



Aakash



➤ Joint Package Schedule (For Class X Students 2023-24)

Study Material & Test Package Section A

No.	Dispatch Date	Day	Details
1.	17-Apr-2023	Monday	Module-1: Sc: Physics (Ch 1 to 5), Chem. (Ch 1 to 3), Bio. (Ch 1 to 3), Maths - (Ch 1 to 9) Module: Social Science Module: Comprehensive English Language Module: Mental Ability & Logical Reasoning Supplement : Fast Track & Trickopedia (PCM) Micro-assignment Previous year Questions of NTSE (Class X) Previous year Questions of NTSE (Class IX)
2.	29-May-2023	Monday	Subjective Test No. 1: For Sc [P(Ch 1 & 2), C(Ch 1 & 2), B(Ch 1)] & M(Ch 1 to 5) each Solutions of Module-1: Sc: Physics (Ch 1 to 5), Chem. (Ch 1 to 3), Bio. (Ch 1 to 3), Maths - (Ch 1 to 9)
3.	17-Jul-2023	Monday	Module-2: Chemistry (Ch 4 & 5), Bio. (Ch 4 to 6), Maths - (Ch 10 to 15) NTSE Stage I Test 1 & 2 Subjective Test No. 2 : For Sc [P(Ch 3), C(Ch 3), B(Ch 2 & 3)] & M(Ch 6 to 9) each with Solutions of Subjective Test No.1
4.	07-Aug-2023	Monday	Subjective Test No. 3 & 4 on Complete Syllabus of Module-1 (C, B, M each) & P (Ch 1 to 3) with Solutions of Subjective Test No. 2 Special Assignments & Practice Tests for Olympiads on Module-1 (C, B, M each) and P (Ch 1 to 3) with Hints & Solutions NTSE Stage I Test 3 & 4
5.	04-Sep-2023	Monday	Subjective Test No. 5: For Sc [P(Ch 4), C(Ch 4), B(Ch 4,5)] & M(Ch 10, 12 & 13) each with Solutions of Subjective Test No.3 & 4 Solutions of Module-2: Chemistry (Ch 4 & 5), Bio. (Ch 4 to 6), Maths - (Ch 10 to 15) NTSE Stage I Test 5 & 6
6.	09-Oct-2023	Monday	Subjective Test No. 6: For C, B & M each on Complete Syllabus of Module-2, For [Physics : (Ch- 4)] with Solutions of Subjective Test No.5 Special Assignments & Practice Tests for Olympiads on Module-2 (C, B, M each) & P (Ch 4 & 5) with Hints & Solutions Olympiad Test No.-1 based on Science Olympiad Syllabus with Hints & Solutions Olympiad Test No.-2 based on Mathematics Olympiad Syllabus with Hints & Solutions NTSE Stage I Test 7 & 8
7.	30-Oct-2023	Monday	Special Assignments & Practice Tests for Olympiads on Complete Syllabus with Hints & Solutions Olympiad Test No.-3 based on Science Olympiad Syllabus with Hints & Solutions Olympiad Test No.-4 based on Mathematics Olympiad Syllabus with Hints & Solutions NTSE Stage I Test No. 9 & 10
8.	04-Dec-2023	Monday	Subjective Test No. 7, 8, 9 & 10 (Sc & M each) on Complete Syllabus on board exam pattern with Solutions of Subjective Test No. 7, 8, 9 & 10

NOTE : Excluding the topics/chapters as prescribed by CBSE for session 2023-24

Ch-Chapter | Sc-Science | P-Physics | C-Chemistry | B-Biology | M-Mathematics |

S.Sc.-Social Science | Geo-Geography | His-History | Pol.Sc.-Political Science | Eco-Economics

This schedule is for academic year 2023-24 only | Next year schedule shall be intimated in April 2024



Aakash



➤ Online Test Schedule (For Class X Students 2023-24)

Test Package Section B

Test	Date	Day	TOPIC
UT-1	10-Jun-2023	Saturday	Physics : Light-Reflection and Refraction Chemistry : Chemical Reactions and Equations Maths : Real Number, Polynomials, Pair of Linear Equations in Two Variables
UT-2	15-Jul-2023	Saturday	Physics : Human Eye and Colourful World, Electricity Biology : Life Processes Maths : Quadratic Equations, Arithmetic Progressions
UT-3	12-Aug-2023	Saturday	Chemistry : Acids, Bases and Salts Biology : Control and Coordination Maths : Triangles, Coordinate Geometry
PT-1	16-Sep-2023	Saturday	For Science & Maths: Complete Syllabus of Module-1 (C, B, M each) & P (Ch 1 to 3)
UT-4	14-Oct-2023	Saturday	Physics : Electricity, Magnetic Effects of Electric Current Biology : Heredity and Evolution Maths : Circles
UT-5	28-Oct-2023	Saturday	Physics : Magnetic Effects of Electric Current Chemistry : Carbon and its Compounds (till IUPAC nomenclature) Maths : Areas Related to Circles, Surface Areas & Volumes
UT-6	11-Nov-2023	Saturday	Chemistry : Carbon and its Compounds (types of reactions onwards) Biology : Our Environment Maths : Statistics, Probability
PT-2	25-Nov-2023	Saturday	For Science & Maths : For C, B & M each on Complete Syllabus of Module-2, For [Physics : (Ch- 4)]
FST-1	09-Dec-2023	Saturday	Complete Syllabus
FST-2	26-Dec-2023	Tuesday	Complete Syllabus

UT- Unit Test | PT- Part Test | FST- Full Syllabus Test

NOTE : Excluding the topics/chapters as prescribed by CBSE for session 2023-24



➤ AIATS Schedule for Class X (Studying Students 2023-24)

