



Aakash



> Ranker Test Series Schedule (For Class IX Students 2023-24)

Olympiad Test Package

Details

- Olympiad Test No.-1** Based on Science Olympiad Syllabus with Hints & Solutions
Olympiad Test No.-2 Based on Mathematics Olympiad 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

Online Test Package

Test	Date	Day	TOPIC
UT-1	10-Jun-23	Saturday	Physics : Motion Chemistry : Matter in Our Surroundings Maths : Number Systems, Polynomials
UT-2	15-Jul-23	Saturday	Physics : Force and Laws of Motion Biology : The fundamental Unit of Life Maths : Coordinate Geometry, Linear Equation in Two Variables, Introduction to Euclid's Geometry
UT-3	12-Aug-23	Saturday	Chemistry : Is Matter Around Us Pure? Biology : Tissues Maths : Lines and Angles, Triangles
PT-1	16-Sep-23	Saturday	For Science & Maths : Complete Syllabus of Module 1
UT-4	14-Oct-23	Saturday	Physics : Work and Energy Biology : Improvement in Food Resources (till Pests and chemical method to control Insect Pests) Maths : Circles
UT-5	28-Oct-23	Saturday	Chemistry : Atoms and Molecules Biology : Improvement in Food Resources Maths : Heron's Formula
UT-6	11-Nov-23	Saturday	Physics : Sound Chemistry : Structure of Atom Maths : Surface Areas and Volumes, Statistics
PT-2	25-Nov-23	Saturday	For Science & Maths : Complete Syllabus Of Module-2
FST-1	09-Dec-23	Saturday	Complete Syllabus
FST-2	30-Dec-23	Saturday	Complete Syllabus

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

Next year schedule shall be intimated in April 2024

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



> AIATS Schedule for Class IX (Studying Students 2023-24)

AIATS (CBSE) Test Schedule for Class-IX

Test No.	Subject	Test Date	Test Date Only for ONLINE Students	Syllabus
AIATS-Practice Test	Science, Maths & MAT	23rd Jul 2023		Physics: Motion Chemistry: Matter in Our Surroundings (excluding: plasma and BEC) Biology: The Fundamental Unit of Life Maths: Number Systems (Excluding Representing rational numbers on number line), Polynomials, Coordinate Geometry (Excluding: Plotting a point in the plane if its coordinates are given), Linear Equations in two Variables (Excluding: Equations of lines parallel to X-axis and Y-axis), Introduction to Euclid's Geometry (Excluding: Equivalent Versions of Fifth Postulates) MAT: Number Series, Letter Series, Non-Verbal Series, Analogy (Verbal and Non-Verbal), Mathematical operations
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: Motion, Force and Laws of Motion, Gravitation Chemistry: Matter in Our Surroundings (excluding: plasma and BEC), Is Matter Around Us Pure? (excluding: separation techniques) Biology: The Fundamental Unit of Life, Tissues Maths: Number Systems (Excluding Representing rational numbers on number line), Polynomials, Coordinate Geometry (Excluding: Plotting a point in the plane if its coordinates are given), Linear Equations in two Variables (Excluding: Equations of lines parallel to X-axis and Y-axis), Introduction to Euclid's Geometry (Excluding: Equivalent Versions of Fifth Postulates) Lines and Angles (Excluding: Angle sum Property of a Triangle), Triangles (Excluding: Inequalities in Triangles), Quadrilaterals (Excluding: Angle sum property of a Quadrilateral, Types of Quadrilateral) MAT: Diagrammatic puzzles, Direction Sense Test, Coding – Decoding, Blood Relation, Ranking Test, Analytical reasoning, Calendar and Clock



> AIATS Schedule for Class IX (Studying Students 2023-24)

AIATS (CBSE) Test Schedule for Class-IX

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: Work and Energy Chemistry: Atoms and Molecules (Introduction, Laws of Chemical Combination, Dalton's Atomic theory, Atoms, Molecules, Molecules of Compounds Differences between Atoms and Molecules, Ions, Polyatomic ions, Concept of valency, Chemical Formula) Biology: Tissues Maths: Triangles (Excluding: Inequalities in Triangles), Quadrilaterals (Excluding: Angle sum property of a Quadrilateral, Types of Quadrilateral), Circles (Excluding: Circle through three Points) MAT: Complete Syllabus
AIATS-4	Science, Maths & MAT	7th Jan 2024	7th to 9th Jan 10 AM (Sun) to 10 AM (Tue)	Physics: Work and Energy, Sound (Production of Sound, Describing a Sound Wave, Time Period and Wavelength) Chemistry: Atoms and Molecules (excluding: mole concept), Structure of Atom: Fundamental particles of Atom, Cathode rays, Anode rays, Atomic models - Thomson's Model, Rutherford's Model, Bohr's atomic Model Biology: Improvement in Food Resources Maths: Quadrilaterals (Excluding: Angle sum property of a Quadrilateral, Types of Quadrilateral), Circles (Excluding: Circle through three Points), Heron's Formula (Excluding: Applications of Heron's Formula in finding Area of a Quadrilateral), Surface Areas and Volumes (Excluding: Surface Area & Volume of Cube, Cuboid, Cylinder & Hollow Cylinder), Statistics (Excluding: Collection & Presentation of Data, Measures of Central Tendency) 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

DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
MAT Daily Test 1	MAT: Number Series
Mathematics Daily Test 1	NUMBER SYSTEM: Introduction; Natural Numbers; Whole Numbers; Integers; Rational Numbers; Representing rational numbers on number line; Inserting rational numbers between two given rational numbers; Decimal representation of rational number
Science Daily Test 1	Physics: MOTION: Introduction, State of a body, Reference point, Rest, Motion, Rest and motion are inter-related, Types of motion Chemistry: MATTER IN OUR SURROUNDINGS: The Matter; Physical Nature of Matter; Matter is made up of particles; Particles of matter have space between them; Particles of matter move continuously; Particles of matter attract each other; Particles of matter are very small; Classification of Matter; Solid state; Liquid state; Gaseous state; Plasma state; BEC Biology: CELL : THE FUNDAMENTAL UNIT OF LIFE: Events Related to Cytology; What are Living Organisms Made Up of?; Instruments for Studying Cells; Compound Microscope; Electron Microscope
Eng + SSt Daily Test 1	Eng: Reading Comprehension: Reading Comprehension; Introduction to methods of reading; Types of Passages; Types of Questions SSt: Geography, Ch1: India-Size and Location: Location, Size, India And The World, India's Neighbours
MAT Daily Test 2	MAT: Number Series
Mathematics Daily Test 2	NUMBER SYSTEM: Terminating decimals; Non-terminating decimals; Problems related to decimal representation of rational numbers; Conversion of decimal into rational number of form p/q ; Converting terminating decimal to p/q ; Converting non-terminating repeating decimal to p/q (procedure as well as shortcut)
Science Daily Test 2	Physics: MOTION: Scalar and vector quantity, Motion along a Straight line or rectilinear motion, Distance, Displacement, Difference between Distance and Displacement, Numericals, Advanced problems based on Distance and Displacement Chemistry: MATTER IN OUR SURROUNDINGS: Solid State; Characteristics of Solid State; Definite shape and volume; Density; Compressibility; Rigidity; High Mechanical Strength; Diffusion; Melting and Boiling point; Crystalline structure; Sublimation; The Liquid State; Characteristics of Liquid State; Shape and Volume; Density; Compressibility; Fluidity; Mechanical Strength; Viscosity; Diffusion; Melting and Boiling point; Freezing Biology: CELL : THE FUNDAMENTAL UNIT OF LIFE: Structural Organization of a Cell; Plasma Membrane and its Functions; Osmosis; Types of Solution; Endocytosis; Exocytosis

DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
Eng + SSt Daily Test 2	Eng: Reading Comprehension (Contd.): Unseen Poetry Reading; Literary Devices; Figures of Speech; Types of Questions SSt: History, Ch1: The French Revolution: French Society During The Late 18th Century, The Outbreak Of The Revolution, France Abolishes Monarchy And Becomes A Republic], Did Women Have A Revolution?, The Abolition Of Slavery, The Revolution And Everyday Life
MAT Daily Test 3	MAT: Letter Series
Mathematics Daily Test 3	NUMBER SYSTEM: Irrational numbers (along with proof of irrational number) ; Some useful results on irrational numbers including inserting irrational numbers between two numbers
Science Daily Test 3	Physics: MOTION: Speed and Velocity, Speed, Average speed, Uniform speed, Non-Uniform speed, Numericals Chemistry: MATTER IN OUR SURROUNDINGS: Evaporation; Examples of Evaporation; Factors affecting Rate of Evaporation; Evaporation causes Cooling; Boiling; Difference between Evaporation and Boiling; The Gaseous State; Characteristics of Gaseous State; Shape and Volume; Density; Compressibility; Fluidity; Diffusion; Melting and Boiling point; Effect of heating and cooling of a gas; Condensation of a gas; Pressure of a gas; Difference between Gas and Vapour Biology: CELL : THE FUNDAMENTAL UNIT OF LIFE: Cell Wall; Nucleus; Types of Cell; Prokaryotic Cells; Eukaryotic Cells; Cytoplasm
Eng + SSt Daily Test 3	Eng: Determiners: Introduction to parts of Speech; Determiners SSt: Political Science, Ch1: Democracy in the Contemporary World: Two Tales Of Democracy, Military Coup Of 1973, Restoration Of Democracy, Democracy In Poland, Two Features Of Democracy, The Changing Map Of Democracy, Phases In The Expansion Of Democracy, The Beginning, End Of Colonialism, Recent Phase, Democracy At The Global Level, International Organisations, Are These Decisions Democratic ?, Democracy Promotion
MAT Daily Test 4	Letter Series
Mathematics Daily Test 4	NUMBER SYSTEM: Representing irrational numbers on the number line; Real numbers and real number line (Justification of existence of square root of positive real number); Visualisation of representation of real numbers by Successive Magnification

