

Corporate Office: Aakash Tower, 8, Pusa Road, New Delhi-110005

	RANKER PACKAGE for JEE (MAIN & ADVANCED) - XII STUDYING CARRY FORWARD					
	ONLINE TEST SCHEDULE					
Test Date	Day	Test No.	Details			
25-05-2024	Saturday	UT -1 (Main)	Physics - Electric Charges and Field, Electrostatic Potential and Capacitance Chemistry - Solution, Electrochemistry Maths - Relations and Functions, Inverse Trigonometric Functions			
20-07-2024	Saturday	UT -2 (Main)	Physics - Current Electricity, Moving charges and Magnetism Chemistry - Chemical Kinetics & Nuclear Chemistry, The p-Block Elements (Group 15 - 18) Maths - Matrices, Determinants			
21-09-2024	Saturday	UT -3 (Main)	 Physics - Magnetism and Matter, Electromagnetic Induction Chemistry - The d & f-Block Elements, Coordination Compounds, Haloalkanes and Haloarenes (including GOC) Maths - Continuity and Differentiability, Applications of Derivatives 			
19-10-2024	Saturday	PT -1 (Adv)	 Physics - Electric Charges and Field, Electrostatic Potential and Capacitance, Current Electricity, Moving charges and Magnetism, Electromagnetic Induction Chemistry: Solid State, Solution, Electrochemistry, Chemical Kinetics & Nuclear Chemistry, Surface Chemistry, The p-Block Elements (Group 15 - 18), The d & f-Block Elements, Coordination Compounds, Haloalkanes and Haloarenes (including GOC) Maths: Relations and Functions, Inverse Trigonometric Functions, Matrices, Determinants, Continuity and Differentiability, Applications of Derivatives 			
09-11-2024	Saturday	UT -4 (Main)	Physics - Alternating Current, Electromagnetic Waves, Ray Optics and Optical Instruments Chemistry -Alcohols, Phenols and Ethers, Aldehydes, Ketones and Carboxylic Acids Maths - Indefinite Integrals, Definite Integrals			
30-11-2024	Saturday	UT -5 (Main)	Physics - Wave Optics, Dual Nature of Radiation & Matter, Atoms Chemistry -Amines, Biomolecules Maths - Application of Integrals, Differential Equations, Vector Algebra			
14-12-2024	Saturday	UT -6 (Main)	 Physics - Nuclei, Semiconductor Electronics: Materials, Devices & Simple Circuits, Experimental Physics Chemistry - Principles Related to Practical Chemistry including Qualitative Analysis Maths - Three Dimensional Geometry, Probability 			
21-12-2024	Saturday	PT -2 (Adv)	 Physics: Alternating Current, Electromagnetic Waves, Ray Optics and Optical Instruments, Wave Optics, Dual Nature of Radiation & Matter, Atoms, Nuclei, Experimental Physics Chemistry: Alcohols, Phenols and Ethers, Aldehydes, Ketones and Carboxylic Acids, Amines, Biomolecules, Polymers, Chemistry in Everyday life, Principles Related to Practical Chemistry including Qualitative Analysis, General Principles & Processes of Isolation of Elements Maths: Indefinite Integrals, Definite Integrals, Application of Integrals, Differential Equations, Vector Algebra, Three Dimensional Geometry, Probability 			
04-01-2025	Saturday	Mock Test-1	Mock Test on JEE (Main)			
14-01-2025	Tuesday	Mock Test-2	Mock Test on JEE (Advanced) (Paper-1 & 2)			
18-01-2025	Saturday	Mock Test-3	Mock Test on JEE (Main)			
25-01-2025	Saturday	Mock Test-4	Mock Test on JEE (Advanced) (Paper-1 & 2)			

UT- Unit Test | PT- Part Test | Mock Test



AIATS SCHEDULE FOR CLASS XII STUDYING STUDENTS I 2024-25 1

Test No.	Test Date	Date of Display of Answer key and uploading of video Solutions	Result Date	Pattern of Test	Subject	Topics for the Test
					Phy	Electric Charges and Field, Electrostatic Potential and Capacitance, Current Electricity, Moving charges and Magnetism
Practice Test Online	Test Window 12 - 17 Aug 2024			JEE (Main)	Chem	Solution, Electrochemistry, Chemical Kinetics & Nuclear Chemistry, The p-Block Elements (Group 15 - 18)
					Maths	Relations and Functions, Inverse Trigonometric Functions, Matrices, Determinants
					Phy	Electric Charges and Field, Electrostatic Potential and Capacitance, Current Electricity, Moving charges and Magnetism
1	18-08-2024	20-08-2024	25-08-2024	JEE (Main)	Chem	Solution, Electrochemistry, Chemical Kinetics & Nuclear Chemistry, The p-Block Elements (Group 15 - 18)
					Maths	Relations and Functions, Inverse Trigonometric Functions, Matrices, Determinants
					Phy	Electric Charges and Field, Electrostatic Potential and Capacitance, Current Electricity, Moving charges and Magnetism
1A	25-08-2024	27-08-2024	01-09-2024	JEE (Advanced) Paper-1 & 2	Chem	Solid State, Solution, Electrochemistry, Chemical Kinetics & Nuclear Chemistry, Surface Chemistry, The p-Block Elements (Group 15 - 18)
					Maths	Relations and Functions, Inverse Trigonometric Functions, Matrices, Determinants
					Phy	Magnetism and Matter, Electromagnetic Induction, Alternating Current, Electromagnetic Waves, Ray Optics and Optical Instruments
2	27-10-2024	29-10-2024	03-11-2024	JEE (Main)	Chem	The d & f-Block Elements, Coordination Compounds, Haloalkanes and Haloarenes (including GOC), Alcohols, Phenols and Ethers, Aldehydes, Ketones and Carboxylic Acids
					Maths	Continuity and Differentiability, Applications of Derivatives, Indefinite Integrals, Definite Integrals
					Phy	Electromagnetic Induction, Alternating Current, Electromagnetic Waves, Ray Optics and Optical Instruments
2A	10-11-2024	12-11-2024	17-11-2024	JEE (Advanced) Paper-1 & 2	Chem	The d & f-Block Elements, Coordination Compounds, Haloalkanes and Haloarenes (including GOC), Alcohols, Phenols and Ethers, Aldehydes, Ketones and Carboxylic Acids
					Maths	Continuity and Differentiability, Applications of Derivatives, Indefinite Integrals, Definite Integrals
					Phy	Wave Optics, Dual Nature of Radiation & Matter, Atoms, Nuclei, Semiconductor Electronics: Materials, Devices & Simple Circuits, Experimental Physics
3	22-12-2024	24-12-2024	29-12-2024	JEE (Main)	Chem	Amines, Biomolecules, Principles Related to Practical Chemistry including Qualitative Analysis
					Maths	Application of Integrals, Differential Equations, Vector Algebra, Three Dimensional Geometry, Probability
					Phy	Wave Optics, Dual Nature of Radiation & Matter, Atoms, Nuclei, Experimental Physics
3A	29-12-2024	31-12-2024	05-01-2025	JEE (Advanced) Paper-1 & 2	Chem	Amines, Biomolecules, Polymers, Chemistry in Everyday life, Principles Related to Practical Chemistry including Qualitative Analysis, General Principles & Processes of Isolation of Elements
					Maths	Application of Integrals, Differential Equations, Vector Algebra, Three Dimensional Geometry, Probability
4	05-01-2025	07-01-2025	12-01-2025	JEE (Main)	PCM	MOCK TEST on Complete Syllabus of Class XI
5	12-01-2025	14-01-2025	19-01-2025	JEE (Main)	PCM	MOCK TEST on Complete Syllabus of JEE (Main)
6	19-01-2025	21-01-2025	26-01-2025	JEE (Main)	PCM	MOCK TEST on Complete Syllabus of JEE (Main)
4A	09-02-2025	11-02-2025	16-02-2025	JEE (Advanced) Paper-1 & 2	PCM	MOCK TEST on Complete Syllabus of JEE (Advanced)
7	23-03-2025	25-03-2025	30-03-2025	JEE (Main)	PCM	MOCK TEST on Complete Syllabus of JEE (Main)
8	30-03-2025	01-04-2025	06-04-2025	JEE (Main)	PCM	MOCK TEST on Complete Syllabus of JEE (Main)
5A	20-04-2025	22-04-2025	27-04-2025	JEE (Advanced) Paper-1 & 2	PCM	MOCK TEST on Complete Syllabus of JEE (Advanced)
6A	27-04-2025	29-04-2025	04-05-2025	JEE (Advanced) Paper-1 & 2	PCM	MOCK TEST on Complete Syllabus of JEE (Advanced)
7A	04-05-2025	06-05-2025	11-05-2025	JEE (Advanced) Paper-1 & 2	PCM	MOCK TEST on Complete Syllabus of JEE (Advanced)
8A	11-05-2025	13-05-2025	18-05-2025	JEE (Advanced) Paper-1 & 2	PCM	MOCK TEST on Complete Syllabus of JEE (Advanced)

Tost Namo	DAILY TEST SCHEDULE & SYLLABUS (VOLUME 1 – APRIL)
Test Name Physics Daily Test 1	Test Syllabus Introduction, Electric charges, Conductors and insulators, Charging by induction, Charging by friction, Properties of electric charge, Coulomb's law, Vector form of coulomb's law,
Chemistry Daily Test 1	Introduction, Electric charges, conductors and instances, charging by inclution, charging by inclution, Properties of electric charge, could be any vector for or country in any intervention of country interventi
Mathematics Daily Test 1	Relation : Definition, Domain, Range, Total number of relations, Composition & inverse of relations, Types of relation, Reflexive, Symmetric, Transitive, Equivalence, Examples
Physics Daily Test 2	Electric field, Electric field due to a point charge, superposition principle, Electric field due to a group of charges.