AIATS (CBSE) Test Schedule for Class-X

Test No.	Subject	Test Date	Test Date Only for ONLINE Students	Syllabus
AIATS-Practice Test	Science, Maths & MAT	23rd Jul 2023		Physics: Light: Reflection and Refraction Chemistry: Chemical Reactions and Equations Biology: Life Processes Maths: Real Numbers (Excluding: Euclid's Division Lemma & Algorithm, Revisiting Rational Numbers and Their Decimal Expansions), Polynomials (Excluding: Cubic Polynomials, Division Algorithm of Polynomials), Pair of Linear Equations in Two Variables (Excluding: Cross-Multiplication Method, Equations Reducible to a Pair of Linear Equations in Two Variables), Quadratic Equations (Excluding: Completing Square method), Arithmetic Progressions MAT: Number Series, Alphabetical Series, Alphanumeric Series, Non-Verbal Series, (Verbal and Non-Verbal), Classification (Verbal and Non-Verbal), Direction Sense Test, Coding and Decoding
AIATS-1	Science, Maths & MAT	13th Aug 2023	13th to 15th Aug 10 AM (Sun) to 10 AM (Tue)	PCMB: Syllabus of Practice test MAT: Syllabus of Practice test
AIATS-2	Science, Maths & MAT	29th Oct / 5th Nov 2023	5th to 7th Nov 10 AM (Sun) to 10 AM (Tue)	Physics: Light: Reflection and Refraction, Human Eye and Colourful World, Electricity Chemistry: Chemical Reactions and Equations, Acids, Bases and Salts, Metals and Non-metals Biology: Life Processes, Control and Coordination, How do Organisms Reproduce Maths: Real Numbers (Excluding: Euclid's Division Lemma & Algorithm, Revisiting Rational Numbers and Their Decimal Expansions), Polynomials (Excluding: Cubic Polynomials, Division Algorithm of Polynomials), Pair of Linear Equations in Two Variables (Excluding: Cross-Multiplication Method, Equations Reducible to a Pair of Linear Equations in Two Variables), Quadratic Equations (Excluding: Completing Square method), Arithmetic Progressions, Triangles(Excluding : Areas of Similar Triangles, pythagoras Theorem), Coordinate Geometry (Excluding : Area of Triangle), Introduction to Trigonometry(Excluding: Trigonometric ratios of complementary angles), Some Applications of Trigonometry MAT: Blood Relation, Venn diagram, Syllogism, Mathematical operations, Number and Alphabet Test, Diagrammatic puzzles, Ranking Test , Analytical



➤ AIATS Schedule for Class X (Studying Students 2023-24)

AIATS (CBSE) Test Schedule for Class-X

Test No.	Subject	Test Date	Test Date Only for ONLINE Students	Syllabus
AIATS-3	Science, Maths & MAT	3rd Dec 2023	3rd to 5th Dec 10 AM (Sun) to 10 AM (Tue)	Physics: Electricity Chemistry: Metals and Non-metals, Carbon and its Compounds (till IUPAC nomenclature of carbon compounds) Biology: How do Organisms Reproduce, Heredity and Evolution(Excluding Evolution) Maths: Introduction to Trigonometry(Excluding: Trigonometric ratios of complementary angles), Some Applications of Trigonometry, Circles, Areas Related to Circles (Excluding: Areas of Combination of Plane Figures) MAT: Complete Syllabus
AIATS-4	Science, Maths & MAT	7th Jan 2024	7th to 9th Jan 10 AM (Sun) to 10 AM (Tue)	Physics: Magnetic Effects of Electric Current(Excluding Electric Motor, EMI, Electric Generator) Chemistry: Carbon and Its Compounds Biology: Heredity and Evolution(Excluding Evolution), Our Environment Maths: Circles, Areas Related to Circles (Excluding: Areas of Combination of Plane Figures), Surface Areas and Volumes(Excluding: Conversions of Solids, Curved Surface Area, Total Surface Area & Volume of Frustum of Cone), Statistics (Excluding: Graphical Representation of Cumulative Frequency Distribution), Probability MAT: Complete syllabus
AIATS-5	Science, Maths & MAT	4th Feb 2024	4th to 6th Feb 10 AM (Sun) to 10 AM (Tue)	Complete Syllabus (Excluding the topics/chapters as prescribed by CBSE for session 2023-24)

Note: Exam Type: Objective

CLASS-X

DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
MAT Daily Test 1	Number Series: Verbal
Mathematics Daily Test 1	Real Numbers: Introduction of Real Numbers; Euclid's division Lemma
Science Daily Test 1	Physics: LIGHT: REFLECTION AND REFRACTION: Properties of Light; Propagation of Light; Reflection of Light; Laws of Reflection, Reflection at Plane Surfaces; Numericals Chemistry: CHEMICAL REACTIONS AND EQUATIONS: Chemical Reactions; Types of changes; Physical change; Chemical change; Chemical Equation; Essentials of chemical equation; Steps for writing a chemical equation Biology: LIFE PROCESSES: What are Life Processes?, Nutrition, Mode of Nutrition, Autotrophic Nutrition
Eng + SSt Daily Test 1	English: Reading Comprehension: Reading Passages; Introduction to methods of reading; Types of Passages; Types of Questions; Reading Poetry; Poetic devices SSt: Geography, Ch1: Resources and Development: Meaning Of Resources, Types Of Resources, Development Of Resources, Sustainable Development, Resource Planning, Resource Planning In India, Conservation Of Resources, Land Resources, Land Utilization, Land Use Pattern In India, Land Degradation And Conservation Measures, Soil As A Resource, Classification Of Soils, Soil Erosion And Soil Conservation
MAT Daily Test 2	(a) Alphabetical Series, (b) Alphanumeric Series
Mathematics Daily Test 2	REAL NUMBERS: Euclid's division algorithm, Problems discussion related to Euclid's division algorithm
Science Daily Test 2	Physics: LIGHT: REFLECTION AND REFRACTION: Spherical Mirrors; Reflection at Spherical Mirrors(Laws of Image Formation); Image Formation by a Concave Mirror; Image Formation by a Convex Mirror Chemistry: Balancing of chemical equation; Information conveyed by a chemical equation; Some Examples of Balancing a Chemical Equation; Types of a Chemical Equation; Combination reaction Biology: LIFE PROCESSES: Photosynthesis, Heterotrophic Nutrition, How do Organisms Obtain their Nutrition
Eng + SSt Daily Test 2	English: Determiners SSt: History, Ch5: The Age of Industrialization: Introduction, Before The Industrial Revolution, Hand Labour And Steam Power, Industrialization In The Colonies, Factories Come Up, The Peculiarities Of Industrial Growth, Market For Goods
MAT Daily Test 3	MAT: Number Series, Alphabetical Series & Alpha Numeric Series

CLASS-X

DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
Mathematics Daily Test 3	REAL NUMBERS: Fundamental theorem of arithmetic; Theorem related to fundamental theorem on arithmetic; Problems discussion
Science Daily Test 3	Physics: LIGHT: REFLECTION AND REFRACTION: Sign Convention for Reflection by Spherical Mirrors; Mirror Formula; Mirror Formula Derivation Chemistry: CHEMICAL REACTIONS AND EQUATIONS: Decomposition reaction; Thermal decomposition reaction; Photochemical decomposition; Electrolytic decomposition reaction; Displacement reaction Biology: LIFE PROCESSES: Human Alimentary Canal, Functions of Digestive System, Digestive Glands & the Functions of Digestive Enzymes, Salivary Glands, Gastric Glands
Eng + SSt Daily Test 3	English: Finites and Non-Finites SSt: Political Science, Ch1: Power Sharing: Belgium And Sri Lanka , Majoritarianism In Sri Lanka, Accommodation In Belgium, Forms Of Power Sharing
MAT Daily Test 4	Analogy
Mathematics Daily Test 4	REAL NUMBERS: Rational Numbers; Irrational numbers; Theorems related to rational numbers; Theorems related to irrational numbers
Science Daily Test 4	Physics: LIGHT: REFLECTION AND REFRACTION: Magnification; Magnification; Nature and Position of Images; Important Points about Spherical Mirrors; Uses of Spherical Mirrors; Numericals Chemistry: CHEMICAL REACTIONS AND EQUATIONS: Double displacement reaction; Polymerization reaction; Exothermic and Endothermic reaction; Precipitation reaction Biology: LIFE PROCESSES: Liver, Pancreas, Intestinal Glands, Absorption, Assimilation, Egestion
Eng + SSt Daily Test 4	English: Verb Agreement: Rules of subject – Verb agreement; Errors of Subject – Verb Agreement; Spotting the error; Sentence Improvement SSt: Economics, Ch1: Development: What Development Promises-Different People, Different Goals, Income And Other Goals, National Development, How To Compare Different Countries Or States?, Income And Other Criteria, Public Facilities, Sustainability Of Development
MAT Daily Test 5	Classification