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DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
Science Daily Test 4	Physics: MOTION: Velocity, Average velocity, Uniform velocity, Variable velocity, Numericals, Instantaneous Velocity and Speed, Instantaneous Velocity, Instantaneous Speed, Some Important Points Chemistry: MATTER IN OUR SURROUNDINGS: Comparison between the Three States; The Plasma; BEC; Inter-conversion of States of Matter; Fusion; Solidification; Vaporization; Condensation; Sublimation; State Variables Biology: CELL : THE FUNDAMENTAL UNIT OF LIFE: Cell Organelles; Endoplasmic Reticulum; RER & its Functions; SER & its Functions
Eng + SSt Daily Test 4	Eng: Verb forms, Subject – Verb Agreement: Verb forms; Rules of Subject – Verb Agreement; Errors of Subject – Verb Agreement SSt: Economics, Ch1: The Story of Village Palampur: Introduction, Organisation Of Production, Farming In Palampur, Non Farming Activities In Palampur
MAT Daily Test 5	Analogy
Mathematics Daily Test 5	NUMBER SYSTEM: Rationalization ; Surds ; Laws of exponents for real numbers; Problems discussion
Science Daily Test 5	Physics: MOTION: Acceleration and Retardation, Acceleration, Uniform Acceleration, Non-Uniform Acceleration, Retardation Chemistry: MATTER IN OUR SURROUNDINGS: Effect of Variables on States of Matter ; Effect of Temperature; Effect of Pressure; Critical Temperature; Different units of measurements of temperature and pressure Biology: CELL : THE FUNDAMENTAL UNIT OF LIFE: Ribosomes; Golgi Apparatus; Lysosomes; Mitochondria
Eng + SSt Daily Test 5	Eng: Tenses – Future Time reference: Forms of present, past and future tenses – simple, perfect, continuous and perfect continuous tense; Future time reference; Sentence completion SSt: Geography, Ch2: Physical Features of India: Introduction, Plate Boundaries, Major Physiographic Divisions, The Himalayan Mountains, The Northern Plains, The Peninsular Plateau, The Indian Desert, The Coastal Plains, The Islands
MAT Daily Test 6	Analogy
Mathematics Daily Test 6	REVISION TEST (NUMBER SYSTEM)

DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
Science Daily Test 6	<p>Physics: MOTION: Graphical Representation of Motion, Position-Time Graph, Distance- Time graph of a body moving with uniform speed, Distance-Time graph for a body moving with Non-Uniform speed, Advanced problems based on Average Speed and Average Velocity</p> <p>Chemistry: IS MATTER AROUND US PURE?: Matter; Pure Substances: Elements and Compounds; Elements; Properties of elements; Classification of elements; Metals; Nonmetals; Metalloids</p> <p>Biology: CELL : THE FUNDAMENTAL UNIT OF LIFE: Types of chromosomes and General Structure of DNA</p>
Eng + SSt Daily Test 6	<p>Eng: Connectors, Modals: Conjunctions and their usage; Modals and their usage</p> <p>SSt: History, Ch2: Socialism in Europe and the Russian Revolution: The Age Of Social Change, The Russian Revolution, The February Revolution In Petrograd, What Changed After October?, The Global Influence Of The Russian Revolution And The USSR</p>
MAT Daily Test 7	Revision Test
Mathematics Daily Test 7	POLYNOMIALS: Introduction; Terms; Coefficients; Standard form; Classification on basis of terms; Degree of the polynomial; Classification of polynomials on basis of degree (also Zero polynomial); Value of the polynomial
Science Daily Test 7	<p>Physics: MOTION: Position-Time graph for a body at rest, Uniform Velocity, Non-Uniform Velocity, Velocity-Time graph, When the object is moving with constant velocity, When a body is moving with uniform acceleration, When a body is moving with uniform retardation, When a body is moving with non-uniform acceleration</p> <p>Chemistry: IS MATTER AROUND US PURE?: Compounds; Properties of compounds; Difference between Elements and Compounds; Mixtures; Types of mixtures; Homogeneous mixture; Heterogeneous mixture; Differences between Mixtures and Compounds</p> <p>Biology: CELL : THE FUNDAMENTAL UNIT OF LIFE: Plastids; Chromoplasts; Leucoplasts; Chloroplasts; Vacuoles; Centrosomes; Peroxisomes</p>
Eng + SSt Daily Test 7	<p>Eng: Sentence Rearrangement: Rules of Sentence Rearrangement; Connectors and types of links; Standard structures ; Subject-Object clues</p> <p>SSt: Nazism and the Rise of Hitler</p>

DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
MAT Daily Test 8	Mathematical Operation
Mathematics Daily Test 8	POLYNOMIALS: Zeroes of a polynomial; Division of polynomials; Remainder theorem
Science Daily Test 8	Physics: MOTION: Derivation of Equation of Motion By Graphical Method, Velocity-Time relation, Position-Time relation, Position-Velocity relation, Numericals Chemistry: Revision Test(Matter in Our surroundings) Biology: TISSUES: Tissue Introduction; Plant Tissue and Animal Tissue; Plant Tissues; Meristematic Tissues; Apical Meristem; Lateral Meristem; Intercalary Meristem
Eng + SSt Daily Test 8	Eng: Revision Test SSt: Political Science, Ch2: What is Democracy? Why Democracy?: What Is Democracy?, Features Of Democracy, Why Democracy?, Broader Meaning Of Democracy
MAT Daily Test 9	Mathematical Operation
Mathematics Daily Test 9	POLYNOMIALS: Factor Theorem ;Using factor theorem; Using factor theorem (alternate method)
Science Daily Test 9	Physics: MOTION: Sign Convention, Uniform Circular Motion, Angular Displacement, Angular Velocity , Relation between Linear Speed and Angular Speed Chemistry: IS MATTER AROUND US PURE?: What is a Solution?; Types of Solutions; Based on the nature of Solvent; On the basis of amount of dissolved Solute; Properties of Solution; Concentration of Solution ; Mass concentration; Volume concentration Biology: TISSUES: Simple Permanent Tissues; Parenchyma ; Collenchyma and Sclerenchyma Tissues; Protective Tissue; Epidermis; Cork
Eng + SSt Daily Test 9	Eng: Revision Test SSt: Economics, Ch2: People as Resource: Introduction, Economic Activities By Men And Women, Quality Of Population, Education, Health, Unemployment
MAT Daily Test 10	Direction Sense Test