Chemistry Daily Test 2	Elements of symmetry in cube : (i) Centre of symmetry, (ii) Plane of symmetry, (iii) Axis of symmetry, Close packed structures : (i) 1-D close packing, (ii) 2-D close packing, (iii) 3-
Mathematics Daily Test 2	Function : Domain
Physics Daily Test 3	Electric dipole, Dipole moment, Electric field due to an electric dipole on axial line, equatorial line and At any other point.
Chemistry Daily Test 3	ABAB type packing, (i) hexagonal close packing, (ii) Cubic close packing and voids, Packing efficiency.
Mathematics Daily Test 3	Range
Physics Daily Test 4	Electric dipole in a uniform electric field, Potential energy associated with dipole, Dipole in non-uniform electric field, Dipole oscillation.
Chemistry Daily Test 4	Radius ratio in ionic solids : r+/r- in voids; Density, Coordination number, Types of crystal structure : (i) AB type, (ii) AB2 and A2B type, (iii) Spinel and inverse spinel structures;
Mathematics Daily Test 4	Type of Functions : One-one, Many One, Onto, Into, Examples
Physics Daily Test 5	Motion of a charged particle in uniform electric field, Electric field of a continuous charge distribution, volume, surface and linear charge distribution
Chemistry Daily Test 5	Bragg's Law, Imperfection in solids : (i) Stoichiometric defects, (ii) Non-stoichiometric defects; Magnetic and electrical properties of solids
Mathematics Daily Test 5	Composite Function, Inverse of a Function
Physics Daily Test 6	Electric field due to a linear charge distribution like a straight rod, Electric field on the axis of a disk, ring and other cases of interest.
Chemistry Daily Test 6	Introduction : (i) Basic definitions, (ii) Type of solutions; methods of expressing strength of solutions; Solubility : (i) Solid in liquid, (ii) Gas in liquid (with Henry's law), (iii) Liquid in
Mathematics Daily Test 6	Even/odd Functions,
Physics Daily Test 7	Electric lines of force, properties of lines of force, lines of force due to a positive and negitive point charge. Electric flux, Vapour pressure of solution : (i) Factors affecting vapour pressure, (ii) Raoult's law, (iii) Ideal solutions. Non-ideal solutions, (iv) Classification of non-ideal solutions, Composition of
Chemistry Daily Test 7 Mathematics Daily Test 7	Periodic function
Physics Daily Test 8	Gauss's Law and application, Calculating electric field using Gauss's law. Electric field due to a point charge, An infinite linear charge distribution, A hollow cylinder of charge,
	Non-ideal solutions, (iv) Classification of non-ideal solutions, Composition of vapour; Azeotropic mixture, Colligative properties : (i) Relative
Chemistry Daily Test 8	lowering of vapour pressure. (ii) Elevation in boiling point, (iii) Depression in freezing point, (iv) Osmotic pressure. (iv) Association of
Mathematics Daily Test 8	Binary Operation, Principal value, Graphical representation,
Physics Daily Test 9	A shell of charge, Uniform sphere of charge, An infinite thin non conducting sheet.
Chemistry Daily Test 9	Introduction ; Electrolytic conductance :(i) Conductors, (ii) Ohm's law, (iii) Resistance, (iv) Conductance, (v) Cell constant, (vi) Molar and equivalent conductance Variation of
Mathematics Daily Test 9	Properties of Inverse Trigonometric functions
Physics Daily Test 10	Introduction, Electrostatic potential energy, Electrostatic potential energy of two and more point charges, Electrostatic potential, Potential difference, Potential due to a point
Chemistry Daily Test 10	Coductometric titration (Preceptation reaction, Strong acid - strong base reaction, Weak acid-weak base reaction, weak acid-strong reaction) Electrolysis : (i) Electrolytic cell, (ii)
Mathematics Daily Test 10	Converting one inverse function into another, example, Sum, difference formula of inverse function, Sum, difference formula of inverse function (cont.), Solution of inverse
Physics Daily Test 11	Potential due to continuous charge distribution e.g., Uniformly charged disc/ring, Relation between electric field and potential Electric potential of an Annulus, Potential due to a
Chemistry Daily Test 11	Electrochemical cell : (i) Cell representation (ii) Working of a cell, (iii) Function of salt bridge, (iv) Electrode potential and emf of a cell Electrochemical series and its application; (i)
Mathematics Daily Test 11 Physics Daily Test 12	Matrices : Introduction, Types of matrices Operations on Matrices- Equality of matrices, Algebra of matrices-Addition, Subtraction, Multiplication by scalar, matrix Equipotential surface, Equipotential surface due to a point charge and electric dipole, a long linear charge, Plane sheet of charge, Electrostatics of conductors : A conductor placed in electric field, A charged isolated conductor. Electric field near the surface of conductor, The role of sharp points on conducting surfaces.Conductor with cavity, Electrostatic pressure, Grounding of conductors, Dielectrics and
Chemistry Daily Test 12	Equilibrium Constant, Concentration Cell Thermodynamic Relationship of a cell, Standard electrodes : Gas-gas ion electrode, Metal-metal ion electrode, Metal-metal insoluble
Mathematics Daily Test 12	Determinants: Introduction: Determinants of matrix of order one, two, three, Properties of Determinant, Applications of Determinants- Areas, Minor and Co-factors.
Physics Daily Test 13	Capacitor and Capacitance, Types of capacitors-Parallel plate Capacitor, spherical capacitor, Cylindrical capacitor, Charging of a capacitor, Energy stored in a capacitor.
Chemistry Daily Test 13	Introduction ; Rates of chemical reaction: (i) Rate, (ii) Average and instantaneous rate, (iii) Law of mass action, (iv) Rate law or rate equation of a reaction, (v) units of rate of a
Mathematics Daily Test 13	Adjoint of a matrix, Inverse of a matrix, Applications of Determinants and Matrices, Solution of equations- Using Inverse and Cramer's rule.
Physics Daily Test 14	Force between the plates of a parallel plate capacitor, Grouping of capacitors, Capacitors with dielectrics,
Chemistry Daily Test 14	Integrated rate law : (i) Zero order, (ii) First order, (iii) Half-life (iv) nth order, Graphical method. Numericals on some first order reactions : (i) In terms of concentrations, (ii) in
Mathematics Daily Test 14	Limits, Indeterminate forms, Evaluation of limit,L' Hospital rule
Physics Daily Test 15	Sharing of charge and common potential,Laws for solving complex circuits of capacitors, Van De Graff Generator
Chemistry Daily Test 15 Mathematics Daily Test 15	Order of reaction from reaction mechanism, Parallel reaction Factors affecting rate of a chemical reaction : (i) Concentration of reactant, (ii) Nature of reactant and product, (iii) Exposure to radiation (photochemical reactions), (iv) Temperature (Arrhenius equation), (v) Catalyst, Continuity, Definition, Examples, Differentiability : Definition, LHD, RHD
	Current Electricity: Introduction, Electric current, Electric current in conductors, Ohm's law , Factors affecting resistance of a conductor.
