



# Aakash

Medical | IIT-JEE | Foundations



## Ranker Test Series Schedule

For Class- IX (2024-25)

### Test Package Section B

Test	Date	Day	TOPIC
UT-1	08-Jun-2024	Saturday	<b>Physics</b> : Motion <b>Chemistry</b> : Matter in Our Surroundings <b>Maths</b> : Number Systems, Polynomials
UT-2	13-Jul-2024	Saturday	<b>Physics</b> : Force and Laws of Motion <b>Biology</b> : The Fundamental Unit of Life <b>Maths</b> : Coordinate Geometry, Linear Equation in Two Variables, Introduction to Euclid's Geometry
UT-3	10-Aug-2024	Saturday	<b>Chemistry</b> : Is Matter Around Us Pure? <b>Biology</b> : Tissues <b>Maths</b> : Lines and Angles, Triangles
PT-1	31-Aug-2024	Saturday	<b>For Science &amp; Maths</b> : Complete Syllabus of Module-1
UT-4	19-Oct-2024	Saturday	<b>Physics</b> : Work and Energy <b>Biology</b> : Improvement in Food Resources (upto Crop Protection Management) <b>Maths</b> : Circles
UT-5	16-Nov-2024	Saturday	<b>Chemistry</b> : Atoms and Molecules <b>Biology</b> : Improvement in Food Resources(complete chapter) <b>Maths</b> : Heron's Formula
UT-6	14-Dec-2024	Saturday	<b>Physics</b> : Sound <b>Chemistry</b> : Structure of Atom <b>Maths</b> : Surface Areas and Volumes, Statistics
PT-2	21-Dec-2024	Saturday	<b>For Science &amp; Maths</b> : Complete Syllabus Of Module-2
FST-1	04-Jan-2025	Saturday	Complete Syllabus
FST-2	11-Jan-2025	Saturday	Complete Syllabus

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

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

For 2 year and 4 Year Students this schedule is for 1st year only | Next year schedule shall be intimated in April 2025

NOTE : As per prescribed syllabus by CBSE for session 2024-25





# Ranker Test Series Schedule

For Class- IX (2024-25)

## AIATS (CBSE) Test Schedule for Class IX

Test No.	Subject	Test Date Only for ONLINE Students	Type	Topics of the Test
<b>AIATS-Practice Test (Online)</b>	Science, Maths & MAT	28th Jul (AIATS-Practice Test) Online	Objective	<b>Physics:</b> Motion <b>Chemistry:</b> Matter in Our Surroundings <b>Biology:</b> The Fundamental Unit of Life <b>Maths:</b> Number Systems, Polynomials, Coordinate Geometry, Linear Equations in two Variables, Introduction to Euclid's Geometry <b>MAT:</b> Number Series, Letter Series, Non-Verbal Series, Analogy (Verbal and Non-Verbal), Mathematical operations
<b>AIATS-1</b>	Science, Maths & MAT	18th Aug 2024	Objective	<b>PCMB-</b> Syllabus of Practice test <b>MAT-</b> Syllabus of Practice test
<b>AIATS-2</b>	Science, Maths & MAT	6th Oct 2024	Objective	<b>Physics:</b> Motion, Force and Laws of Motion, Gravitation <b>Chemistry:</b> Matter in Our Surroundings , Is Matter Around Us Pure? <b>Biology:</b> The Fundamental Unit of Life, Tissues <b>Maths:</b> Number Systems, Polynomials, Coordinate Geometry, Linear Equations in two Variables, Introduction to Euclid's Geometry, Lines and Angles, Triangles, Quadrilaterals <b>MAT:</b> Diagrammatic puzzles, Direction Sense Test, Coding – Decoding, Blood Relation, Ranking Test, Analytical reasoning, Calendar and Clock
<b>AIATS-3</b>	Science, Maths & MAT	1st Dec 2024	Objective	<b>Physics:</b> Work and Energy(Complete Chapter) <b>Chemistry:</b> Atoms and Molecules <b>Biology:</b> Tissues,Improvement in Food Resources(Upto Crop Protection Management) <b>Maths:</b> Triangles, Quadrilaterals, Circles <b>MAT-</b> Complete Syllabus
<b>AIATS-4</b>	Science, Maths & MAT	12th Jan 2025	Objective	<b>Physics:</b> Work and Energy(Complete Chapter), Sound(Production of Sound, Describing a Sound Wave, Time Period and Wavelength) <b>Chemistry:</b> Atoms and Molecules, Structure of Atom (Fundamental particles of Atom, Cathode rays, Anode rays, Atomic models - Thomsons Model, Rutherford's Model, Bohr's atomic Model) <b>Biology:</b> Improvement in Food Resources(Complete Chapter) <b>Maths:</b> Quadrilaterals, Circles, Heron's Formula, Surface Areas and Volumes, Statistics <b>MAT:</b> Complete syllabus
<b>AIATS-5</b>	Science, Maths & MAT	9th Feb 2025	Objective	Complete Syllabus

**Note:** Online Tests will start at 10 AM as per the given dates of exam and test window is for 48 hours.





# Ranker Test Series Schedule

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## Daily Practice Test Schedule & Syllabus for Class IX