CLASS-X

DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
Mathematics Daily Test 5	Revision Test
Science Daily Test 5	Physics: LIGHT: REFLECTION AND REFRACTION: Refraction of Light; Laws of Refraction; Absolute Refractive Index; Refractive Index of One Medium w.r.t. other (Relative Refractive Index); Numericals Chemistry: CHEMICAL REACTIONS AND EQUATIONS: Neutralization reaction; Spontaneous and non-spontaneous processes; Oxidation and Reduction reactions; Oxidizing agent; Reducing agent Biology: LIFE PROCESSES: Respiration, Aerobic Respiration, Anaerobic Respiration, Respiration in Animals
Eng + SSt Daily Test 5	English: Modals SSt: Geography, Ch2: Forest and Wildlife Resources: Introduction, Flora And Fauna In India, Classification Of Plant And Animal Species By IUCN, Causes Of Depletion Of Forests And Wildlife, Conservation Of Forest And Wildlife In India, Types And Distribution Of Forest And Wildlife Resources, Community And Conservation
MAT Daily Test 6	MAT: Number Series, Alphabetical Series & Alpha Numeric Series, Analogy
Mathematics Daily Test 6	Revision Test
Science Daily Test 6	Physics: LIGHT: REFLECTION AND REFRACTION: Condition for no Refraction; Apparent Depth of a Tank; Refraction Through a Rectangular Glass Slab; Numericals, Total Internal Reflection; Critical Angle; Conditions for Total Internal Reflection Chemistry: CHEMICAL REACTIONS AND EQUATIONS: Redox reaction; Oxidation number; Calculation of oxidation numbers of various elements Biology: LIFE PROCESSES: Human Respiratory System, Mechanism of Breathing
Eng + SSt Daily Test 6	English: Tenses SSt: Political Science, Ch2: Federalism: What Is Federalism?, What Makes India A Federal Country?, How Is Federalism Practiced?, Decentralisation In India
MAT Daily Test 7	Direction Sense Test

CLASS-X

DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
Mathematics Daily Test 7	POLYNOMIALS: Introduction; Types of polynomials; Degree of the polynomial; Zeroes of the polynomial; Geometrical meaning of zeroes of a polynomial
Science Daily Test 7	Physics: LIGHT: REFLECTION AND REFRACTION: Spherical Lenses; Refraction by Spherical Lenses; Laws of Image Formation by Spherical Lenses; Sign Convention; Lens Formula; Magnification Produced by a Lens Chemistry: CHEMICAL REACTIONS AND EQUATIONS: Effect of Oxidation in Everyday Life; Corrosion; Rancidity Biology: LIFE PROCESSES: Respiration in Plants, Transportation in Plants
Eng + SSt Daily Test 7	English: Conditionals SSt: Geography, Ch3: Water Resources: Introduction, Water Scarcity And The Need For Water Conservation And Management, Multi-Purpose River Projects And Integrated Water Resources Management, Rainwater Harvesting
MAT Daily Test 8	MAT: Number Series, Alphabetical Series & Alpha Numeric Series, Classification, Direction Sense Test
Mathematics Daily Test 8	POLYNOMIALS: Relationship between zeroes and coefficients of (a) quadratic (b) cubic polynomials; How to find unknown coefficients when relation between zeroes and coefficients is given
Science Daily Test 8	Physics: LIGHT: REFLECTION AND REFRACTION: Power of a Lens; Power and Focal Length of the Combination of Lenses; Numericals; Application in Daily Life Chemistry: ACIDS, BASES AND SALTS: Acids; Arrhenius concept of acids and bases; Classification of Acids; Depending on strength; Depending on the sources; Depending on concentration; Depending on molecular composition; Depending on basicity Biology: LIFE PROCESSES: Transportation in Human Beings, Blood
Eng + SSt Daily Test 8	English: Voice change SSt: Political Science, Ch3: Democracy and Diversity: A Story From Mexico Olympics, Differences, Similarities, Divisions, Politics Of Social Divisions
MAT Daily Test 9	Coding Decoding
Mathematics Daily Test 9	POLYNOMIALS: Division algorithm for polynomials with real coefficients

DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
Science Daily Test 9	<p>Physics: HUMAN EYE AND COLOURFUL WORLD: The Human Eye; Parts of Human Eye; Working of Ciliary Muscles; Power of Accommodation; Working of the Eye; Defects of Vision; Myopia(Short Sightedness or Near Sightedness); Hypermetropia or Hyperopia (Long Sightedness or Farsightedness); Presbyopia; Astigmatism; Cataract</p> <p>Chemistry: ACIDS, BASES AND SALTS: Preparation of Acids; By direct combination; By double displacement; By the reaction of acidic oxide with water; By oxidation of non-metals; Properties of Acids; Physical properties of Acids</p> <p>Biology: LIFE PROCESSES: Human Circulatory System, Human Heart, Lymphatic System</p>
Eng + SSt Daily Test 9	<p>English: Reported speech</p> <p>SSt: Geography, Ch4: Agriculture: Introduction, Types Of Farming, Primitive Subsistence Farming, Intensive Subsistence Farming, Commercial Farming, Cropping Pattern-Rabi, Kharif, Zaid, Major Crops-Rice, Wheat, Millets, Maize, Pulses, Food Crops Other Than Grains-Sugarcane, Oilseeds, Tea, Coffee, Horticulture Crops, Non-Food Crops-Rubber, Fibre Crops-Cotton And Jute, Technological And Institutional Reforms, Bhodan-Gramdan, Contribution Of Agriculture To The National Economy, Employment And Output, Food Security, Impact Of Globalization On Agriculture</p>
MAT Daily Test 10	Blood Relation
Mathematics Daily Test 10	Maths: Polynomials
Science Daily Test 10	<p>Physics: HUMAN EYE AND COLOURFUL WORLD: Persistence of Vision; Refraction of Light Through a Prism; Dispersion of White Light by Glass Prism; Rainbow; Atmospheric Refraction; Twinkling of Stars; Oval Shape of the Sun in the Morning; Duration of Sun's Visibility; Scattering of Light; Tyndall Effect; Blue Colour of Sky; Reddish Colour of Sun at the Time of Sunrise and Sunset</p> <p>Chemistry: ACIDS, BASES AND SALTS: Chemical properties of acids; Uses of Acids; All the compounds containing hydrogen are not acids; Acids do not show acidic behaviour in the absence of water</p> <p>Biology: LIFE PROCESSES: Excretion in Human Beings, Human Excretory System, Nephron , Mechanism of Excretion, Excretion in Plants</p>
Eng + SSt Daily Test 10	<p>English: Prepositions</p> <p>SSt: History, Ch7: Print Culture and the Modern World: Introduction, The First Printed Books, Print Comes To Europe, The Print Revolution And Its Impact, The Reading Mania, The Nineteenth Century, India And The World Of Printing, Religious Reform And Public Debates, New Forms Of Publication, Print And Censorship</p>
MAT Daily Test 11	MAT: Alphabetical Series & Alpha Numeric Series, Analogy, Classification, Direction Sense Test, Blood Relation

DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
Mathematics Daily Test 11	PAIR OF LINEAR EQUATIONS IN TWO VARIABLES: Introduction; Linear equation in two variables (consistent and inconsistent system); Geometrical representation of a pair of linear equations; System of equations representing intersecting lines; System of equations representing parallel lines; System of equations representing coincident lines; Solution of simultaneous equations by graphical method
Science Daily Test 11	Physics: HUMAN EYE AND COLOURFUL WORLD: Additional Information; Colour Detection; Critical Angle; Total Internal Reflection; Essential Conditions for T I R Chemistry: ACIDS, BASES AND SALTS: Bases Biology: CONTROL AND COORDINATION IN ANIMALS AND PLANTS: Control and Coordination in Animals, Nervous System
Eng + SSt Daily Test 11	English: Connectors SSt: Political Science, Ch4: Gender Religion and Caste: Gender And Politics, Religion, Communalism And Politics, Caste And Politics
MAT Daily Test 12	Venn Diagram
Mathematics Daily Test 12	PAIR OF LINEAR EQUATIONS IN TWO VARIABLES: Solution of simultaneous equations by algebraic method; Substitution method; Elimination method
Science Daily Test 12	Physics: HUMAN EYE AND COLOURFUL WORLD: Application of Total Internal Reflection (T I R); The Brilliance of Diamond; Mirage; Totally Reflecting Glass Prisms; Optical Fibres and their Uses; Shining of Air Bubbles Chemistry: ACIDS, BASES AND SALTS: Classification of Bases; Depending on strength; Depending on concentration; Depending on acidity; Preparation of Bases; Properties of Bases; Physical properties of Bases; Chemical properties of Bases; Uses of Bases; Reactivity of Acids and Bases; Uses of Neutralization Biology: CONTROL AND COORDINATION IN ANIMALS AND PLANTS: Neuron, Generation and Conduction of Nerve Impulse, Synapse, Neuromuscular Junction
Eng + SSt Daily Test 12	English: Relatives SSt: Economics, Ch2: Sectors of the Indian Economy: Sectors Of Economic Activities, Comparing The Three Sectors, Primary, Secondary And Tertiary Sectors In India, Division Of Sectors As Organized And Unorganized, Sectors In Terms Of Ownership: Public And Private Sectors

CLASS-X

DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
MAT Daily Test 13	MAT: Venn Diagram, Coding and Decoding
Mathematics Daily Test 13	PAIR OF LINEAR EQUATIONS IN TWO VARIABLES: Cross multiplication method; Solving a system of equations which can be reduced a system of simultaneous linear equations; Conditions for solvability
Science Daily Test 13	Physics: Revision Test (Light: Reflection and Refraction) Chemistry: ACIDS, BASES AND SALTS: Indicator; Strength of Acids and Bases; pH; Uses of pH value; Numericals Biology: CONTROL AND COORDINATION IN ANIMALS AND PLANTS: Receptors, Reflex Action, Mechanism of Reflex Action, Why Reflex Arcs have evolved in Animals?
Eng + SSt Daily Test 13	English: Comparison and Nominalisation SSt: Geography, Ch5: Minerals and Energy Resources: What Is A Mineral?, Classification Of Minerals, Mode Of Occurrence Of Minerals, Metallic Minerals, Ferrous Minerals-Iron, Manganese, Non-Ferrous Minerals-Copper, Bauxite And Aluminium, Non-Metallic Minerals-Mica, Rock Minerals-Limestone, Conservation Of Minerals, Energy Resources, Conventional Sources Of Energy-Coal, Petroleum, Natural Gas, Electricity(Hydro And Thermal), Non-Conventional Sources Of Energy-Nuclear Or Atomic Energy, Solar Energy, Wind Power, Biogas, Tidal Energy, Geo Thermal Energy, Conservation Of Energy Resources
MAT Daily Test 14	MAT: Alphabetical Series & Alpha Numeric Series, Analogy, Direction Sense Test
Mathematics Daily Test 14	PAIR OF LINEAR EQUATIONS IN TWO VARIABLES: Applications of practical problems
Science Daily Test 14	Physics: Revision Test (HUMAN EYE AND COLOURFUL WORLD) Chemistry: ACIDS, BASES AND SALTS: Salts; Nomenclature of salts; Family of salts; Classification of salts; Preparation of salts: Preparation of soluble salts; Preparation of insoluble salts; Properties of salts Biology: CONTROL AND COORDINATION IN ANIMALS AND PLANTS: Human Nervous System, Central Nervous System , Peripheral Nervous System
Eng + SSt Daily Test 14	English: Comparison & Nominalisation SSt: History, Ch2: The Nationalist Movement in Indo-China: Introduction, Emerging From The Shadow Of China, The Dilemma Of Colonial Education, Hygiene, Disease And Everyday Resistance, Religion And Anti-Colonialism, The Vision Of Modernization, The Communist Movement And Vietnamese Nationalism, The Nation And Its Heroes, The End Of The War