Physics Daily Test 16	Resistor colour codes, Temperature dependence of resistivity, Current density and electric field, Drift of electrons and the origin of resistivity, mobility, limitations of Ohm's law,
Chemistry Daily Test 16	Nuclear chemistry : (i) Properties of a-, b-, g- rays, (ii) Group displacement law, (iii) Nuclear stability, (iv) Rate of radioactive decay, (v) Types of nuclear reactions, (vi) Radio-
Mathematics Daily Test 16	Chain rule, Differentiation of composite, Implicit, Inverse Trigonometric function. Differentiation of logarithmic, Parametric forms,
Physics Daily Test 17	Combination of resistors, Cells, emf and internal resistance of a cell, Maximum power transfer theorem, Cells in series and parallel, Kirchoff's laws.
Chemistry Daily Test 17	Introduction, Adsorption : (i) Some basic definitions, Distinction between adsorption and absorption, (ii) Mechanism, (iii) Types of adsorption, Characterstic of adsorption.(i)
Mathematics Daily Test 17	2nd Order derivative, Rolle's theorem, LMVT, Examples.Functional equations and assignment discussion.
Physics Daily Test 18	Earthing or grounding in an electric circuit. Wheatstone bridge, Equivalent resistance of complex networks.
Chemistry Daily Test 18	Colloidal system; (i) Partical size and colloidal state, (ii) Classification of colloidal system.Collid : (i) Preparation, (ii) Properties, (iii) Purification, (iv) Emulsion (v) Application of colloid
Mathematics Daily Test 18	Applications of Derivatives: Derivative as rate measurer- Rate of change of quantities, Marginal rate, related rates, Equation of tangent & Normal, Length of tangent, Normal, Sub-
Physics Daily Test 19	Metering circuits, Galvanometer, Ammeter, Conversion of galvanometer to ammeter, Voltmeter, Conversion of galvanometer to voltmeter. Introduction : Occurance, Important ores and minerals; Metallurgical process : (i) Crushing, (ii) Concentration, (iii) Calcination and roasting,
Chemistry Daily Test 19	(iv) Reduction. Thermodynamic principles of metallurgy: Ellingham diagram,
	Errors and approximation, Monotonicity - Increasing and Decreasing function
Mathematics Daily Test 19	Error in the measurement by ammeter/voltmeter. Meter bridge, potentiometer application of potentiometer, Sensitivity of potentiometer.
Physics Daily Test 20	
Physics Daily Test 20 Chemistry Daily Test 20	Purification. Extractive metallurgy of (i) Iron, (ii) Tin, (iii) Copper, (iv) Lead, (v) Magnesium, (vi) Aluminium, (vii) Silver, (viii) Zinc
Physics Daily Test 20 Chemistry Daily Test 20 Mathematics Daily Test 20	Purification. Extractive metallurgy of (i) Iron, (ii) Tin, (iii) Copper, (iv) Lead, (v) Magnesium, (vi) Aluminium, (vii) Silver, (viii) Zinc Definition of local maxima & minima, Absolute maxima & minima First order Derivative test, Second order derivative Test
Physics Daily Test 20 Chemistry Daily Test 20	Purification. Extractive metallurgy of (i) Iron, (ii) Tin, (iii) Copper, (iv) Lead, (v) Magnesium, (vi) Aluminium, (vii) Silver, (viii) Zinc

	DAILY TEST SCHEDULE & SYLLABUS (VOLUME 1 – APRIL)
Test Name	Test Syllabus
Mathematics Daily Test 21	Word problem on Maxima & Minima
Physics Daily Test 22	Introduction, Magnetic force (Lorentz force), Direction of magnetic force (Fleming's left hand rule), Properties of magnetic force on charge.
Chemistry Daily Test 22	Ammonia, Oxides of nitrogen, nitric acid, allotrophes of phosphorus, Compounds of phosphorus (PH3, PCl3, PCl3, oxoacids of Phosphorus)
Mathematics Daily Test 22	Integrals: Indefinite Integrals Introduction basic concepts, Standard result, Algebra of Integration, Methods of integrations, Integration by substitution
Physics Daily Test 23	Magnetic field due to a current element (Biot-savart law), Magnetic field Surrounding a thin straight current carrying conductor,
Chemistry Daily Test 23	Physical and chemical properties fo 16th group elements, Dioxygen (Preperation and properties), oxides, ozone, Allotropes of S, Compounds of S (oxoacids, H2S, SO2, SO3,
Mathematics Daily Test 23	Integration using trigonometric identifies. Integration of some particular functions.
Physics Daily Test 24	Magnetic field due to a loop of current on its axial point at centre. Magnetic field due to an arc at its centre. Magnetic field due to different combined structures.
Chemistry Daily Test 24	Physical and chemical properties of 17th group F2, Cl2, Br2 and I2. (Preperation and properties)
Mathematics Daily Test 24	Partial fraction, Integration by parts, Special Integral of Type:
Physics Daily Test 25	Ampere's circuital law. Applications of Ampere's law (a) magnetic field due to a straight infinite current carrying wire. (b) Magnetic field inside a long straight current carrying conductor, (c) Magnetic field due to an infinite plane sheet of current, (e) Magnetic field due to a long
Chemistry Daily Test 25	HX, Oxoacids of halogens bleaching powder, Interhalogen compounds, Psuedohalogens. Physical properties of 18th group elements, Compound of Xe.
Mathematics Daily Test 25	Integration of Irrational function Reduction formula problem discussion
Physics Daily Test 26	Magnetic force on a current carrying conductor. Force between two parallel current carrying wires. Force between two perpendicular current carrying wires.
Chemistry Daily Test 26	Introduction : General characteristics of transition elements : (i) Electronic configuration, (ii) Variation in atomic and ionic size, (iii) Ionization enthalpy, (iv) Oxidation state, (v) Electrode potential, (vi) Colour, (v) Catalytic property, (vi) Formation of complex and interstitial compounds,
Mathematics Daily Test 2	Introduction- Evaluation of integrals by substitution
Physics Daily Test 27	Motion of charged particle in a Magnetic field, when (a) $q = 0^\circ$, 180° straight line, (b) $q = 90^\circ$, circular path, finding r, T, F, (c) $q \dots 0^\circ$, 90°, 180°, Helix.
Chemistry Daily Test 27	(iii) Silver nitrate, (iv)Ag2O, (v) Ag2S2O3, (iv) White vitriol, ZnCl2, Blue vitriol, CuO, CuCl2.2H2O, FeO, Green vitriol, (v) Ferric chloride, The inner transition
Mathematics Daily Test 2	Properties of definite integrals, Estimation of integrals, Gamma Function Reduction formula, Definite integral as the limit of a sum, Miscellaneous Problem
Physics Daily Test 28	Motion of charged particle in combined electric and magnetic fields. (a) V, E and B all parallel to each other, (b) V, E and B all perpendicular to each other,
Mathematics Daily Test 2	Introduction, Area under simple curve, Curve sketching. Area under the curves, Miscellaneous Problem and assignment discussion.
