	Regulation of gene expression	Molecular Basis of Inheritance-Regulation of gene expression, Operon concept	LTN.Z.15.4	Human health &	Types of immunity	Types of Immunity-Innate and acquired, active & passive Immunity
Normal Property in the	FESTIV	AL HOILDAY	15/01/2025			matan maatime	mutual inductance.			Liver, Equinarian consume, thermodynmics of can reaction	PONGAL						
N N		79			Magaztic Induction	Least's Law	ELECTROMAGNETIC INDUCTION: Lenz's Law, Self and	Electrochemistry	Electrolysis , laws of	Electrochemistry Electrolysis	Molecular Basis of	Human senome Project	Molecular Basis of Inheritance-Genome and Human genome Project - Goals, Methodologies, Salient features	1TN 7 15 5	Human health &	humoral and Cell Mediated	humoral mediated immunity. Cell Mediated immunity userination and immunication
N N		-			magnatic modeloon	L-R circuit 8. AC	mutual Inductance. ELECTROMAGNETIC INDUCTION: Inductance: Self		electrolysis and fuel cell	and laws of electrolysis, Batteries : Primary and secondary batteries fuel cells.	Inheritance		Applications and future challenges		disease	Immunisation	Allenier sub-immunity immune outer of the body immediate research and
II	34	W34 80	to 19/01/2025		Magnatic Induction	generator	Inductance, L-R circuit, Mutual Inductance, Inductance: , AC Generator. ALTERNATING CURRENT: Introduction, AC voltage	P-block	Boron Family	P-Block (13 group)	Inheritance	DNA fingerprinting	Molecular Basis of Inheritance- DNA fingerprinting, protein bio-synthesis	LTN.Z.15.6	disease	secondary	secondary
1 1		81	20/04/2005		AC	AC Voltage and Current	applied to a resistor, Representation of AC current and voltage by rotating vectors -phasors, AC voltage applied to an inductor.	P-block	Carbon Family	P-Block (14 group)	Biotechnology-Principles and Processes	Tools of recombinant DNA technology	Biotechnology-Principles and Processes-Principles, Tools of recombinant DNA technology	LTN.Z.15.7	Human health & disease	Dengue, Chikungunya, Tobacco abuse	Dengue, Chikungunya, Tobacco abuse
1/2 1/2 <td rowspan="2">35</td> <td>82</td> <td>20/01/2023</td> <td>018-11</td> <td>AC</td> <td>AC voltage applied to a capacitor and LCR circuit</td> <td>ALTERNATING CURRENT: AC voltage applied to a capacitor, AC voltage applied to a series LCR circuit,</td> <td>P-block</td> <td>nitrogen Family</td> <td>P-Block (15 group)</td> <td>Biotechnology-Principles and Processes</td> <td>Separation and isolation of DNA fragments and cloning vectors</td> <td>Biotechnology-Principles and Processes Separation and Isolation of DNA fragments, Cloning vectors and competent host</td> <td>LTN.Z.15.8</td> <td>Human health & disease</td> <td>AIDS</td> <td>AIDS-Causes, detection, symptoms and prevention, Cancer-Causes, detection, diagnosis and treatment</td>	35	82	20/01/2023	018-11	AC	AC voltage applied to a capacitor and LCR circuit	ALTERNATING CURRENT: AC voltage applied to a capacitor, AC voltage applied to a series LCR circuit,	P-block	nitrogen Family	P-Block (15 group)	Biotechnology-Principles and Processes	Separation and isolation of DNA fragments and cloning vectors	Biotechnology-Principles and Processes Separation and Isolation of DNA fragments, Cloning vectors and competent host	LTN.Z.15.8	Human health & disease	AIDS	AIDS-Causes, detection, symptoms and prevention, Cancer-Causes, detection, diagnosis and treatment
V V		W35 83	21/01/2025		AC	Power in AC circuit & Transformers	ALTERNATING CURRENT: Power in AC circuit, The power factor, transformers.	P-block	ovygen Family	P-Block (16 group)	Biotechnology-Principles and Processes	Processes of recombinant DNA technology	Biotechnology-Principles and Processes-Processes of recombinant DNA technology	LTN.Z.15.9	Human health & disease	Drugs and alcohol abuse-	Drugs and alcohol abuse-Opioids, Cannabinoids, Sedatives and tranquilisers, Hallucinogens, Stimulants, Tobacco adiction.