CLASS-X

DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
MAT Daily Test 15	MAT: Venn Diagram, Coding and Decoding, Direction Sense Test, Blood Relation
Mathematics Daily Test 15	Revision Test (Pair of Linear Equations in two variables)
Science Daily Test 15	Physics: ELECTRIC CURRENT AND ITS EFFECTS: Introduction, Electric Charge, Properties of Electric Charge, Quantization of Charge, Conservation of Charge, Invariance of charge, Coulomb's Law & numericals, Conductors and Insulators, Electric Current Chemistry: ACIDS, BASES AND SALTS: Some Important Salts; Sodium chloride; Bleaching powder, Washing soda; Water of crystallization; Baking soda; Plaster of Paris; Lime Biology: CONTROL AND COORDINATION IN ANIMALS AND PLANTS: Endocrine System, Hormones in Animals, General Properties of Hormones, Hypothalamus, Pituitary Gland
Eng + SSt Daily Test 15	English: Sentence Rearrangement SSt: Political Science, Ch5: Popular Struggles and Movements: Popular Struggles In Nepal And Bolivia, Mobilisation And Organizations, Pressure Groups And Movements
MAT Daily Test 16	Syllogism, Venn diagram
Mathematics Daily Test 16	Revision Test (Pair of Linear Equations in two variables)
Science Daily Test 16	Physics: ELECTRIC CURRENT AND ITS EFFECTS: Electric Potential and potential Difference, Flow of Charge, Common Measuring Instruments, Ohm's Law, Resistance and Resistivity Chemistry: METALS AND NON-METALS: Metals; Occurrence of metals; Physical properties of metals; Activity series of metals, Characteristics regarding activity series of metals Biology: CONTROL AND COORDINATION IN ANIMALS AND PLANTS: Thyroid Gland, Parathyroid Glands, Adrenal Glands, Pancreas and Gonads, Pineal Gland, Homeostasis
Eng + SSt Daily Test 16	English: Gap-Filling SSt: Economics, Ch3: Money and Credit: Money As A Medium Of Exchange, Modern Forms Of Money, Loan Activities Of Banks, Two Different Credit Situations, Terms Of Credit, Formal Sector Credit In India, Self-Help Groups For The Poor
MAT Daily Test 17	Venn Diagram, Mathematical Operations

CLASS-X

DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
Mathematics Daily Test 17	QUADRATIC EQUATIONS: Introduction; Quadratic equations and its roots; Methods for solving quadratic equation; Factorization
Science Daily Test 17	Physics: ELECTRIC CURRENT AND ITS EFFECTS: Factors Affecting Resistance, Numericals, Electrical Circuits, Active Elements, Passive Elements, Circuit Symbols Chemistry: METALS AND NON-METALS: Chemical properties of metals; Reaction of metals with oxygen; Reaction of metals with water; Reaction of metals with dilute acids, Reaction of metals with salt solution; Reaction of metals with chlorine; Reaction of metals with hydrogen; Uses of metals Biology: CONTROL AND COORDINATION IN ANIMALS AND PLANTS: Coordination in Plants, Nastic Movements, Tropic Movements
Eng + SSt Daily Test 17	English: Editing & Omission: Most common errors, Types of questions SSt: Geography, Ch6: Manufacturing Industries: Meaning Of Manufacturing, Importance Of Manufacturing, Contribution Of Industry To National Economy, Industrial Location, Classification Of Industries, Agro Based Industries, Mineral Based Industries, Industrial Pollution And Environmental Degradation, Control Of Environmental Degradation
MAT Daily Test 18	MAT: Classification, Venn Diagram, Analogy, Direction Sense Test, Blood Relation
Mathematics Daily Test 18	QUADRATIC EQUATIONS: Completing the square; Nature of roots; Framing a quadratic equation
Science Daily Test 18	Physics: ELECTRIC CURRENT AND ITS EFFECTS: Combination of Resistances, Series Combination, Equivalent Resistance in Series Combination, Numericals Chemistry: METALS AND NON-METALS: Non-Metals; Occurrence of non-metals; Physical properties of non-metals; Chemical properties of non-metals; Reaction of non-metals with oxygen; Reaction of non-metals with water; Reaction of non-metals with dilute acids; Reaction of non-metals with salt solutions; Reaction of non-metals with chlorine; Reaction of non-metals with hydrogen; Uses of non-metals Biology: CONTROL AND COORDINATION IN ANIMALS AND PLANTS: Plant Hormones, Auxin, Gibberellin, Cytokinin, Absciscic Acid, Ethylene
Eng + SSt Daily Test 18	English: Editing-Omission SSt: Political Science, Ch6: Political Parties: Why Do We Need Political Parties?, How Many Parties Should We Have?, Popular Participation In Political Parties, National Political Parties, State Parties, Challenges To Political Parties, How Can Parties Be Reformed?

CLASS-X

DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
MAT Daily Test 19	MAT: Number Series, Alphabetical Series & Alpha Numeric Series, Direction Sense Test, Coding and Decoding, Blood Relations, Venn Diagram
Mathematics Daily Test 19	QUADRATIC EQUATIONS: Procedure to solve word problems
Science Daily Test 19	Physics: ELECTRIC CURRENT AND ITS EFFECTS: Parallel Combination, Equivalent Resistance in Parallel Combination, Numericals, Advanced Numericals based on Combinations of Resistances Chemistry: METALS AND NON-METALS: Comparative study of Metals and Non-metals Biology: HOW DO ORGANISMS REPRODUCE: Introduction, Life span, Do organisms create exact copies of themselves?, Modes of reproduction, Asexual Reproduction, Fission- Binary fission and Multiple fission
Eng + SSt Daily Test 19	English: Vocabulary: Synonyms, Antonyms & One word substitution SSt: Economics, Ch4: Globalisation and the Indian Economy: Introduction, Production Across Countries, Interlinking Production Across Countries, Foreign Trade And Integration Of Markets, What Is Globalisation?, Factors That Have Enabled Globalization, World Trade Organisation, Impact Of Globalisation In India, The Struggle For A Fair Globalisation
MAT Daily Test 20	Calendar & Clock
Mathematics Daily Test 20	Revision Test (Quadratic Equations)
Science Daily Test 20	Physics: ELECTRIC CURRENT AND ITS EFFECTS: Heating Effect of Current, Electric Power, Numericals Chemistry: METALS AND NON-METALS: Interaction in Metals and Non-Metals; Chemical bond; Causes of chemical bond formation; Types of chemical bonds; Ionic Bond; Examples of ionic bond; Nature and structure of ionic compounds; Characteristics of ionic compounds; Covalent Bond; Examples of covalent bond; Types of covalent bonds; Characteristics of covalent compounds; Octet rule Biology: HOW DO ORGANISMS REPRODUCE?: -Fragmentation, Regeneration, Budding, Spore formation, Vegetative propagation, Advantages of vegetative propagation
Eng + SSt Daily Test 20	English: Revision Test SSt: Geography, Ch7: Lifelines of National Economy: Introduction, Importance Of Transport, Transport, Roadways, Classification , Road Density, Railways, Pipelines, Waterways, Major Sea Ports, Airways, Communication, International Trade, Tourism As A Trade

DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
MAT Daily Test 21	MAT: Raking Test, Calender & Clock, Analytical Reasoning, Diagramatic Puzzles
Mathematics Daily Test 21	ARITHMETIC PROGRESSIONS: Introduction; Sequence and series; Sequence; Terms of a sequence; Finite and infinite sequences; Representation of a sequence; Progression; Series; Arithmetic Progressions; nth term of an arithmetic progression
Science Daily Test 21	Physics: ELECTRIC CURRENT AND ITS EFFECTS: Grouping of Cells, Wheat Stone Bridge (Balanced condition only) Chemistry: METALS AND NON-METALS: Comparative Study of Properties of Ionic and covalent compounds; Metals in Nature; Metallurgy; Mining of ore; Sizing of ore; Concentration of ore Biology: HOW DO ORGANISMS REPRODUCE?: -Micropropagation and its advantages, Sexual Reproduction, Sexual reproduction in flowering plants
Eng + SSt Daily Test 21	English: Revision Test SSt: History, Ch3: Nationalism in India: Introduction, The First World War, Khilafat And Non-Cooperation, Differing Strands Within The Movement, Towards Civil Disobedience, The Sense Of Collective Belonging
MAT Daily Test 22	MAT: Coding and Decoding, Alphabetical Series & Alpha Numeric Series, Analogy, Direction Sense Test
Mathematics Daily Test 22	ARITHMETIC PROGRESSIONS: Sum of n terms of an arithmetic progression; Applications of arithmetic progressions
Science Daily Test 22	Physics: MAGNETIC EFFECTS OF ELECTRIC CURRENT: Introduction, Magnetic Field and Its Unit, Magnetic Field Lines, Properties of Magnetic Field Lines, Magnetic Effect of Current, Magnetic Field due to Long Straight Current Carrying Wire Chemistry: METALS AND NON-METALS: Oxidation of ore; Calcination; Roasting; Reduction of oxide ore into metal; Smelting; Thermite process, Self reduction; Electrolytic reduction; Amalgamation process; Purification of metal; Alloys; Corrosion Biology: HOW DO ORGANISMS REPRODUCE?: -Pollination, Fertilization in plants, Reproduction in human beings, Puberty
Eng + SSt Daily Test 22	English: Revision Test SSt: Political Science, Ch7: Outcomes of Democracy: How We Assess Democracy's Outcomes?, Accountable, Responsive And Legitimate Government, Economic Growth And Development, Economic Outcomes Of Democracy, Reduction Of Inequality And Poverty, Accommodation Of Social Diversity, Dignity And Freedom Of The Citizens
MAT Daily Test 23	Non-Verbal (Classification, Series, Analogy)

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DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
Mathematics Daily Test 23	Revision Test (Arithmetic Progressions)
Science Daily Test 23	Physics: MAGNETIC EFFECTS OF ELECTRIC CURRENT: Right Hand Thumb Rule, Magnetic Field due to a Circular Coil Carrying Current, Magnetic Field due to a Current in a Long Solenoid Chemistry: Revision test (Chemical reactions and equations. Acids bases and salts, Metals and non metals) Biology: HOW DO ORGANISMS REPRODUCE?: -Male Reproductive system
Eng + SSt Daily Test 23	English: Revision Test SSt: Economics, Ch5: Consumer Rights: Introduction, The Consumer In The Marketplace, Consumer Movement, Consumer Rights, Learning To Become Well-Informed Consumers, Taking The Consumer Movement Forward
MAT Daily Test 24	Diagrammatic Puzzles
Mathematics Daily Test 24	TRIANGLES: Introduction, Similar figures, Similar polygons, Similar triangles, Basic Proportionality Theorem and its converse; Problems on BPT
Science Daily Test 24	Physics: MAGNETIC EFFECTS OF ELECTRIC CURRENT: Advanced Numericals based on Long Straight Current carrying wire and circular Coil, Electromagnet, Force on a Moving Charge in a Magnetic Field Chemistry: Revision test (Chemical reactions and equations. Acids bases and salts) Biology: HOW DO ORGANISMS REPRODUCE?: Female Reproductive system
Eng + SSt Daily Test 24	English: Revision Test SSt: Political Science, Ch8: Challenges to Democracy: Thinking About Challenges, Different Contexts, Different Challenges, Different Types Of Challenges, Thinking About Political Reforms, Redefining Democracy
MAT Daily Test 25	Cubes and Dices
Mathematics Daily Test 25	TRIANGLES: Theorems related to criteria of similarity of similar triangles; AAA Similarity Theorem; SSS Similarity Theorem; SAS Similarity Theorem; Problems on Similarity

DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
Science Daily Test 25	<p>Physics: MAGNETIC EFFECTS OF ELECTRIC CURRENT: Force on a Current Carrying Conductor Placed in a magnetic Field, Fleming's Left Hand Rule, Numericals</p> <p>Chemistry: CARBON AND COMPOUNDS: Introduction; Carbon in daily life; Allotropes of Carbon; Diamond; Structure of diamond; Physical properties; Uses; Graphite; Structure of graphite; Physical properties; Uses of graphite; Fullerenes; Structure of Fullerenes; Physical properties; Uses of fullerenes</p> <p>Biology: HOW DO ORGANISMS REPRODUCE?: -Fertilization in human beings, What happens when egg is not fertilized?, Reproductive health, Sexually Transmitted Diseases (STD)</p>
MAT Daily Test 26	Water and Mirror Image
Mathematics Daily Test 26	TRIANGLES: Theorem related to areas of similar triangles
Science Daily Test 26	<p>Physics: MAGNETIC EFFECTS OF ELECTRIC CURRENT: Electric Motor, Principle of Electric Motor, Working of Electric Motor</p> <p>Chemistry: CARBON AND COMPOUNDS: Bonding in Carbon; Bonding of carbon with itself; Bonding of carbon with other atom; Carbon forms single bond with hydrogen; Carbon can form double bond with oxygen; Carbon can form triple bond with nitrogen; Organic Chemistry(Introduction); Reasons for Large Number of Organic Compounds; Catenation; Tendency to form multiple bonds; Isomerism; Examples of isomers of pentane; Definition of chain isomerism</p> <p>Biology: Control and coordination in animals and plants, Nervous system & neurons, Synapse , reflex actions, necessity of reflex actions, why reflex arcs have evolved in animals.</p>
MAT Daily Test 27	MAT: Calender & Clock, Ranking Test, Mirror Image, Blood Relation, Direction Sense Test, Incomplete Figures, Embedded Figures, Transparent Paper Folding
Mathematics Daily Test 27	TRIANGLES: Pythagoras theorem & its converse
Science Daily Test 27	<p>Physics: MAGNETIC EFFECTS OF ELECTRIC CURRENT: Advanced problems based on force experienced by a charge moving in magnetic field, Electromagnetic Induction, Fleming's Right Hand Rule.</p> <p>Chemistry: CARBON AND COMPOUNDS: o Hydrocarbons; Introduction; Acyclic or open chain compounds; Saturated hydrocarbon (Alkanes); Unsaturated hydrocarbons(alkenes and alkynes); Cyclic or closed chain or ring compounds; Functional Groups; The Homologous Series; Examples; Characteristics</p> <p>Biology: HEREDITY AND EVOLUTION: Introduction; Variations; Types of variations; Somatic variations; Germinal variations; Sources of genetic variations; Accumulation of variations during reproduction; Heredity; Inherited traits; Basis of heredity; Genetics terminology</p>