Physics Daily Test 29	Cyclotron, Current loop as a magnetic dipole, Torque on a current loop in a uniform magnetic field. The magnetic dipole moment of revolving electron. The
Chemistry Daily Test 29	Werner theory, Effective atomic number, VBT, CFT, Colours of complex, organometallic, Stability of complex (Including factor affacting stability), Application
Physics Daily Test 30	Bar Magnet, Magnetic Field Lines, Pole strength, Bar magnet as an equivalent solenoid, Magnetic dipole moment of a bar magnet. Magnetic field due to a bar magnet (a) On axial position, (b) On normal bisector. Dipole in uniform magnetic field. Torque on a magntic dipole in uniform magnetic field. Workdone in rotating dipole in uniform magnetic field energy of dipole in uniform magnetic field. Tangent
Chemistry Daily Test 30	Physical analysis; Microcosmic bead test, Na2CO3 bead test, Dry test, Dry Test (i) Flame test, (ii) Borax-bead test, Nalysis of acid radicals : CO32–, CH3COO–, NO2–, NO3–, SO32–, S–2,
Physics Daily Test 31	Gauss's law, Earth's Magnetism, Geographic meridian, Magnetic meridian, Magnetic Declination and dip. Horizontal and vertical component of earth magnetic field. Relation between horizontal component, Vertical component and angle of dip.Magnetization and Magnetic Intensity, Magnetic Susceptibility, Magnetic Permeability, Relative permeability. Magnetic properties of material (a) Diamagnetism (b) paramagnetism
Chemistry Daily Test 31	Analysis of basic radicals : Ag+, Pb2+, Hg22+, Hg2+, Cu2+, Cd2+, Bi+3,As3+,
Physics Daily Test 32	Introduction, The experiments of Faraday and Henry. Magnetic flux. Faraday's law of inducton, Lenz's law. Lenz's law and conservation of energy. Methods to change the magnetic
Chemistry Daily Test 32	Analysis of basic radicals : Sn2+, Sb3+, Fe+3, Al+3, Cr+3, Ni+2, Co+2, Zn+2, Mn+2, Ba2+, Ca2+, Sr2+, Mg2+, NH4+.
Physics Daily Test 33	Field induction, induced electric field. Induced electric field in a cylindrical region. Examples based on calculation of emf induced in rods placed in various positions in the cylindrical
Physics Daily Test 34	Inductance and inductor, Self inductance, Potential difference across an inductor, energy stored in an inductor, energy density. Grouping of Inductors,
Physics Daily Test 35	Mutual inductance, Calculation of mutual inductance for two coils. Mutual inductance of a solenoid sourrounded by a coil. Coefficient of coupling. Combination of inductances by
Physics Daily Test 36	L-R circuit (growth of current and decay of current) steady state LR circuit, steady state LCR- circuits. Current in various branches just after closing and just after opening the
Physics Daily Test 37	Alternating current and emf, Mean value for half cycle of AC, Root mean square value of AC, Phasor diagram, Hot wire instrument, AC voltage applied to a resistor, Inductor and
Physics Daily Test 38	AC voltage applied to a series LCR circuit, Resonance, sharpness of resonance, Parallel resonance circuit, Power in AC circuit (the power factor) Choke coil, LC oscillation,

Selements: Daily Test 31 Insert offerential register, Benoald's equation/Inspection method, Ontogenal trajectory samples: Vetariantics: Daily Test 32 Production: Types of vetaria, Addition of Vetaria and Properties, Multiplication by Scalar, Comported on Vetaria, Section Formula, Dat product of Ivia vetaria Vetariantics: Daily Test 34 Production: Types of vetaria, Addition of Vetaria and Properties, Multiplication, Examples Vetariantics: Daily Test 34 Production: Types of Vetaria, Addition of Vetaria and Properties, Multiplication, Examples Vetariantics: Daily Test 34 Production: Types of Vetaria, Addition of Vetaria regulation, Types and on of Vetaria sequence and the Vetaria and Vetaria and Baselian and Types of Types of Vetaria, Secuence and Types and Types and Types of Vetaria, Secuence and Types an		DAILY TEST SCHEDULE & SYLLABUS (VOLUME 2 – SEPTEMBER)
Set ends (a) (152) Set ends (b) (152) Set ends (c)		
 Hardmark Dail, Total J. Inter differential equation, Sensorth's equation, Insection method, Ottloponal trajectory examples. Holdschler Total J. Inter differential equation, Sensorth's equation, Insection method, Ottloponal trajectory examples. Consensort of two exercises, Season Promula, Det product of non-vectors Consensort of two exercises, Season Promula, Det product of non-vectors Consensort of two exercises, Season Promula, Det product of non-vectors Consensort of two exercises, Season Promula, Det product of non-vectors Consensort of two exercises, Season Promotecking, Programma California, TeleX. Components of Nucleics, Sector Pormula, Det product of non-vectors Consensort of two exercises, Season Promotecking, Programma California, TeleX. Components of Nucleics, Sector Pormula, Det product of non-vectors Consensort of two product and te sequences, Nucleic of exercise of Nucleics, Sectoral Pormula, Det product of non-vectors Consensort of two product and te sequences of Nucleics, Sectoral California, Barcel and Elevances, Nucleica California, Barcel and Elevances, Nucleica California, Barcel and California, Barcel and California, Barcel and California, Barcel and Sectors of Policita California, Sector and California, Programma and Sectors of Policita California, Proceedia on Alifornia California Cali	Mathematics Daily Test 29	
Manualization Types of vectors, Addition of Vectors and Properties, Multiplication by Sonis, Components of Vector, Section Formula, bit product of two vectors. Service Duily Test 33 General Organic Chemistry Anternation Duily Test 33 General Organic Chemistry Service Duily Test 34 Hondoxidonesmic Introduction, Classification, Device Duily Community, France Anternation of National Processing Service Duily Test 35 Service Duily Test 34 Hondoxidonesmic Introduction, Classification, Solidon of vector equation Service Duily Test 34 Hondoxidonesmic Introduction, Device Duily Community, Test Community, Te	Mathematics Daily Test 30	Methods of solving differential equation variable separable. Homogeneous differential equation. Reducible to nomogeneous differential equation,
 Handmark John (Hz. 20) General Organis Chemistry General Organis Chemistry Sonoat of the vectors, Scalar Trole product, Walker of parallelepped, Trainbelon, Examples Handmarks Daly Test 34 Markaman and Materians: Introduction, Caditaction, DEAC remembrance Preparation of Handmarks from Aucharts, Introduction, Natager exchange; from Averes and Materians: Introduction, Caditaction, DEAC remembrance Preparation of Handmarks from Aucharts, Introduction, Caditaction, DEAC remembrance Preparation of Handmarks and Materians: Dealer and Materians: Materians: Materians: Dealer and Mat	Mathematics Daily Test 31	linear differential equation, Bernoulli's equation, Inspection method, Orthogonal trajectory examples
Hathematics Daily Test 32 Coss Product of two vectors. Solar Triple product. Yourne of parallelepiped, Techneton, Deangles Demistry Daily Test 34 Hostanes and Halaverses. Intractation, Classification, TLPEC normeticature, Preparation of hostalations from alcohols, henny parallelepiped, Testing Pa	Mathematics Daily Test 32	Introduction : Types of vectors, Addition of Vectors and Properties, Multiplication by Scalar, Components of Vector, Section Formula, Dot product of two vectors
Headlanes and Paisarenes : Incorduction, Classification, 11/PAC nonneclature, Preparation of haloalkanes from alcohols, from hydocarbors, halogen exchange, from Alenes and Alasteria Encorduction, Classification, 11/PAC nonneclature, Preparation of haloalkanes from alcohols, from hydocarbors, halogen exchange, from Alenes and Alaster national pression and provide and densite formation allow free states and alcohols, from hydocarbors, dealer national configuration. Head International pression and contrained pression and contained pression and contained pression and alcohols. Head International pression and the specification alcohol, etterning of patients. Head International pression and the specification alcohol, etterning of patients. Head International pression and the specification alcohol, etterning of patients. Head International pression and the specification alcohol, etterning of patients. Head International Pression and International Pression and P	Chemistry Daily Test 33	General Organic Chemistry
Jamas V (ed. 4) Ten Description and: Jamas V (ed. 4) Provide in description and: Provide in description of the d	Mathematics Daily Test 33	Cross Product of two vectors, Scalar Triple product, Volume of parallelepiped, Tetrahedron, Examples
Instrument Physical and chemical properties of holokames Anoldert mulesophiles. Solvee of nucleophile: substitution reactors - (disculation) Stenssty Duby Test 35 Physical and chemical properties of holokames Anolders mulesophiles and the substitution reactors - (disculation) Solvee Anolder Solvee Anolders and the substitution reactors - (disculation) Solvee Anolder Solvee Anolders and the substitution reactors - (disculation) Solvee Anolders An	Chemistry Daily Test 34	Haloalkanes and Haloarenes : Introduction, Classification, IUPAC nomenclature, Preparation of haloalkanes from alcohols, from hydrocarbons, halogen exchange; from Arenes and from Diazonium salt.