			26/01/2025		EM Waves	EM Waves	ELECTROMAGNETIC WAVES: splacement current. Electromagnetic waves and their characteristics, Transverse nature of electromagnetic waves, Electromagnetic spectrum (radio waves, microwaves, infrared, visibre, ultraviolet. X-rays. Gamma rays),	P-block	Principles Related to Practical Chemistry	Principles invoved in Experiments: Kinetic study of reaction of lodide ions with Hydrogen peroxide, Preparation of Preparation of Mohr's ailt, Potsah Aum	Biotechnology and its Applications	Biotechnological applications in agriculture	Biotechnology and its Applications Biotechnological applications in agriculture-Bi cotton	LTN.Z.15.10	Human health & dhease	Adolescence, addiction & dependency	Adolescence, addiction & dependence, effects of drugs & alcohol abuse, prevention & control
k k	FESTIN	AL HOILDAY	26/01/2025				Applications of e.m. waves				(SUNDAY) REPUL	IC DAY					
No No<		85			Ray Optics	Introduction, Reflection of light	RAY OPTICS: Introduction, Reflection of light, spherical mirrors	P-block	halogen Family and noble gas	p-Block elements GP-17 & 18	Biotechnology and its Applications	Biotechnological applications in medicine	Biotechnology and its Applications-Pest resistant plants, Biotechnological applications in medicine-Genetically engineered insulin, vaccine production	LTN.Z.16.1	Microbes in Human Welfar	Microbes in household products, industrial products, and sewage treatment	Microbes in Human Welfare Introduction, Microbes in household products, Industrial products, Microbes in sewage treatment
Image: Properties of the second sec	36	W36 86	28/01/2025 to 02/02/2025		Ray Optics	Reflection of light in spherical surfaces	RAY OPTICS: Refraction, Total internal reflection, The focal lengh of Convex and Concave mirror.	d & f-block elements	General physical properties of d-block elements	d- block elements General properties of d-block elements: electronic configuration, size, lanthanide contration	Biotechnology and its Applications	Gene Therapy and Molecular Diagnosis	Biotechnology and its Applications-Gene Therapy, Molecular Diagnosis	LTN.Z.16.2	Microbes in Human Welfar	Microbes in Biogas production	Microbes in Biogas production
		87			Ray Optics	Refraction of light	RAY OPTICS: Refraction at spherical surface, Refraction through lenses, Principles invoved in Experiments: The focal length of Convex lens, using the parallax method	d & f-block elements	General chemical properties of d-block elements	d-block elements d-block elements: Oxidation state, Reducing nature, colour, oxides	Elotechnology and its Applications	Transgenic Animals ,Biopiracy and patents	Biotechnology and Its Applications-Transgenic Animals, Ethical Issues, Biopiracy and patents	LTN.Z.16.3	Microbes in Human Welfar	Biocontrol agents, Biofertilizers.	Biocontrol agents, Biofertilizers.
	_		03/02/2025	LCTN-5	W28 TO W31 (40%), V	V32 & W33 (40%), W Introduction, Huygens	1 TO W27 (20%) S WAVE OPTICS: Introduction, Huygens Principle,		General physical and		onsatives and environment	Population interactions:-			Biodivenity &		Biodiversity & conservation introduction. Levels of biodiversity. How many species are
No No<			04/02/2025		Wave Optics	Principle and its application	Refraction and Reflection of plane waves using Huygens principle	d & f-block elements	chemical properties of KMnO4	d- block elements Preparation and properties and uses of KMnO4	Population interactions	mutualism, competition, predation	organisms and environment Population interactions:-mutualism, competition, predation	LTN.2.17.1	conservation	Levels of blodiversity	there on earth and how many in India?
I No No </td <td>37</td> <td>W37 89</td> <td>to 09/02/2025</td> <td></td> <td>Wave Optics</td> <td>The Doppler's effect , YDSE</td> <td>incoherent addition of waves, Interference of light waves, Young's double slit experiment</td> <td>d & f-block elements</td> <td>General physical and chemical properties of #2Cr2D7</td> <td>d-block elements Preparation and properties and uses of K2Cr2O7</td> <td>organisms and environment Population interactions</td> <td>Population interactions: parasitism, Population attributes-growth</td> <td>organisms and environment Population interactions: parasitism, Population attributes-growth.</td> <td>LTN.Z.17.2</td> <td>Biodiversity & conservation</td> <td>Patterns of biodiversity</td> <td>Biodiversity & conservation -Patterns of biodiversity, Importance of biodiversity to the ecosystem.</td>	37	W37 89	to 09/02/2025		Wave Optics	The Doppler's effect , YDSE	incoherent addition of waves, Interference of light waves, Young's double slit experiment	d & f-block elements	General physical and chemical properties of #2Cr2D7	d-block elements Preparation and properties and uses of K2Cr2O7	organisms and environment Population interactions	Population interactions: parasitism, Population attributes-growth	organisms and environment Population interactions: parasitism, Population attributes-growth.	LTN.Z.17.2	Biodiversity & conservation	Patterns of biodiversity	Biodiversity & conservation -Patterns of biodiversity, Importance of biodiversity to the ecosystem.