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DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
Mathematics Daily Test 10	POLYNOMIALS: Factorisation of polynomials; By taking out common factor; Factorisation by grouping the terms; By splitting the middle term; Algebraic Identities; Square Identities
Science Daily Test 10	Physics: MOTION: Slope, problems based on graphs, Advanced problems based on Equations of Motion Chemistry: IS MATTER AROUND US PURE?: Heterogeneous Mixture; Suspension; Characteristics of Suspension; Colloids; Characteristics of Colloids; Tyndall Effect; Brownian Motion Biology: TISSUES: Complex Permanent Tissues; Xylem; Phloem
Eng + SSt Daily Test 10	Eng: Revision Test SSt: Geography, Ch3: Drainage: Introduction, Drainage Systems In India, The Himalayan Rivers, The Indus River System, The Ganga River System, The Brahmaputra River System, The Peninsular Rivers, The Narmada Basin, The Tapi Basin, The Godavari Basin, The Mahanadi Basin, The Krishna Basin, The Kaveri Basin, Lakes, Role Of Rivers In The Economy, River Pollution
MAT Daily Test 11	Direction Sense Test
Mathematics Daily Test 11	POLYNOMIALS: Cubic Identities (binomials, sum & difference); Special Algebraic Identities
Science Daily Test 11	Physics: FORCE AND LAWS OF MOTION: Introduction, Force and its Effect, Resultant Force, Balanced Force, Unbalanced Force, System and External Forces, Comparison between Balanced and Unbalanced Force, Galileo's Experiment Chemistry: IS MATTER AROUND US PURE?: Sol; Gel; Emulsions; Types of emulsions; Physical Changes; Examples of physical changes; Chemical Changes; Examples of chemical changes; Differences between Physical and Chemical Changes Biology: TISSUES: Animal Tissues; Epithelial Tissues; Squamous Epithelium; Cuboidal Epithelium; Columnar Epithelium; Glandular Epithelium; Ciliated Epithelium
Eng + SSt Daily Test 11	Eng: Fill in the Blanks, Cloze Test (Gap filling): Types of Fill in the Blanks; Single fill in the Blank; Double fillers; Multiple Blanks (CLOZE TEST); Strategies to solve a cloze test S.St: Political Science, Ch3: Constitutional Design: Democratic Constitution In South Africa, Why Do We Need A Constitution?, Making Of The Indian Constitution, Guiding Values Of The Indian Constitution

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DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
MAT Daily Test 12	Coding Decoding
Mathematics Daily Test 12	Revision Test (Polynomials) Complete
Science Daily Test 12	Physics: FORCE AND LAWS OF MOTION: Newton's First Law of Motion, Inertia and its Types, Inertia of Rest, Inertia of Motion Chemistry: IS MATTER AROUND US PURE?: Separation Methods of Various Mixture Components; Purpose of separating the constituents of mixture; Separation of a Solid from Other Solid; Hand-picking; Sieving; Winnowing; Separation by magnet; Separation by sublimation Biology: TISSUES: Muscular Tissues ; Striated Muscles; Smooth Muscles; Cardiac Muscles
Eng + SSt Daily Test 12	Eng: Voice Change: Active/Passive voice; Sentence transformation SSt: Geography, Ch-4: Climate,: Introduction-Climate And Weather, Climate Controls, Factors Affecting India's Climate, Latitude, Altitude, Pressure And Winds, The Indian Monsoon, The Onset Of The Monsoon And Withdrawal, The Seasons, The Cold Weather Season, The Hot Weather Season, Advancing Monsoon, Retreating/Post Monsoon, Distribution Of Rainfall, Monsoon As A Unifying Bond"
MAT Daily Test 13	Coding & Decoding
Mathematics Daily Test 13	COORDINATE; GEOMETRY: Introduction; Cartesian system; Important terms related to Cartesian co-ordinate system; Plotting a point in Cartesian Plane if its coordinates are given;
Science Daily Test 13	Physics: FORCE AND LAWS OF MOTION: Inertia of Direction, Linear Momentum, Newton's Second Law of Motion, Mathematical Formulation of Second law Chemistry: IS MATTER AROUND US PURE?: Separation of Mixture of a Solid from Liquid; Sedimentation; Filtration; Centrifugation; Evaporation; Crystallization; Chromatography Biology: TISSUES: General Structure of Connective Tissues; Loose Connective Tissues; Adipose Tissues
Eng + SSt Daily Test 13	Eng: Prepositions , Idioms & Phrases: Common prepositional errors; Confusable Pairs; Phrasal Verbs ; Introduction to Idioms and Phrases; Types of Questions SSt: History, Ch4: Forest Society and Colonialism: Introduction, Why Deforestation?, The Rise Of Commercial Forestry, Rebellion In The Forest, Forest Transformations In Java

DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
MAT Daily Test 14	Blood Relations
Mathematics Daily Test 14	Coordinate Geometry : Distance between two points; Some important points about the special type of quadrilaterals
Science Daily Test 14	Physics: FORCE AND LAWS OF MOTION: First Law is Contained in Second Law, Significance of Unbalanced, External Force, Impulse Chemistry: IS MATTER AROUND US PURE?: Separation of Mixture of Two Liquids; Distillation; Fractional distillation; Separating funnel; Separation of Different Gases from Air; Water Purification System in Water Works ; Summary of Separation Techniques Biology: TISSUES: Dense Regular Connective Tissues; Skeletal Tissues; Vascular Connective Tissues
Eng + SSt Daily Test 14	Eng: Reported Speech: Direct and Indirect Speech; Rules of converting Direct to Indirect speech; Dialogue completion SSt: Electoral Politics
MAT Daily Test 15	Blood Relations
Mathematics Daily Test 15	LINEAR EQUATIONS IN TWO VARIABLES: Introduction : Solution of linear equations, Graph of linear equations in two variables
Science Daily Test 15	Physics: FORCE AND LAWS OF MOTION: Application of Newton's second Law of Motion, Newton's Third Law of Motion, Action and Reaction, Application of Newton's Third law Chemistry: Revision Test (Matter in our surroundings, Is matter around us pure) Biology: TISSUES: Lymph; Nervous Tissue
Eng + SSt Daily Test 15	Eng: Vocabulary SSt: Economics, Ch3: Poverty as a Challenge: Introduction, Poverty As Seen By Social Scientists, Poverty Line, Poverty Estimates, Vulnerable Groups, Inter-State Disparities, Global Poverty Scenario, Causes Of Poverty, Anti-Poverty Measures, The Challenges Ahead
MAT Daily Test 16	Revision Test
Mathematics Daily Test 16	LINEAR EQUATIONS IN TWO VARIABLES: Geometrical representation of some special linear equations, Vertical straight line, Horizontal straight line, Inclined straight line