Additional (1961.3) Optical sometime, agedfic rolation, chinal action, extension of symmetry, caractiones, diselectiones, solation continuo, certain action in the inspect and between two lines. J. Sec lines. Shorts distance states of a simulation. Electrophilic substitution, Reaction with metals; polyhalogen compounds. Balenetsy Daily Test 33 Nachanian IPAIL, SUC, EL and E2 reactions Reactions of Haloarens: Nucleophilic substitution, Reaction with metals; polyhalogen compounds. Statematics Daily Test 34 Nachanian IPAIL, SUC, EL and E2 reactions Reactions of Jaloarens: Structure of functional group, Preparation of alcohols, Preparation of phenol Statematics Daily Test 35 Rear and line- Aligo, Dissource of a point from a give and and point with respect to a plane. Statematics Daily Test 34 Reard mile - Aligo, Dissource of a point from a give and point with respect to a plane. Statematics Daily Test 35 Rears of line- Aligo, Dissource of a point from a give and and point with respect to a plane. Statematics Daily Test 36 Rears of line- Aligo, Preparation of Aligo, Dissource of distructures, Carbonal actional actionactional actional actional actional actional actionactional actio	Mathematics Daily Test 34	Vector triple product and its application, Solution of vector equation
Holdback Induction, Director calines, direction radies, wettor and Cartesian equation of a line in space, Angle between two lines, Statur lines, Shortest distance between skew lines and angle lines. Demisity Daily Test 30 Mechanian of X1, S10, E1 and E2 reactions Reactions of Haioanenes 1: Nucleophilic substitution, Reaction with metals; polyhalogen compounds. Methanian CS X1, S10, E1 and E2 reactions Reactions of Haioanenes 1: Nucleophilic substitution, Reaction with metals; polyhalogen compounds. Methanian CS X1, S10, E1 and E2 reactions Reactions of Haioanenes 1: Nucleophilic substitution, Reaction with metals; polyhalogen compounds. Methanian CS X1, S10, E1 and E2 reactions Reactions of Haioanenes 1: Nucleophilic substitution, Reaction of Alion (Singen Calingen Calingen Calingen Calingen Calingen Calingen Status of Alionane Particip, Paratition of phenol, Physical properties of Alcohols and phenos, Chemical properties of Alcohols Chemical reactions, Softwarenes (Particip, Negatorenes Calingen Calin	Chemistry Daily Test 35	
tertensity Daily Test 3 Here : Introduction, Verious equations of the plane, Family of planes, Coplane lines, anyle between planes Alcohols and phenols : Introduction, Classification, Nomendature, Structure of functional group, Preparation of alcohols, Preparation of phenol Hereinstry Daily Test 3 Rene : Introduction, Classification, Nomendature, Structure of functional group, Preparation of alcohols, Preparation of phenol Hereinstry Daily Test 3 Rene : Introduction, Classification, Nomendature, Structure of functional group, Preparation of alcohols, Preparation of phenol Hereinstry Daily Test 3 Rene : Introduction, Medicon, Classification, Nomendature, Structure of functional group, Preparation of phenol Normal Structure, Preparation of phenol, Physical properties of alcohols chemical reactions, Genotics Physics Daily Test 3 Rene : Classification, naming and preparation of ethers, Chemical reactions of ethers, Flexibility Baily Test 40 Reneits Daily Test 40 Reneits Classification, naming and preparation of ethers, Chemical reactions of ethers, Flexibility Reneits Reneits Daily Test 40 Reneits Classification, naming and preparation of ethers, Chemical reactions of ethers, Electrophilic substitution of any ethers, Preparation of eupoxides, Reactions of epoxides, Reactions of ethers, Reneit Reneits Classification, naming and preparation of ethers, Chemical reactions of ethers, Electrophilic substitution, Preparation of alcohols, Mytocarbors, acd haldes cyandes, esters and Cerboly, Magnitodino and Reneits Intoduction, Reneits Intoduction, Reneits Intoduction, Reneits Intoduction, Reneits Intoduction, Classification I, Reneit I, Reneit Reneits Daily Test 41 Referetion at plane surface, generic Herston, Surface, Preparation of distribution, Biomail Destribution Physics Daily Test 41 Referetion at plane surface, generic Herston, Reneit I, Regelina Classification I, Referetion I, Reneits I, Regelina Classification, Classification, Classification, Classification, Referetion, Reneins Intoduction, Referetion I, Reselina	Mathematics Daily Test 35	Introduction, Direction cosines, direction ratios, vector and Cartesian equation of a line in space, Angle between two lines , Skew lines, Shortest distance between skew lines and
http://wistry Daily Test 37 Akchols and phenols : Introduction, Classification, Nomenclature, Structure of functional group, Preparation of alcohols, Preparation of phenol Atathematics Daily Test 37 Rane and line- Angle, Distance of a point from a plane and from a line. Image of a point with respect to a plane Preside Daily Test 38 Resisci of probability, Projectal properties of alcohols and phenols, Chemical properties of alcohols Chemical reactions of phenol – Nitration, subphonatori, Koher's reaction, Remem Teaman action of phenol – Nitration, audiphonatori, Koher's reaction, Remem Teaman action of phenol – Nitration, Teaman action of phenol – Nitration, Nature actions of phenol – Nitration, Sources of electromagnetic waves, Relation of alcohols, Preparation of alcohols, Reactions of epoxides Preside Daily Test 39 Independent events, Total probability, Teampics, Bayes' theorem Preside Daily Test 30 Independent events, Total probability, Classify, Resparation of alcohols, Reactions, Bionnial Distribution Nater State Aldeholdes and Retions : Introduction, Remeministy, (graph); Magnification, Itilites and kelones from alcohols, Indercatmons, acid halides, cyanides, esters and carboxidi acids, Preparations of aromatic adeholde and variable, Man & Variance of distribution, Binomial Distribution Physics Daily Test 41 Reflection form curreed surface; generical Magnification of inaled valides and kelones. Tomal Acidohily Research and Ammonia derivatives Physics Daily Test 40 Reflection a plane surface	Chemistry Daily Test 36	
Internation Pane and line- Angle, Distance of a point from a plane and from a line. Image of a point with respect to a plane Enemistry Daily Test 30 Peparation of phenol, Physical properties of alcohols and phenols, Chemical properties of alcohols Chemical reactions of phenol – Nitration, halogenation, solution, classer roumanement. Coupling: reaction of phenol Physics Daily Test 30 Enroduction, Constitution, Classer roumanement. Coupling: reaction of phenol Physics Daily Test 30 Enroduction, Constitution of phenols, Physical and the Constitution of phenols, Chemical reactions of chers, Electrophilic substitution of any ethers, Preparation of electromagnetic waves, Relati Chemistry Daily Test 30 Enroduction, Ampeer circulal awand lis contradiction, Displacement current, Consequences of displacement, Canadian, Populariano of electromagnetic waves, Relati Chemistry Daily Test 40 Physics Daily Test 40 Concept of rays, Laws of reflection; Plane mirrors; (reflection from plane surface); Number of images due to two inclined mirrors; Matematics Daily Test 40 Physics Daily Test 40 Reflection from current surface; grapping band surface); Number of images due to two inclined mirrors; Matematics Daily Test 40 Physics Daily Test 41 Reflection from current surface; grapping banding and Matoms, (regar) i Magnification (remained and keines; Chemical and the surface); Number of images due to two inclined mirrors; Matematics Daily Test 41 Physics Daily Test 41 Reflection from current surface; plane regaration of indiage and Matoms in anothon variable, Magnificatino in finage due to lens, L	Mathematics Daily Test 36	Plane : Introduction, Various equations of the plane, Family of planes, Coplanar lines, angle between planes