Image: Properties of the second sec		90			Wave Optics	Diffraction, Polarization	WAVE OPTICS: Diffraction, Polarization, Principles invoved in Experiments: The plot of the angle of deviation vs angle of incidence for a triangular prism.	d & f-block elements	General physical and chemical properties of f- block elements	f-block elements: genral charecters, electronic configuration, size, oxidation number etc	organisms and environment Population interactions	birth rate and death rate, age distribution	organisms and environment Population interactions: birth rate and death rate, age distribution	LTN.Z.17.3	Biodiversity & conservation	Importance of biodiversity	Importance of biodiversity to the ecosystem. Loss of biodiversity and its conservation.
No. 10 No. 20 No. 20<	38	91			Dual Nature of matter	Photo-electric Effect	DUAL NATURE OF MATTER AND RADIATION: Dual nature of radiation. Photoelectric effect. Hertz and Lenard's observations; Einstein's obtoelectric equation	Coordination compounds	Coordination Compounds and , Werner's theory of coordination compounds	Coordination Compounds: characters of complex compounds, types of ligand, Werner's theory of coordination compounds Coordination Compounds VBT	Ecosystem	Ecosystem: Patterns, components; productivity and decomposition	Ecosystem: Patterns, components; productivity and decomposition:	LTN.Z.18.1	Morphology	Morphology of Cockroach	Morphology: Cockroach: Habitat, External features, exoskeleton, Head- mouthparts, thorax-thoracic appendages, Abdomen
I I		W38 92	11/02/2025 to 16/02/2025		Dual Nature of matter	Wave - Particle Duality	DUAL NATURE OF MATTER AND RADIATION: particle nature oflight. Matter woves-wave nature of particle, de Broglie relation	Coordination compounds	CFT of complex compounds including colour of different complexes	CFT of complex compounds including colour of different complexes	Ecosystem	Energy flow: Pyramids of number, biomass. Energy	Ecosystem: Energy flow: Pyramids of number, biomass. energy	LTN.Z.18.2	Morphology	Anatomy of Cockroach -I	Cockroach: Digestive system, Respiratory system and mechanism respiration, Circulating system: Heart, blood sinuses and circulation
I V		93			Atoms and Nuclei	Atomic Models	ATOMS: Alpha-particle scattering experiment; Rutherford's model of atom; Bohr model, energy levels, hydrogen spectrum.	Coordination compounds	Isomerium in complex compound & Application of coordination compounds	Coordination Compounds Isomerism in complex compound, Sigma Bonding in metal carbonyls & organometallics, Stability of coordination compounds, Importance & Application of coordination compounds	The Living World		The Living World	LTN.Z.18.3	Morphology	Anatomy of Cockroach -II	Cockroach: Excretory System, Nervous system, Sense organs of cockroach, Reproductive system of Cockroach-male & female system, fertilization, Development, Moulting
k k		TES	17/02/2025	LFTN-12	W34 & W35 (40%), W	36 & W37 (40%), W1	TO W33 (20%)			1							
y y		94			Atoms and Nuclei	Atomic Nuclei	NUCLIE: Composition and size of nucleus, atomic masses, Mass-energy relation, mass defect; binding energy per nucleoa and its variation with mass number, nuclear fission, and fusion.	Qualitative analysis	Systematic Analysis of Anions	Qualitative analysis: Test of anion	Biomolecule		Biomolecule Revision	LTN.Z.18.4	Morphology	Morphology and Anatomy of frog -I	Frog : Morphology, Anatomy, Digestive System, Respiratory System, Circulatory System
5 Semiconductor: Monifoldia: Control Lington Object, UD, Societ, Semiconductor: Monifoldia: Control Lington Object, UD, Societ, Semicond, Augustante, Semicond, Augustante, Semicond, Augustante, Semicond, Augustante, Semicond, Augustante, Semicond, Semicond	39	_{W39} 95	18/02/2025 to 23/02/2025		Semiconductors	Semiconductor Diodes	Semiconductors: semiconductor diode: I-V dharacteristics in forward and reverse bia; diode sa a rectifier; I-V characteristic of ED. the photodiode, solar cell, and Zener diode; Zener diode as a voltage regulator, characteristic curves of a p-niction diode inforward and reverse bias. characteristic curves of a Zener diode and finding reverse break down voltage.	Qualitative analysis	Systematic Analysis of cation	Qualitative analysis Text of cations,	Biomolecule		Biomolecule Revision	LTN Z.18.5	Marphology	Anatomy of frog -II	Frag : Excretory System, Nervous System, Reproductive System, Economic Importance.
		96			Semiconductors	Logic Gates	Semiconductors: Identification of Diode, LED,. Resistor. A capacitor from a mixed collection of such items, Logic gates (OR. AND. NOT. NAND and NOR).	Qualitative analysis	Systematic Analysis of cation	Qualitative analysis: Test of cations,	Biomolecule		Biomolecule Revision	LTN.Z.19.1	Animal Kingdom	ANIMAL KINGDOM Revision	ANIMAL KINGDOM Revision