

S.N.	DATE	DAY	SYLLABUS
1	08/01/2025	WEDNESDAY	TEST-1
2	10/01/2025	FRIDAY	TEST-2
3	15/01/2025	WEDNESDAY	TEST-3
4	17/01/2025	FRIDAY	TEST-4
5	22/01/2025	WEDNESDAY	TEST-5
6	24/01/2025	FRIDAY	TEST-6
7	29/01/2025	WEDNESDAY	TEST-7
8	31/01/2025	FRIDAY	TEST-8

	PHYSICS	CHEMISTRY	BIOLOGY
SYLLABUS TEST-1, 2	Physics And Measurement, Kinematics, Laws Of Motion, Work, Energy, And Power, Center Of Mass And Collision, Circular Motion, Rotational Motion, Experimental Skills, Vernier Calipers-Its Use To Measure The Internal And External Diameter And Depth Of A Vessel., Screw Gauge-Its Use To Determine Thickness/ Diameter Of Thin Sheet/Wire., Simple Pendulum-Dissipation Of Energy By Plotting A Graph Between The Square Of Amplitude And Time, Metre Scale - The Mass Of A Given Object By The Principle Of Moments.	Some Basic Concepts of Chemistry, Redox reactions, Atomic Structure, Classification of Elements and Periodicity in Properties, Chemical Bonding & Molecular Structure, Principles Related to Practical Chemistry :-The chemistry involved in the titrimetric exercises-Acids, Bases and the use of indicators, oxalic acid vs $KMnO_4$, Mohr's salt vs $KMnO_4$.	The Living World, Biological Classification, Plant Kingdom, Morphology Of Flowering Plants, Anatomy Of Flowering Plants, Structural Organisation In Animals (Animal Tissue), Animal Kingdom, Cockroach, Frog, Neural Control And Co-ordination (Nervous System), Chemical Co-ordination And Integration (Endocrine System),
SYLLABUS TEST-3, 4	Gravitation, Properties Of Solids And Liquids, Thermodynamics, Kinetic Theory Of Gases, Oscillations And Waves, Experimental Skills, Young'S Modulus Of Elasticity Of The Material Of A Metallic Wire., Surf Ace Tension Of Water By Capillary Rise And Effect Of Detergents., Co-Efficient Of Viscosity Of A Given Viscous Liquid By Measuring Terminal Velocity Of A Given Spherical Body, Speed Of Sound In Air At Room Temperature Using A Resonance Tube, Specific Heat Capacity Of A Given (I) Solid And (II) Liquid By Method Pf Mixtures.	Equilibrium, Chemical Thermodynamics, Some Basic Principles of Organic Chemistry, Hydrocarbons, Purification and Characterisation of Organic Compounds, Principles Related to Practical Chemistry :-1. Enthalpy of solution of $CuSO_4$. 2. Enthalpy of neutralization of strong acid and strong base.	Cell : The Unit Of Life, Cell Cycle And Cell Division, Photosynthesis in Higher Plants, Plant Growth and Development, Respiration in Plants, Biomolecules, Enzyme, Excretory Products And Their Elimination (Excretory System), Breathing And Exchange Of Gases (Respiratory System), Body Fluids And Circulation (Circulatory System), Locomotion And Movement (Muscles, Skeletal System)
SYLLABUS TEST-5, 6	Electrostatics & Capacitor, Current Electricity, Magnetic Effects Of Current And Magnetism, Electromagnetic Induction And Alternating Currents, Electromagnetic Waves, Experimental Skills, The Resistivity Of The Material Of A Given Wire Using A Metre Bridge., The Resistance Of A Given Wire Using Ohm'S Law. Resistance And Figure Of Merit Of A Galvanometer By Half Deflection Method.	Chemical Kinetics, Solutions, p-block elements, d & f-block elements, Coordination Compounds, Principles Related to Practical Chemistry :-1. The chemistry involved in the preparation of Inorganic compound; Mohr's salt, potash alum. 2. Chemical principles involved in the qualitative salt analysis. 3. Cation - Pb^{2+} , Cu^{+2} , Al^{3+} , Fe^{3+} , Zn^{+2} , Ni^{2+} , Ca^{2+} , Ba^{2+} , Mg^{2+} , NH_4^{+4} . Anions - CO_3^{2-} , S^{2-} , SO_4^{2-} , NO_2^- , Cl^- , Br^- , I^- (Insoluble Salt Excluded) 5. Chemical principles involved in the following experiments. a) Preparation of lyophilic and lyophobic sols. b) Kinetic study of the reaction of iodide ions with hydrogen Peroxide at room temperature.	Sexual Reproduction in Flowering Plants, Organisms and Populations, Ecosystem, Biodiversity and Conservation, Demography, Human Reproduction, Reproductive Health, Origin And Evolution
SYLLABUS TEST-7, 8	Optics, Dual Nature Of Matter And Radiation, Atoms And Nuclei, Electronic Devices, Experimental Skills, The Focal Length Of: (I) Convex Mirror (II) Concave Mirror (III) Convex Lens, Using The Parallax Method. The Plot Of The Angle Of Deviation Vs Angle Of Incidence For A Triangular Prism. Refractive Index Of A Glass Slab Using A Travelling Microscope. Characteristic Curves Of A P-N Junction Diode In Forward And Reverse Bias. Characteristic Curves Of A Zener Diode And Finding Reverse Break Down Voltage. Identification Of Diode. Led., Resistor. A Capacitor From A Mixed Collection Of Such Items.	Electrochemistry, Organic Compounds Containing Halogens, Organic Compounds Containing Oxygen, Organic Compounds Containing Nitrogen, Biomolecules, Principles Related to Practical Chemistry :-1. Detection of extra elements (Nitrogen, Sulphur, halogens) in organic compounds. 2. Detection of the hydroxyl (alcoholic and phenolic), carbonyl (aldehyde and ketones), carboxyl and amino functional groups in organic compounds. 3. The chemistry involved in the preparation of Acetanilide, p-nitro acetanilide, aniline yellow and iodoform.	Principles Of Inheritance And Variation, Molecular Basis Of Inheritance, Microbes In Human Welfare, Biotechnology : Principles And Processes, Biotechnology And Its Applications, Biology In Human Welfare : Human Health and Disease.

S.N.	DATE	DAY	SYLLABUS
1	04/02/2025	TUESDAY	Full Syllabus
2	07/02/2025	FRIDAY	Full Syllabus
3	11/02/2025	TUESDAY	Full Syllabus
4	14/02/2025	FRIDAY	Full Syllabus
5	18/02/2025	TUESDAY	Full Syllabus
6	21/02/2025	FRIDAY	Full Syllabus
7	25/02/2025	TUESDAY	Full Syllabus
8	28/02/2025	FRIDAY	Full Syllabus
9	04/03/2025	TUESDAY	Full Syllabus
10	07/03/2025	FRIDAY	Full Syllabus
11	11/03/2025	TUESDAY	Full Syllabus
12	14/03/2025	FRIDAY	Full Syllabus
13	18/03/2025	TUESDAY	Full Syllabus
14	21/03/2025	FRIDAY	Full Syllabus
15	25/03/2025	TUESDAY	Full Syllabus
16	28/03/2025	FRIDAY	Full Syllabus
17	01/04/2025	TUESDAY	Full Syllabus
18	04/04/2025	FRIDAY	Full Syllabus
19	08/04/2025	TUESDAY	Full Syllabus
20	11/04/2025	FRIDAY	Full Syllabus
21	15/04/2025	TUESDAY	Full Syllabus
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25	29/04/2025	TUESDAY	Full Syllabus