Investig Preparation of phenol, Physical properties of alcohols and phenols, Chemical properties of alcohols Chemical reactions of phenol – Nitretion, halogenation, subjects Hathematics Daily Test 38 Basics of probability, Picture on P & C., Introduction, Continual Probability, multiplication Deserve on phenol Nitretion, halogenation, subjects Hysics Daily Test 39 Ethoduction, Ampree circulal law and its controduction, Displacement current, Consequences of displacement current, Passwell equation, Sources of electromagnetic waves, Relations of epoxides Hysics Daily Test 30 Independent cents, Total probability, Etamples, Bayes' theorem Physics Daily Test 40 Concept of rays; Laws of reflection, Plane minors; (reflection from plane surface); Number of images due to two inclined minors; Addentity Daily Test 40 Reflection for curved surface subject and s	Chemistry Daily Test 37	Alcohols and phenols : Introduction, Classification, Nomenclature, Structure of functional group, Preparation of alcohols, Preparation of phenol
Jule III July Test 30 July Test 40 July Tes	Mathematics Daily Test 37	Plane and line- Angle, Distance of a point from a plane and from a line. Image of a point with respect to a plane
Mathematics Daily Test 38 Basics of probability, Problem on P & C, Introduction, Conditional Probability, multiplication theorem on probability Mysics Daily Test 39 Introduction, Ampere circulal law and its contradiction, Displacement current, Consequences of displacement current, Maxwell equation, Sources of electromagnetic waves, Relati Ensemistry Daily Test 30 Mathematics Daily Test 30 Independent events, Total probability : Examples, Bayes' theorem Provide Daily Test 40 Concept of rays; Laws of reflection; Plane mirrors; (reflection from plane surface); Number of images due to two inclined mirrors; Addenydes and Kotones : Introduction, Nomerciditure and structure, Preparation of aidehydes and ketones Resperations of aronatical dehydes and ketones Structure Daily Test 40 Reflection from curved surface; spherical Mirror equation; (raph) ; Magnification ; (lateral as well as longiturinal); piscel of lange. Physics Daily Test 41 Reflection from curved surface; spherical Mirror equation; (raph) ; Magnification; (lateral as well as longiturinal); speed of image. Structure Daily Test 42 Refraction at plane surface, laws of reflection; Apparent depty, Total internal reflection; (rotical angle); Shift due to a slab, Refraction from spherical surfaces, Refraction from Structure Daily Test 43 Reduction reactors : Reduction to alcoholy; reduction to Antoholy; reduction to Antoholy; reduction on Horizon toors, Doddstor reactors by Totilers reager: and Felling soution; Haidow and test due adds, haidowe and teston due to him pism.	Chemistry Daily Test 38	
Demistry Daily Test 39 Ethers : Classification, naming and preparation of ethers, Chemical reactions of ethers, Electrophilic substitution of anyl ethers, Preparation of exposides, Reactions of epoxides Mathematics Daily Test 30 Independent events, Total probability : Examples, Bayes' theorem Demistry Daily Test 40 Concept of rays; Laws of reflection; Plane mirrors; (reflection from plane surface); Number of images due to two inclined mirrors; Demistry Daily Test 40 Addehydes and Ketones : Introduction, Nomerachture and structure, Preparation of aidehydes and ketones from alcohols, hydrocarbons, acid halides cyanides, esters and carbonyli acids, Preparations of aromatic aidehydes and ketones Mathematics Daily Test 41 Reflection from curved surface; spherical Mirror equation; (graph); Magnification ; (lateral as well as longitudinal); speed of image. Demistry Daily Test 41 Physica Daily Test 42 Reflection at plane surface; laws of refraction; Apparent depth; Total Internal reflection, (ortical angle); Shift due to a slab, Refraction from spherical surface; speerical on form halon exactions is registry Daily Test 43 Reflection at plane surface; laws of refraction; Apparent depth; Total Internal reflection; Bronosob; Halidorn machine, Halodorn Machone, Peeraratin of a hers; Power of a lens; Power of a combinati	Mathematics Daily Test 38	
Mathematics Daily Test 30 Independent events, Total probability : Examples, Bayes' theorem Physics Daily Test 40 Concept of rays; Laws of reflection; Plane mirrors; (reflection from plane surface); Number of images due to two inclined mirrors; Aldehndes and Ketones : Introduction, Nomenclature and structure, Preparation of addehydes and ketones from alcohols, hydrocarbons, acid halides cyanides, esters and carboxyli acids, Preparations of anomatic addehydes and ketones Mathematics Daily Test 40 Bayes' theorem continued, Probability distribution of a random vanable, Mean & Variance of distribution, Binomial Distribution Physics Daily Test 41 Physical properties of addehydes and ketones. Chemical reactions - Nucleophilic addition of HCN, NatSO3, Grignerd's reagent, alcohols and ammonia derivatives Physics Daily Test 42 Refraction from curved surface; spherical surfaces; function; Apparent deptr, Total internal reflection; (critical angle); Shift due to a slab, Refraction from spherical surfaces; Refraction from mapping due to lens, Lens Constant; Displacement method. Physics Daily Test 43 Refraction reactions : Reduction to alcohols; reduction to hydrocarbons, Oxidation reactions the totohydric monorhal due to alyshing, reduction of anomatic carboxylic acids. Jones; Jones and Jones and Jones; Jones and Jones and Jones and Jones; Jones and Jones and Jones; Jones and Jones and Jones; Jones and Jones; Jones and Jones and Jones; Jones and Jones and Jones; Jones and	Physics Daily Test 39	Introduction, Ampere circuital law and its contradiction, Displacement current, Consequences of displacement current, Maxwell equation, Sources of electromagnetic waves, Relatio
 Hysics Daily Test 40 Concept of rays; Laws of reflection; Plane mirrors; (reflection from plane surface); Number of images due to two inclined mirrors; Addehydes and Ketones : Introduction, Nomenclature and structure, Preparation of aidehydes and ketones grantical dehydes and ketones Bayes' theorem continued, Probability distribution of a random variable, Mean & Variance of distribution, Binomial Distribution Bayes' theorem continued, Probability distribution of a random variable, Mean & Variance of distribution, Binomial Distribution Physica Daily Test 41 Physica Daily Test 42 Reflection from curved surface; spherical Mirror equation; (graph); J Magnification; (laterial as well as longitudinal); speed of image. Physica Daily Test 42 Reflection ray Laws critection; well on the dehydes and ketones; Chemical reactions – Nucleophilic addition of HCN, NaHSO3, Grignard's reagent, alcohols and ammonia derivatives Physica Daily Test 42 Reduction reactions : Reduction to alcohols; reduction to hydrocarbons, Oxidation reactions to Tollen's reagent and Fehling solution; Haloform reaction; Beyer-Villeger oxidation, Physica Daily Test 43 Reaction in earlier Stormula; Lemses; Lens formula; Magnification of image due to lens, Lems Constant; Displacement method. Pennistry Daily Test 43 Denistry Daily Test 45 Dispersion and deviation due to prism, dispersive power; Optical Instruments; Simple microscope; Compound microscope; Telescope. Derivatives of carboxylic acid: Preparation and properties of add halides, esters; anhydrides, setues and amides; Gabriel prints, Division and Index annuatic amines; Physica Daily Test 45 Dispersion and deviation due to prism, dispersive power; Optical Instruments; Simple microscope; Compound microscope; Telescope. Derivatives	Chemistry Daily Test 39	Ethers : Classification, naming and preparation of ethers, Chemical reactions of ethers, Electrophilic substitution of aryl ethers, Preparation of expoxides, Reactions of epoxides