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DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
MAT Daily Test 28	MAT: Coding and Decoding, Classification, Syllogism, Blood Relation, Non-Verbal Classification, Cubes & Dices, Calender & Clock, Incomplete Figures
Mathematics Daily Test 28	TRIANGLES: Internal angle bisector theorem & its converse; External angle bisector theorem
Science Daily Test 28	Physics: MAGNETIC EFFECTS OF ELECTRIC CURRENT: Household Electric Circuit, Domestic Wire, Electric Problems, Overload, Short circuit, Precaution in the use of Electricity Chemistry: CARBON AND COMPOUNDS: IUPAC - Nomenclature of Organic Compounds; Trivial/common system; IUPAC system; IUPAC Nomenclature; Nomenclature of branched chain hydrocarbons; Rules for nomenclature of hydrocarbons; Longest chain rule; Lowest set or lowest sum rule; Examples of naming hydrocarbons., Nomenclature of Organic Compounds having Functional Group; Carboxylic acids; Esters; Aldehydes; Ketones; Alcohols; Miscellaneous examples, Bond Line Notations of Organic Compounds; Types of Chemical Reactions in Organic Compounds; Combustion; Oxidation; Addition reaction; Elimination reaction Biology: HEREDITY AND EVOLUTION: Father of genetics; Why Mendel selected pea plant for his experiments?; Monohybrid cross; Punnett square; Mendel's first three postulates; Unit factors in pairs
MAT Daily Test 29	MAT: Number Series Alphabetical & , Alphanumeric Series, Classification, Non-Verbal (Series)
Mathematics Daily Test 29	Revision Test (Triangles)
Science Daily Test 29	Physics: MAGNETIC EFFECTS OF ELECTRIC CURRENT: Magnetism & Matter, Basics of Earth's Magnetism ,Magnetic Elements, Diamagnetic, Paramagnetic & Ferromagnetic Substances Chemistry: CARBON AND COMPOUNDS: Substitution reaction; Polymerization reaction; Some Important Organic Compounds; Ethyl Alcohol or Ethanol; Preparation of ethyl alcohol; Physical properties Biology: HEREDITY AND EVOLUTION: Law of Dominance; Law of Segregation; Dihybrid cross; Law of Independent Assortment; How do these traits get expressed?
MAT Daily Test 30	MAT: Analogy, Classification, Direction Sense Test, Ranking Test, Non-Verbal (Classification, Analogy)
Mathematics Daily Test 30	Revision Test (Triangles)

DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
Science Daily Test 30	<p>Physics: SOURCES OF ENERGY: Introduction, Sources of Energy, Characteristics of a Good Source of Energy, Renewable Sources of Energy, Solar Energy, Composition of the Sun's Energy, Solar Energy Devices, Solar Cooker, Solar Concentrator, Solar Water Heater, Solar Cell and its Uses, Wind Energy, Hydro Energy</p> <p>Chemistry: CARBON AND COMPOUNDS: Chemical properties; Combustion; Reaction with sodium; Oxidation; Dehydration reaction; Esterification; Some commercial forms of ethanol; Uses of Alcohol</p> <p>Biology: HEREDITY AND EVOLUTION: o Sex determination; Chromosomes in human beings; Sex chromosomes; Autosomes, Origin of life on earth; Theory of chemical evolution</p>
MAT Daily Test 31	MAT: Blood Relation, Coding and Decoding, Venn Diagram
Mathematics Daily Test 31	COORDINATE GEOMETRY (LINES IN TWO –DIMENSIONS): Introduction; Rectangular coordinate system; Coordinates of a point; Distance formula; Circumcentre of a triangle
Science Daily Test 31	<p>Physics: SOURCES OF ENERGY: SOURCES OF ENERGY: Bio-fuel, Biomass as Fuel, Charcoal, Animal Dung, Bio-gas, Fixed Dome Type Bio-gas Plant, Floating Gas Holder Type Bio-gas Plant, Advantages of Bio-gas Plant, Important Uses of Bio-gas</p> <p>Chemistry: CARBON AND COMPOUNDS: Ethanoic Acid; Preparation; Properties of Ethanoic Acid; Physical properties; Chemical properties; Acidic nature; Reaction of bases; Reaction with carbonates and bicarbonates</p> <p>Biology: HEREDITY AND EVOLUTION: Evolution; Inherited traits; Acquired traits; Speciation, Evolution and classification; Tracing evolutionary relationships; Comparative morphological evidences; Homologous organs; Analogous organs; Vestigial organs</p>
MAT Daily Test 32	MAT: Syllogism, Mathematical Operations
Mathematics Daily Test 32	COORDINATE GEOMETRY (LINES IN TWO – DIMENSIONS): Section formula, Internal division, Mid- point formula, Applications of section formula
Science Daily Test 32	<p>Physics: SOURCES OF ENERGY: Alcohol as fuel, Hydrogen, Energy From Oceans, Tidal Energy, Ocean Wave Energy, Ocean Thermal Energy, Geothermal Energy, Environmental Consequences</p> <p>Chemistry: CARBON AND COMPOUNDS: Esterification; Reduction; Uses of Ethanoic acid; Soap and Detergents; Soap; Saponification; Structure of Soap; Detergent; Structure of Detergent, Cleansing Action of Soap and Detergents; Advantages of Detergents over Soaps for Washing Purposes; Disadvantages of Detergents over Soap (Detergent Pollution)</p> <p>Biology: HEREDITY AND EVOLUTION: Embryological evidences; Molecular phylogeny; Fossils; Fossilization, How do fossils form layer by layer?; Determination of the age of fossil; Evolution by stages; Evolution should not be equated with progress; Human evolution</p>