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DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
Science Daily Test 16	<p>Physics: FORCE AND LAWS OF MOTION: Significance of Newton's Laws, Conservation of Linear Momentum, Application of Law of Conservation of Linear Momentum and Advanced Problems</p> <p>Chemistry: Revision Test (Matter in our surroundings,Is matter around us pure)</p> <p>Biology: DIVERSITY IN LIVNG ORGANISM: Introduction , Basis of classification, Importance of classification, Classification and evolution, The Hierarchy of classification</p>
Eng + SSt Daily Test 16	<p>Eng: Vocabulary – Synonyms, Antonyms & Definition based Questions/ One Word Substitution: Introduction to ways of Vocabulary Building; Roots, Prefixes and Suffixes; Methods of learning Synonyms and Antonyms; Contextual Vocabulary; Definition based Questions/ One Word Substitution</p> <p>SSt: Geography, Ch5: Natural Vegetation and Wildlife: Introduction, Factors Affecting Vegetation And Wildlife, Relief, Land , Soil, Climate, Temperature, Photoperiod(Sunlight), Precipitation, Ecosystem, Types Of Vegetation, Tropical Evergreen Forests, Tropical Deciduous Forests, Tropical Thorn Forests And Shrubs, Montane Forests, Mangrove Forests, Wildlife, Conservation Measures For Protection Of Vegetation And Wildlife</p>
MAT Daily Test 17	Ranking Test
Mathematics Daily Test 17	Revision Test (Linear Equations in Two Variables)
Science Daily Test 17	<p>Physics: FORCE AND LAWS OF MOTION: Connected Motion, Tension, Numericals</p> <p>Chemistry: Revision Test (Matter in our surroundings,Is matter around us pure)</p> <p>Biology: DIVERSITY IN LIVNG ORGANISM: Artificial and natural system of classification, System of classification, Two kingdom classification, Five kingdom classification, Characteristics of five kingdoms, Kingdom monera</p>
Eng + SSt Daily Test 17	<p>Eng: Editing: Most common errors; Types of Questions; Spot the errors; Sentence improvement</p> <p>SSt: History, Ch7: History and Sports: the Story of Cricket: Introduction, The Historical Developments of Cricket As A Game In England, The Spread Of Cricket, The Modern Transformation Of The Game, Commerce, Media And Cricket Today"</p>
MAT Daily Test 18	Analytical Reasoning
Mathematics Daily Test 18	INTRODUCTION TO EUCLID'S GEOMETRY: Introduction : Euclid's Definitions, Undefined elements of geometry, Well defined terms, Euclid's Axioms, Euclid's five postulates, Playfair's axiom(equivalent versions, fifth postulate), Theorems on parallel lines and intersecting lines, Plane and its properties

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DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
Science Daily Test 18	Physics: FORCE AND LAWS OF MOTION: Advanced problems based on Connected Motion Chemistry: Revision Test (Matter in our surroundings,Is matter around us pure) Biology: DIVERSITY IN LIVNG ORGANISM: Kingdom protista , Kingdom fungi, Detailed classification of Kingdom Plantae, Division thallophyta
Eng + SSt Daily Test 18	Eng: Omission: Most common errors; Types of Questions SSt: History, Ch8: Clothing: A Social History: Introduction, Sumptuary Laws And Social Hierarchy, Clothing And Notions Of Beauty, New Times, Transformations In Colonial India, Designing The National Dress
MAT Daily Test 19	Revision Test
Mathematics Daily Test 19	LINES AND ANGLES: Introduction, Kinds of angles, Complementary angles and Supplementary angles, Pairs of angles (Linear pair axiom), Theorem 1
Science Daily Test 19	Physics: GRAVITATION: Introduction, Newton's Law of Gravitation, Properties of Gravitational Force, Numericals, Application of Newton's Law of Gravitation, Centripetal Force and its Application, Application of Centripetal Force Chemistry: Revision Test (Matter in our surroundings,Is matter around us pure) Biology: DIVERSITY IN LIVNG ORGANISM: Division bryophyta , Division pteridophyta , Subdivision gymnospermae, Subdivision angiospermae
Eng + SSt Daily Test 19	English: Revision Test SSt: History, Ch8: Clothing: A Social History: Introduction, Sumptuary Laws And Social Hierarchy, Clothing And Notions Of Beauty, New Times, Transformations In Colonial India, Designing The National Dress"
MAT Daily Test 20	Calendar
Mathematics Daily Test 20	LINES AND ANGLES: Transversal and angles made by it with two lines, Corresponding angles, Alternate interior angles, Alternate exterior angles, Consecutive interior angles, Parallel lines

DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
Science Daily Test 20	Physics: GRAVITATION: Acceleration due to Gravity, Expression for Acceleration due to Gravity, Variation of Acceleration due to Gravity, Shape of the earth, With Altitude, Below the surface of the earth, Due to Rotational motion of the earth Chemistry: Revision Test (Matter in our surroundings, Is matter around us pure) Biology: DIVERSITY IN LIVING ORGANISM: Dicots and monocots, Detailed classification of Kingdom Animalia, Levels of organization, Body symmetry, Diploblastic and triploblastic organization of germinal layers, Coelom
Eng + SSt Daily Test 20	English: Revision Test SSt: Political Science, Ch5: Working of Institutions: How Is A Major Policy Decision Taken?, Parliament, Political Executive, The Judiciary"
MAT Daily Test 21	Clock
Mathematics Daily Test 21	LINES AND ANGLES: Theorem 2, Theorem 3, Theorem 4, Theorem 5, Theorem 6
Science Daily Test 21	Physics: GRAVITATION: Newton's Third Law of Motion and Gravitation, Motion of Objects under the Influence of Gravitational Force of the Earth., Numericals, Mass and Weight, Weight of an object on the Moon, Centre of Mass, Centre of Gravity, Weightlessness Chemistry: Revision Test(Matter in our surroundings, Is matter around us pure) Biology: DIVERSITY IN LIVING ORGANISM: Sex, Development, Fertilization, Flow chart of Kingdom Animalia
Eng + SSt Daily Test 21	English: Revision Test SSt: Economics, Ch4: Food Security in India: Introduction, What Is Food Security?, Why Food Security?, Who Are Food Insecure, Food Security In India, What Is Buffer Stock, What Is The Public Distribution System, Current Status Of Public Distribution System, Role Of Cooperatives In Food Security"
MAT Daily Test 22	Calendar & Clock
Mathematics Daily Test 22	Revision Test (Lines and Angles)
Science Daily Test 22	Physics: GRAVITATION: Force exerted on a Load by the Floor of a Lift, Lift is stationary, Lift moves Up with an acceleration, Lift moves Down with an acceleration Chemistry: Revision Test (Matter in our surroundings, Is matter around us pure) Biology: DIVERSITY IN LIVING ORGANISM: Phylum Porifera, Phylum Coelenterata

DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
Eng + SSt Daily Test 22	English: Revision Test SSt: Geography, Ch-6: Population: Introduction, Population Size And Distribution, India's Population Distribution By Density, Population Growth And Processes Of Population Change, Age Composition, Sex Ratio, Literacy Rates, Occupational Structure, Health, Adolescent Population, National Population Policy, NPP 2000 And Adolescents
MAT Daily Test 23	Calendar & Clock
Mathematics Daily Test 23	TRIANGLES: Introduction : Classification of triangles, On basis of Sides, On basis of Angles, Some important terms related to a triangle
Science Daily Test 23	Physics: Revision Test(Motion, Force and laws of Motion) Chemistry: Revision Test(Matter in our surroundings, Is matter around us pure) Biology: DIVERSITY IN LIVING ORGANISM: Phylum Platyhelminthes, Phylum Nematoda, Phylum Annelida
Eng + SSt Daily Test 23	English: Revision Test SSt: Political Science, Ch6: Democratic Rights: Life Without Rights, Rights In A Democracy, Rights In The Indian Constitution, Expanding Scope Of Rights
MAT Daily Test 24	Water Image and Mirror Image
Mathematics Daily Test 24	TRIANGLES : Properties of an isosceles triangle, SSS congruence criterion, RHS congruence criterion
Science Daily Test 24	Physics: GRAVITATION: General Idea of Kepler's laws of Planetary Motion, First Law, Second Law, Third Law Chemistry: Revision Test(Matter in our surroundings, Is matter around us pure) Biology: DIVERSITY IN LIVING ORGANISM: Phylum Arthropoda, Phylum Mollusca, Phylum Echinodermata
MAT Daily Test 25	Cubes and Dices
Mathematics Daily Test 25	TRIANGLES: Inequalities of triangles, Theorem (i), Theorem (ii), Theorem (iii), Theorem (iv), Theorem (v), Problems on inequalities in triangles