Addethydes and Ketones : Introduction, Nomenclature and structure, Preparation of addetydes and ketones from alcohols, hydrocarbons, acid halides cyanides, esters and carboxyli Athematics Daily Test 40 Bayes' theorem continued, Probability distribution of a random variable, Mean & Variance of distribution, Binomial Distribution Physics Daily Test 41 Reflection from curved surface; spherical Mirror equation; (graph) ; Magnification; (clateral as well as longibutinal); speed of image. Physics Daily Test 41 Physical properties of aldehydes and ketones. Chemical reactions – Nucleophilic addition of HCN, NaHSO3, Grignard's reagent, alcohols and ammonia derivatives Physics Daily Test 42 Refraction ractions : Reduction to alcohols; reduction to hytocarchons, Oxdiation reactions is Prodient reactions : Reduction to alcohols; reduction to hytocarchons, Oxdiation reactions is Prodient reactions; Revuction to alcohol; reductions by Toller Seagent and Felling solution; Haloform reaction; Bayeer-Villeger oxdiation, Physics Daily Test 43 Reaction due to a hydrogen : Addo condensation; Cannizzaro reaction Electrophilic solution of onzabic carbonyl compounds, Perkin reactions : Revuction reactions : Revuction eractions eractions eractions; Revuction and eractions; Acide and anides; esters, anhydrides, and anides; Decarboxylation and HVZ reaction, Perkingen, Devakovic acid : Preparation of acid halides, esters, anhydrides, saters and amides; Physics Daily Test 45 Defensitor Daily Test 44 Power of a lens; Preparation of many econopaus, spaniferation of acid halides, esters, anhydrides, saters and amides; Physics Daily Test 45 Defensiton due t	Mathematics Daily Test 39	Independent events, Total probability : Examples, Bayes' theorem
Automatical control actds, Preparations of aromatic aldehydes and ketones Variational continued, Probability distribution of a random variable, Mean & Variance of distribution, Binomial Distribution Variational continued, Probability distribution of a random variable, Mean & Variance of distribution, Binomial Distribution Variational continued, Probability distribution of a random variable, Mean & Variance of distribution, Binomial Distribution Variational continued, Probability distribution of a random variable, Mean & Variance of distribution, Binomial Distribution Variational continued, Probability distribution of a random variable, Mean & Variance of distribution, Binomial Distribution Variational continued, Probability distribution of a random variable, Mean & Variance of distribution, Binomial Distribution Variational continued, Probability distribution of a random variable, Mean & Variance of distribution, Binomial Distribution Variational continued, Variational context, Prismic Apprend depth, Total Internal reflection; Critical angle); Shift due to a slab, Refraction from spherical surfaces; Refraction from spherical surfaces; Refraction from spherical surfaces; Refraction and reflexing solution; Halodorm reaction; Beeyer-Villeger oxidation, Contender and Structure of carboxylic context, Prismic Spression for deviation due to prismic presention of carboxylic acids; Nomenclature and Structure of arandom deviation due to prismic presention of acid halides, esters, anthydrides and amides; Coarboylic due to thin prism; Chemistry Daily Test 45 Dispersion and deviation due to prism, dispersive power; Optical Instruments; Simple microscope; Compound microscope; Tel	Physics Daily Test 40	Concept of rays; Laws of reflection; Plane mirrors; (reflection from plane surface); Number of images due to two inclined mirrors;
Value Bayes' theorem continued, Probability distribution of a random variable, Mean & Variance of distribution, Binomial Distribution Physics Daily Test 41 Reflection from curved surface; spherical Mirror equation; (graph); Magnification ; (distribution, Binomial Distribution) Physics Daily Test 41 Reflaction at plane surface; spherical Mirror equation; (graph); Magnification ; (distribution of HCN, NaHSO3, Grignard's reagent, alcohols and ammonia derivatives Optimistry Daily Test 42 Reflaction at plane surface; Bave of reflaction; Apparent depth; Total internal reflection; (critical angle); Shift due to a slab, Reflaction from spherical surfaces; Reflaction form Chemistry Daily Test 42 Reflaction reactions : Reduction to alcohols; reduction to hydrocarbons, Oxidation reactions is regulated as well as longitudina); Biodrom reaction; Beyer-Villeger oxidation, Physics Daily Test 43 Lenses; Lens - maker's formula; Lenses; Lens formula, Magnification of limage due to lens, Lens Constant; Displacement method. Densitry Daily Test 44 Power of a lens; Power of a combination of thin lenses in contact; Prism; Expression for deviation due to prism; Deviation due to thin prism; Deviation and HVZ reaction, Physics Daily Test 45 Dispersion and deviation due to prism; dispersive power; Optical Instruments; Simple microscope; Compound microscope; Telescope. Animes; Structure, Cassification, Preparation i reduction of nino compounds, cyanide; siocranide and annide; Physics Daily Test 45 Dispersion and deviatin due to prism; dispersive powe	Chemistry Daily Test 40	Aldehydes and Ketones : Introduction, Nomenclature and structure, Preparation of aldehydes and ketones from alcohols, hydrocarbons, acid halides cyanides, esters and carboxylic
Chemistry Daily Test 41 Physical properties of aldehydes and ketones, Chemical reactions – Nucleophilic addition of HCN, NaHSO3, Grignard's reagent, alcohols and ammonia derivatives Physics Daily Test 42 Refraction at plane surface, laws of refraction; Apparent depth; Total internal reflection; (critical angle); Shift due to a slab, Refraction from spherical surfaces; Refraction from Physics Daily Test 42 Reduction reactions : Reduction to alcohols; reduction to hydrocarbons, Oxidation reactions by Toller's reagent and Fehling solution; Haloform reaction; Baeyer-Villeger oxidation, Physics Daily Test 43 Lenses; Lens - maker's formula, lenses; Lens formula, Magnification of image due to lens, Lens Constant; Displacement method. Reaction due to a-hydrogen : Aldol condensation; Cannizzaro reaction Electrophilic substitution of aromatic carbonyl compounds, Perkin Premistry Daily Test 43 Reaction and evaluation of thin lenses in contact; Prism; Expression for deviation due to prism; Deviation due to thin prism; Chemistry Daily Test 44 Chemical reactions : Acidic strength, formation of acid halides, esters, anhydrides and amides; Decarboxylation and HVZ reaction, Physics Daily Test 45 Dispersion and deviation due to prism, dispersive power; Optical Instruments; Simple microscope; Compound microscope; Telescope. Chemistry Daily Test 45 Dispersion and deviation, Preparation and properties of acid halides, anhydrides, socyanides and amides; Gabriel phthalimide synthes; Shoffman bornamide reaction, Physical properties Chencilal reaccons of flates, scondard, tetritay alighatic and ar	Mathematics Daily Test 40	
Internet Uaily Test 41 Refraction at plane surface, laws of refraction; Apparent depth; Total internal reflection; (critical angle); Shift due to a slab, Refraction from spherical surfaces; Refraction from Internistry Daily Test 42 Refraction reactions : Reduction to alcohols; reduction to hydrocarbons, Oxidation reactions by Tollen's reagent and Fehling solution; Haloform reaction; Baeyer-Villeger oxidation, Physics Daily Test 43 Lenses; Lens - maker's formula; Lenses; Lens formula, Magnification of image due to lens, Lens Constant.; Displacement method. Reaction due to a-hydrogen : Aldol condensation; Cannizzaro reaction Electrophilic substitution of aromatic carbonyl compounds, Perkin Reaction due to a-hydrogen : Aldol condensation; Cannizzaro reaction Electrophilic substitution of aromatic carbonyl compounds, Perkin Power of a lens; Power of a combination of thin lenses in contact; Prism; Expression for deviation due to thin prism; Chemistry Daily Test 44 Power of a lens; Power of a combination of thin lenses in contact; Prism; Expression for deviation due to prism; Deviation of acrboxylic acids. Physics Daily Test 45 Dispersion and deviation due to prism, dispersive power; Optical Instruments; Simple microscope; Compound microscope; Telescope. Derivatives of carboxylic acid : Preparation and properties of acid halides, anhydrides, seters and amides; Deariel phthalimide hysics Daily Test 45 Dispersion and deviation due to prism; Dispersical properties of acid halides, anhydrides, slocyanides and amides; Daries Labe	Physics Daily Test 41	Reflection from curved surface; spherical Mirror equation; (graph); Magnification; (lateral as well as longitudinal); speed of image.