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DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
MAT Daily Test 33	MAT: Number Series Alphabetical & Alphanumeric Series, Analogy, Classification, Coding & Decoding Blood Relation, Venn Diagram, Ranking Test, Non-verbal (Analogy, Classification)
Mathematics Daily Test 33	COORDINATE GEOMETRY (LINES IN TWO – DIMENSIONS): Area of a triangle, Slope of Line Related Problem
Science Daily Test 33	Physics: NON RENEWABLE SOURCES OF ENERGY Chemistry: PERIODIC CLASSIFICATION OF ELEMENTS: Introduction; Historical Development of Periodic Classification; John Dalton's work; Dobereiner's Triads; Limitations; Newland's Law of Octaves; Limitations, Mendeleeev's Periodic Table; Characteristics of Mendeleeev's periodic table; Importance of Mendeleeev's periodic Table; Systematic study of elements; Correction of doubtful atomic masses; Prediction of new elements; Position of noble gases; Limitations of Mendeleeev's periodic Table Biology: OUR ENVIRONMENT: Life processes(complete chapter)
MAT Daily Test 34	MAT: Number Series, Alphabetical & Alphanumeric Series, Venn Diagram, Coding and Decoding, Blood Relation, Non-Verbal (Analogy), Incomplete Figure
Mathematics Daily Test 34	Revision Test (Coordinate Geometry)
Science Daily Test 34	Physics: Revision Test (sources of energy complete) Chemistry: PERIODIC CLASSIFICATION OF ELEMENTS: Modern Periodic Table; Modern periodic Law; Cause of periodicity; Characteristics of periodic table; Groups; Periods, Merits of Modern Periodic Table; Periodic/Atomic Properties; Factors that influence periodic properties; Nuclear charge; Screening or shielding effect Biology: Sustainable Management of Natural Resources (complete chapter)
MAT Daily Test 35	MAT: Number Series Alphabetical & Alphanumeric Series, Analogy, Coding & Decoding, Cubes & Dices, Venn Diagram, Water Image, Number and Alphabet Test
Mathematics Daily Test 35	INTRODUCTION TO TRIGONOMETRY: Introduction; System of measurement of an angle; Sexagesimal system; Circular System; Centesimal System; Trigonometric ratios

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DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
Science Daily Test 35	<p>Physics: Revision Test Light: Reflection and refraction</p> <p>Chemistry: PERIODIC CLASSIFICATION OF ELEMENTS: Periodic Properties and their Trends in Periodic Table; Atomic Radius; Across a Period; Down the group; Ionic radius; Cationic radius; Anionic radius; Metallic and Non-metallic character; Variation in a period; Variation in a group</p> <p>Biology: Heredity and evolution</p>
Mathematics Daily Test 36	<p>INTRODUCTION TO TRIGONOMETRY: Introduction; System of measurement of an angle; Sexagesimal system; Circular System; Centesimal System; Trigonometric ratios, Relation between different T-ratios; Reciprocal relations; Quotient relations; T-ratios of some angles; T-ratios of complementary angles</p>
Science Daily Test 36	<p>Physics: Revision Test(Electricity, Magnetic effects of electric current)</p> <p>Chemistry: PERIODIC CLASSIFICATION OF ELEMENTS: Semi-metals or metalloids; Nature of oxides; Chemical Reactivity; Variation in a period; Variation in a group; Valency; Variation across a period; Variation down the group, Concept of Ionization Energy and Electron Affinities; Electro-negativity; Diagonal Relationship</p> <p>Biology: Reproduction(complete chapter)</p>
Mathematics Daily Test 37	<p>INTRODUCTION TO TRIGONOMETRY: Introduction; Trigonometric Identities (Pythagorean Identities); Problems on identities, SOME APPLICATIONS OF TROGONOMETRY: Introduction; Basic concepts; Line of sight; Angle of elevation; Angle of depression; Problems on heights and distance</p>
Mathematics Daily Test 38	<p>Revision Test (Introduction to Trigonometry)</p>
Mathematics Daily Test 39	<p>CIRCLES: Theorem: The lengths of two tangents drawn from an external point to a circle are equal.; Theorem: If two tangents are drawn to a circle from an external point, then; They subtend equal angles at the centre.; They are equally inclined to the line segment joining the centre to that point</p>

DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
Mathematics Daily Test 40	Circles: Properties of intersecting chords; Angles made by a tangent and a chord; Alternate segment theorem; Theorem: If a chord and a tangent intersect externally, then the product of the lengths of the segments of the chord is equal to the square of the length of the tangent from the point of contact to the point of intersection
Mathematics Daily Test 41	Construction: Introduction; Division of a line segment; To divide a line segment in the ratio $m : n$ (internally); Alternate method to divide a line segment internally in the ratio $m : n$
Mathematics Daily Test 42	CONSTRUCTIONS: Construction of tangents to a circle; Construction of a tangent to a circle at a given point when its centre is known; Construction of tangent to a circle from a point outside the circle when the centre of the circle is known; Construction of tangent to a circle from an external point without using its centre
Mathematics Daily Test 43	Constructions
Mathematics Daily Test 44	AREAS RELATED TO CIRCLES: Introduction; Perimeter and area of a circle: Brief review; Area of a circular ring; Perimeter and area of a semicircle; Perimeter and area of a quadrant of a circle
Mathematics Daily Test 45	AREAS RELATED TO CIRCLES: Areas of parts of a circle; Sector, Segment, Areas of combination of plane figures
Mathematics Daily Test 46	Maths: Areas related to circles
Mathematics Daily Test 47	SURFACE AREAS AND VOLUMES: Introduction; Brief review::; Cuboid; Cube; Solid cylinder; Hollow cylinder; Cone; Solid sphere; Spherical shell; Hemisphere; Hemispherical shell
Mathematics Daily Test 48	SURFACE AREAS AND VOLUMES: Surface area and volume of combination of solids, Conversion of solids, rustum of a right circular cone; Volume of frustum; Curved surface area of a frustum; Total surface area of the frustum
Mathematics Daily Test 49	Maths: Surface Areas and Volumes

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DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
Mathematics Daily Test 50	STATISTICS: Introduction; Mean; Mean of a grouped data; Direct method; Assumed mean method, Step deviation method; Merits & demerits of arithmetic mean; Problems discussion
Mathematics Daily Test 51	STATISTICS: Cumulative frequency curve (or an Ogive); Less than Ogive; More than Ogive; Advantages of Ogive; Relative characteristics of Mean, Median & Mode discussion
Mathematics Daily Test 52	Maths: Statistics
Mathematics Daily Test 53	PROBABILITY: Introduction; Probability: A theoretical approach; Definitions of various terms related to probability; Experiment; Random experiment; Trial; Outcomes; Sample space; Event; Elementary event; Compound event; Occurrence of an event; Equally likely outcomes of a random experiment; Complementary event
Mathematics Daily Test 54	PROBABILITY: Relation between $P(A)$ and $P(\text{not } A)$; Problems related to Playing Cards
Mathematics Daily Test 55	Maths: Probability



Summary for Class X

JOINT PACKAGE	
Year Syllabus	Class X
AIATS	6
Unit Tests	6
Part Tests	2
Full Syllabus Tests	2
Subjective Tests	10
Olympiads Tests	4
NTSE Tests	10
Daily Practice Tests	150
No. of Books	13