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DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
Science Daily Test 25	Physics: Revision Test(Force and laws of motion, Linear momentum, connected motion, Motion under gravity) Chemistry: Revision Test(Matter in our surroundings,Is matter around us pure) Biology: DIVERSITY IN LIVNG ORGANISM: Chordata , Protochordata, Vertebrata, Pisces, Cartilaginous and bony fishes
MAT Daily Test 26	Water Image and Mirror Image; Cubes and Dices
Mathematics Daily Test 26	Revision Test (Triangles Complete Chapter)
Science Daily Test 26	Physics: Revision Test(Force exerted by the floor of lift on load, conservation of linear momentum, acceleration due to gravity) Chemistry: Revision Test(Matter in our surroundings,Is matter around us pure) Biology: DIVERSITY IN LIVNG ORGANISM: Amphibia, Reptilia, Aves, Mammalia
MAT Daily Test 27	Non-Verbal (Classification, Series, Analogy)
Mathematics Daily Test 27	Math: Revision Test(Number system, Polynomials, Co-ordinate Geometry, Lines and angles, Triangles)
Science Daily Test 27	Physics: GRAVITATION (FLOATATION): Thrust and Pressure; Examples; Numericals; Density and Relative Density Chemistry: ATOMS AND MOLECULES: Introduction; Law of Chemical Combination; Law of Conservation of Mass; Verification of Law; Law of Constant proportion or Definite Composition; Numericals; Dalton's Atomic Theory; Significance of Dalton's atomic theory; Drawbacks Biology: WHY DO WE FALL ILL: Introduction; Health and its failure; Meaning ; Significance; Personal and community issues both matter for health ; Distinctions between healthy and disease free; Diseases and their causes; Meaning ; Types ; On the basis of infectious agents
MAT Daily Test 28	Diagrammatic Puzzles
Mathematics Daily Test 28	QUADRILATERALS: Introduction; Angle Sum Property of a Quadrilateral, Types of Quadrilaterals
Science Daily Test 28	Physics: GRAVITATION (FLOATATION): Pressure in Fluids; Pascal's Law; Variation in Fluid Pressure with Depth and Density; Buoyant Force or Upward Thrust ; Cause of Buoyant Force; Mathematical Expression for Upward Thrust; Factors Affecting Buoyant Force Chemistry: ATOMS AND MOLECULES: Atoms; Characteristics; Symbols of atoms; Significance of symbol; Atomic Weight or Atomic Mass; Molecules; Characteristics; Atomicity; Mono atomic molecules; Diatomic molecules; Polyatomic molecules; Differences between Atoms and Molecules Biology: WHY DO WE FALL ILL: On the basis of portal of entry; On the basis of duration of disease; On the basis of whether the disease is by birth or not; Chronic diseases and poor health; Acute disease; Chronic disease; Causes of disease; Immediate causes of the disease ; Contributing causes of the disease; Infectious disease

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DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
MAT Daily Test 29	Non-verbal(Series; Analogy; Classification); Diagrammatic Puzzles
Mathematics Daily Test 29	QUADRILATERALS: Parallelogram; Rectangle; Rhombus; Square; Trapezium; Kite; Properties of Parallelograms, All related theorems
Science Daily Test 29	Physics: GRAVITATION (FLOATATION): Archimedes' Principle; Verification of Archimedes' Principle; Applications of Archimedes' Principle; Numericals Chemistry: ATOMS AND MOLECULES: Ions; Concept of Valency; Valency of an element; Determination of Valency; by taking combining capacity with H Biology: WHY DO WE FALL ILL: Infectious agents; Bacteria; Viruses; Protozoan; Fungi; Helminthes ; Means of spread; Air; Water and food; Sexual contact; Animal vectors; Soil; Fomite"
MAT Daily Test 30	Complete syllabus
Mathematics Daily Test 30	QUADRILATERALS: Parallel lines and their intercepts; Mid- point theorem; Converse of mid-point theorem
Science Daily Test 30	Physics: GRAVITATION (FLOATATION): Principle of Floatation; Laws of Floatation; Applications of Laws of Floatation; Numericals Chemistry: ATOMS AND MOLECULES: by taking combining capacity with Cl; Valency of an ion; Chemical Formula ; Molecular Formula; Significance of Molecular Formula of a substance WHY DO WE FALL ILL: Organ specific and tissue specific manifestations; Signs and symptoms; Principles of treatment; Reduce the effects of the disease; Killing the infectious agents"
MAT Daily Test 31	Complete Syllabus
Mathematics Daily Test 31	Revision Test (Quadrilaterals)
Science Daily Test 31	Physics: WORK AND ENERGY: Concept of Work; Factors on which Amount of Work Depends; Work Done by a Constant Force; Unit of Work; Numericals; Work Done Against Gravitation Chemistry: ATOMS AND MOLECULES: Rules of writing a Molecular Formula; Chemical formula of simple Molecular compounds; Chemical formula of compounds containing polyatomic ions; Molecular Weight or Molecular Mass; Gram Atomic Mass and Gram Molecular Mass; Formula Unit and Formula Mass; Numericals on Molecular Weight and Formula Mass Biology: WHY DO WE FALL ILL: Principles of prevention; General ways of preventing infection; Public health measures; Personal health measure; Specific ways of preventing infections; Principle of immunization"

DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
MAT Daily Test 32	Complete Syllabus
Mathematics Daily Test 32	AREAS OF PARALLELOGRAMS AND TRIANGLES: Introduction; Figures on the same base and between the same parallels; Figures on the same base; Figures between the same parallels; Figures on the same base and between the same parallel
Science Daily Test 32	Physics: WORK AND ENERGY: Nature of Work; Positive Work; Negative Work; Zero Work; Examples; Energy; Forms of Energy Chemistry: ATOMS AND MOLECULES: Mole Concept; Mole in terms of mass; Mole in terms of number; Mole in terms of volume; Concept of Molar Mass and Molar volume; Application of Mole in Solution; Molarity of a Solution Biology: WHY DO WE FALL ILL: Principles of prevention; General ways of preventing infection; Public health measures; Personal health measure; Specific ways of preventing infections; Principle of immunization"
MAT Daily Test 33	Complete Syllabus
Mathematics Daily Test 33	AREAS OF PARALLELOGRAMS AND TRIANGLES: Formula to find the area of the given plane figure; Area of parallelogram; Area of triangle; Problem Discussion
Science Daily Test 33	Physics: Motion (complete chapter), Force and laws of Motion (complete chapter) Chemistry: Is matter around us pure, Matter in our surroundings Biology: Cell: The fundamental unit of life, Tissues
MAT Daily Test 34	Complete Syllabus
Mathematics Daily Test 34	AREAS OF PARALLELOGRAMS AND TRIANGLES: Triangles on the same base and between the same parallels; Triangles on the same base and between the same parallels are equal in area; Triangles having the same base and equal areas lie between the same parallels
Science Daily Test 34	Physics: Gravitation (revision test) Chemistry: Is matter around us pure? (complete chapter) Biology: Improvement in food resources(complete chapter)
MAT Daily Test 35	Complete syllabus

DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
Mathematics Daily Test 35	Revision Test(Areas of Parallelograms and Triangles)
Science Daily Test 35	Physics: Work and energy(complete chapter) Chemistry: Structure of atom(complete chapter) Biology: Health and diseases(why do we fall ill)(complete chapter)
Mathematics Daily Test 36	Areas of Parallelograms and Triangles (Revision Test)
Science Daily Test 36	Physics: Sound(complete chapter) Chemistry: Structure of atom(complete chapter) Biology: Natural resources(complete chapter)
Mathematics Daily Test 37	CIRCLES: Introduction, Some important terms related to circle, Angle Subtended by Chord at a Point, Theorem 1, CIRCLES: Theorem 2, Perpendicular from Centre to a Chord, Theorem 3, Theorem 4
Mathematics Daily Test 38	Theorem 5; Theorem 6, CIRCLES: Circle through three points; Theorem 7: There is one and only one circle passing through three given non-collinear points; Congruence of circles and arcs; Theorem 8 : If two arcs of a circle (or of congruent circles) are congruent, then the corresponding chords are equal(and its converse) Theorem 9:
Mathematics Daily Test 39	CIRCLES: Arcs and angles subtended by them; Theorem 10: The angles subtended by an arc of a circle at the centre is double the angle subtended by it at any point on the remaining part of the circle, Theorem 11: Angles in the same segment of the circle are equal
Mathematics Daily Test 40	CIRCLES: Theorem 12: If a line segment joining two points subtends equal angles at two points lying on the same side of the line segment, then the four points are concyclic, Cyclic quadrilaterals; Theorem 13: Sum of either pair of a cyclic quadrilateral is 180 degree (and its converse); Theorem 14: Converse of Theorem 13
Mathematics Daily Test 41	CIRCLES (Revision test)
Mathematics Daily Test 42	CIRCLES (Revision Test)

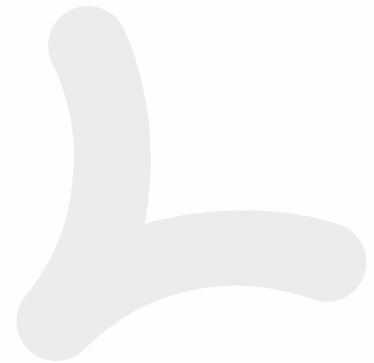
DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
Mathematics Daily Test 43	CONSTRUCTIONS: Introduction; Perpendicular bisector of a line segment; Bisector of an angle; Construction of angles; Construction of 60 degree angle; Construction of 30 degree angle; Construction of 45 degree angle; Construction of 120 degree angle; Construction of 90 degree angle; Construction of 150 degree angle; Construction of 135 degree angle, Some constructions of triangles; To construct a triangle, given its base, a base angle and sum of other two sides; To construct a triangle with given base, a base angle and the difference of other two sides; To construct a triangle with the given perimeter and the base angles
Mathematics Daily Test 44	HERON'S FORMULA: Area of triangles using Heron's Formula, Applications of Heron's formula in finding the area of a quadrilateral
Mathematics Daily Test 45	Constructions & Hexon's formula (Revision test)
Mathematics Daily Test 46	SURFACE AREAS AND VOLUMES: Introduction, Cuboid, Terms related to cuboid, Surface area of a cuboid, Volume of a cuboid, Cube, Surface area of cube, Lateral surface area of cube; Volume of cube; Problem Discussion.
Mathematics Daily Test 47	Surface areas and volumes : Right circular cylinder; Surface area of right circular cylinder; Surface area of a hollow cylinder; Volume of a cylinder; Volume of a hollow cylinder; Right circular cone; Surface area of right circular cone; Volume of a right circular cone
Mathematics Daily Test 48	Surface areas and Volumes : Sphere and Hemisphere, Section of a Sphere by a Plane, Surface Area of Sphere, Hemisphere and Spherical Shell, Volume of Sphere, Hemisphere and Spherical Shell
Mathematics Daily Test 49	Surface Areas and Volumes (Revision test)
Mathematics Daily Test 50	STATISTICS: Introduction, Collection of data, Primary Data, Secondary data, Presentation of data, Raw data, Data presented in ascending and descending order, Data presented in the form of ungrouped frequency distribution, Data presented in the form of grouped frequency distribution, Inclusive method, Exclusive method, Class mark of a class, Width of Classes in Continuous form, Width of classes in Discontinuous form, Cumulative Frequency of a class,

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DAILY TEST SCHEDULE & SYLLABUS

Test Name	Test Syllabus
Mathematics Daily Test 51	STATISTICS: Graphical representation of data; Bar graph of data; Histogram; Histogram for a continuous grouped frequency distribution; Histogram for a discrete frequency distribution ; Frequency polygon; Method to draw frequency polygon using histogram; Method to draw frequency polygon using class marks of the classes, Measures of central tendency; Mean; Median; Mode
Mathematics Daily Test 52	STATISTICS (Revision Test)
Mathematics Daily Test 53	PROBABILITY: Introduction; Basic terms related to probability; Experiment; Random experiment; Trial; Outcomes; Event; Equally likely outcomes; Event associated with a random experiment, Empirical probability of an event; Sure event; Impossible event



Summary for Class IX

Ranker Package	
Year Syllabus	Class IX
AIATS	6
Unit Tests	6
Part Tests	2
Full Syllabus Tests	2
Olympiads Tests	4
Daily Practice Tests	147