Internistry Daily Test 42 Reduction reactions : Reduction to alcohols; reduction to hydrocarbons, Oxidation reactions by Tollen's reagent and Fehing solution; Haloform reaction; Baeyer-Villeger oxidation, Physics Daily Test 43 Lenses; Lens - maker's formula; Lenses; Lens formula, Magnification of image due to lens, Lens Constant; Displacement method. Physics Daily Test 43 Reaction due to a-hydrogen : Aldoi condensation; Cannizzaro reaction Electrophilic substitution of aromatic carbonyl compounds, Perkin Physics Daily Test 44 Power of a lens; Power of a combination of thin lenses in contact; Prism; Expression for deviation due to prism; Deviation due to thin prism; Chemistry Daily Test 45 Dispersion and deviation due to prism, dispersive power; Optical Instruments; Simple microscope; Compound microscope; Telescope. Derivatives of carboxylic acid : Preparation and properties of acid halides, anhydrides, esters and amides Wave Optics; Concept of wavefront and ray; Hugger's construction; Explanation of laws of reflection and refraction; Coherent and Inchorent source of light, Interference of light – Interistry Daily Test 45 Diffraction, Resolving power of optical instruments, validity of ray optics, Volarization, Intensity of transmitted light, Law of Malus, Brewster's Law Physics Daily Test 43 Diffraction, Resolving power of optical instruments, validity of ray optics, Polarization, Intensity of transmitted light, Law of Malus, Brewster's Law Physics Daily Test 47 Diffraction, Resolving power of optical instruments, validity of ray optics, Polaritis substi	Chemistry Daily Test 41	Physical properties of aldehydes and ketones, Chemical reactions – Nucleophilic addition of HCN, NaHSO3, Grignard's reagent, alcohols and ammonia derivatives
Internetive Uaily Test 42 Lenses; Lens - maker's formula; Lenses; Lens formula, Magnification of image due to lens, Lens Constant; Displacement method. Physics Daily Test 43 Lenses; Lens - maker's formula; Lenses; Lens formula, Magnification of image due to lens, Lens Constant; Displacement method. Phemistry Daily Test 43 Reaction due to a-hydrogen : Aldol condensation; Cannizzaro reaction Electrophilic substitution of aromatic carbonyl compounds, Perkin reaction, Phnacol – Pinnacolone rearrangement, Beckmann rearrangement, Craboxylic acids: Nomenclature and structure of carboxyl group, Preparation of carboxylic acids, Physics Daily Test 44 Physics Daily Test 45 Dispersion and deviation due to prism, dispersive power; Optical Instruments; Simple microscope; Compound microscope; Telescope. Physics Daily Test 45 Dispersion and deviation due to prism, dispersive power; Optical Instruments; Simple microscope; Compound microscope; Telescope. Physics Daily Test 46 Wave Optics; Concept of wavefront and ray; Huyger's construction; Explanation of laws of reflection and refraction; Coherent and Inchorent source of light, Interference of light – Amines : Structure; Olassification, Preparation : Reduction of nitro construction; explanation in firmacy, secondary, tertiary allohatic and aromatic amines; Physics Daily Test 47 Diffraction, Resolving power of optical instruments, validity of ray optics, Polarization, Intensity of transmitted light, Law of Malus, Brewster's Law Physics Daily Test 49 Diffraction, Gausonium salts, Coupling reaction with HNO2, Hinsberge test Electrophilic substitution of aromatic amines; Diazonium salts, Prepara	Physics Daily Test 42	Refraction at plane surface, laws of refraction; Apparent depth; Total internal reflection; (critical angle); Shift due to a slab, Refraction from spherical surfaces; Refraction from
Chemistry Daily Test 43 Reaction due to a-hydrogen : Aldol condensation; Cannizzaro reaction Electrophilic substitution of aromatic carbonyl compounds, Perkin reaction, Pinnacol – Pinnacolone rearrangement, Beckmann rearrangement, Carboxylic acids : Nomenclature and structure of carboxyl aroup, Preparation of carboxylic acids, Physics Daily Test 44 Power of a lens; Power of a combination of thin lenses in contact; Prism; Expression for deviation due to thin prism; Chemistry Daily Test 44 Chemical reactions : Acidic strength, formation of acid halides, esters, anhydrides and amides; Decarboxylation and HVZ reaction, Physics Daily Test 45 Dispersion and deviation due to prism, dispersive power; Optical Instruments; Simple microscope; Compound microscope; Telescope. Chemistry Daily Test 46 Wave Optics; Concept of wavefront and ray; Huygen's construction; Explanation of laws of reflection and refraction; Coherent and Inchorent source of light, Interference of light – Chemistry Daily Test 46 Physics Daily Test 47 Diffraction, Resolving power of o potcal instruments, validity of ray optics, Polarization, Intensity of transmitted light, Law of Malus, Brewster's Law Chemistry Daily Test 47 Diffraction, Resolving power of optical instruments, validity of ray optics, Polarization, Intensity of biling normalic and aromatic amines; Diffraction, Resolving power of optical instruments, validity of ray optics, Polarization, Intensity of transmitted light, Law of Malus, Brewster's Law Diffraction, Resolving power of optical instruments, validity of ray optics, Polarization, Intensity of bilingent); Substata and chemical reactions of diazomium salts, Couplin	Chemistry Daily Test 42	Reduction reactions : Reduction to alcohols; reduction to hydrocarbons, Oxidation reactions by Tollen's reagent and Fehling solution; Haloform reaction; Baeyer-Villeger oxidation,
Inferitory Uaily 1est 43 reaction, Pinnacolone rearrangement, Beckmann rearrangement, Carboxylic acids : Nomenclature and structure of carboxyl group, Preparation of carboxylic acids, Physics Daily Test 44 Physics Daily Test 44 Power of a lens; Power of a combination of thin lenses in contact; Prism; Expression for deviation due to prism; Deviation due to thin prism; Chemistry Daily Test 44 Dispersion and deviation due to prism, dispersive power; Optical Instruments; Simple microscope; Compound microscope; Telescope. Derivatives of carboxylic acid : Preparation and properties of acid halides, anhydrides, esters and amides; Physics Daily Test 45 Derivatives of carboxylic acid : Preparation and properties of acid halides, anhydrides, esters and amides; Physics Daily Test 46 Wave Optics; Concept of wavefront and ray; Huygen's construction; Explanation of laws of reflection and refraction; Coherent and Inchorent source of light, Interference of light – Amines : Structure, Classification, Preparation : Reduction of nitro compounds, cyanides, Isocyanides and amides; Gabriel phthalimide synthesis; Hoffman bromamide reaction, Physical properties Chemical reactions : Easic character of primary, secondary, tertiary aliphatic and aromatic amines; Physics Daily Test 47 Physics Daily Test 48 Dual Nature of relation and Matter; Photoelectric effect; Radiation pressures; (Wehn light Flats flats) Physics Daily Test 49 Atomic structure; Bohr's model; Line spectra of hydrogen atom, Atomic excitation due to collision, X-rays; Characteristic and continuous X-rays; Minimum wavelength of continuous Chemistry Daily Test 49 Atomic str	Physics Daily Test 43	Lenses; Lens - maker's formula; Lenses; Lens formula, Magnification of image due to lens, Lens Constant.; Displacement method.
Prescon, Primacol – Primacolone rearrangement, Carboxylic adds : Nomenclature and structure of carboxyli group, Preparation of carboxylic adds, Presson for devision due to thin prism; Prysics Daily Test 44 Power of a lens; Power of a combination of thin lenses in contact; Prism; Expression for devision due to thin prism; Previation due to thin prism; Physics Daily Test 44 Despersion and deviation due to prism, dispersive power; Optical Instruments; Simple microscope; Compound microscope; Telescope. Physics Daily Test 45 Dispersion and deviation due to prism, dispersive power; Optical Instruments; Simple microscope; Compound microscope; Telescope. Physics Daily Test 46 Wave Optics; Concept of wavefront and ray; Huygen's construction; Explanation of laws of reflection and refraction; Coherent and Inchorent source of light, Interference of light – Themistry Daily Test 46 Physics Daily Test 47 Oiffraction, Resolving power of optical instruments, validity of ray optics, Polarization, Intensity of transmitted light, Law of Malus, Brewster's Law Physics Daily Test 47 Diffraction, Resolving power of optical instruments, validity of ray optics, Polarization, Intensity of transmitted light, Law of Malus, Brewster's Law Physics Daily Test 48 Dual Nature of radation and Matter, Photoelectric effect; Radiation pressures; (when light falls normally / obliquely); Matter - waves and de-Broglie wave-length ; Davisson – Chemistry Daily Test 48 Dual Nature of radation and Matter, Photoelectric effect; Radiation pressures; (when light falls normally / obliquely); Matter - waves and de-Broglie	Chemistry Daily Test 43	
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	Physics Daily Test 52	and its necessity, Amplitude modulation, Different Experiments based on vernier callipers, Screw Gauge, Determination of Young's modulus by searl's method and determination of focal length.