Subject	Chapter with topics
Biology 1	THE FUNDAMENTAL UNIT OF LIFE (Events Related to Cytology, What are Living Organisms Made Up of?, Instruments for Studying Cells, Structural Organization of a Cell)
Chemistry 1	Matter in Our Surroundings (The Matter, Physical Nature of Matter, Classification of Matter, The Solid state, The Liquid state)
MAT 1	Number series
Mathematics 1	Numer Systems
Physics 1	MOTION (State of a body, Types of motion, Scalar and Vector quantities, Distance and Displacement, Speed and Velocity)
Social Sc 1	India-Size and Location
Biology 2	THE FUNDAMENTAL UNIT OF LIFE (Plasma Membrane and its Functions(Passive Transport, Diffusion and Osmosis, Types of Solution), Fluid mosaic model of plasma membrane, Facilitated transport, Active transport, bulk transport)
Chemistry 2	Matter in Our Surroundings (Evaporation, Boiling, Difference between Evaporation and Boiling, Some Important Topics Related to Matter, Viscosity, Surface Tension, The Gaseous State, Condensation of a gas)
MAT 2	Letter series (Alphabetic Series)
Mathematics 2	Numer Systems
Physics 2	MOTION (Acceleration and Retardation)
Social Sc 2	The French Revolution
Biology 3	THE FUNDAMENTAL UNIT OF LIFE (Cell wall, Nucleus, Types of Cell (Prokaryotic Cells and Eukaryotic Cells), Cytoplasm)
Chemistry 3	Matter in Our Surroundings (Difference between Gas and Vapour, Comparison between Solid, Liquid and gas, The Plasma, BEC)
MAT 3	Letter series (Pattern Series)
Mathematics 3	Numer Systems
Physics 3	MOTION (Slope of a line, Graphical Representation of Motion, Equations of Motion)
Social Sc 3	The French Revolution
Biology 4	THE FUNDAMENTAL UNIT OF LIFE (Cell Organelles, Plastid and its Types, Vacuole and its Types, Development and interconversions of plastids, Centrosomes, Microbodies, Cell Division)
Chemistry 4	Matter in Our Surroundings (State variables, Effects of variables on states of matter, Inter-conversion of States of Matter, Definition of interconversion of states of matter)
MAT 4	Analogy
Mathematics 4	POLYNOMIALS
Physics 4	MOTION (Derivation of Equation of Motion By Graphical Method, Distance travelled in nth Second)
Social Sc 4	What is Democracy? Why Democracy?



# Ranker Test Series Schedule

## For Class- IX (2024-25)

### Daily Practice Test Schedule & Syllabus for Class IX

Subject	Chapter with topics
Biology 5	TISSUES (Are plants and animals made of same types of tissues, Plant Tissues, Meristematic Tissues, Permanent Tissues, Simple Permanent Tissues (Parenchyma, Collenchyma and Sclerenchyma Tissues))
Chemistry 5	Is Matter Around Us Pure (Matter, Pure Substances: Elements and Compounds, Impure substances : Mixtures, What is a Solution?)
MAT 5	Mathematical operation
Mathematics 5	POLYNOMIALS
Physics 5	MOTION (Uniform Circular Motion, Relative velocity)
Social Sc 5	The Story of Village Palampur
Biology 6	TISSUES (Protective Tissue(Epidermis, Cork), Complex Permanent Tissues(Xylem, Phloem), Types of sclerenchyma tissue, Guard cells, T.S. and functions of cork, )
Chemistry 6	Is Matter Around Us Pure (Concentration of Solution, Heterogeneous Mixture, Factors affecting solubility, Characteristics of colloids, More about colloidal composition)
MAT 6	Direction Sense test
Mathematics 6	POLYNOMIALS
Physics 6	FORCE AND LAWS OF MOTION (Force and its Effects, Galileo's Experiment, Newton's First Law of Motion, Inertia and Its Types)
Social Sc 6	Physical Features of India
Biology 7	TISSUES (Animal Tissues, Epithelial Tissues and its types, Connective Tissues and its types, Skeletal Tissues(Cartilage, Bone), Vascular Connective Tissues(Blood, Lymph),Composition of Blood Cells)
Chemistry 7	Is Matter Around Us Pure (Physical and Chemical Changes, Separation Methods of Various Mixture Components, Separation of a Solid from Other Solids, Separation of Mixture of a Solid from Liquid)
MAT 7	Coding and Decoding
Mathematics 7	COORDINATE GEOMETRY
Physics 7	FORCE AND LAWS OF MOTION (Linear Momentum , Newton's Second Law of Motion, Application of Newton's second Law of Motion)
Social Sc 7	Socialism in Europe and the Russian Revolutions
Biology 8	TISSUES (Muscular Tissues(Striated Muscles, Smooth Muscles, Cardiac Muscles),Nervous Tissue, Some important point about structure of Neuron)
Chemistry 8	Is Matter Around Us Pure (Separation of Mixture of Two Liquids, Separation of different gases from air , Water purification system in water works, Summary of Separation Techniques)
MAT 8	Blood relation
Mathematics 8	COORDINATE GEOMETRY
Physics 8	FORCE AND LAWS OF MOTION (Impulse, Newton's Third Law of Motion, Application, Conservation of Linear Momentum)
Social Sc 8	Socialism in Europe and the Russian Revolutions



# Ranker Test Series Schedule

For Class- IX (2024-25)

## Daily Practice Test Schedule & Syllabus for Class IX

Subject	Chapter with topics
Biology 9	IMPROVEMENT IN FOOD RESOURCES ( Crops, Crop Variety Improvement , Hybridization, Recombinant DNA Technology, Crop Production Management -Nutrient Management, Crop Protection Management)
Chemistry 9	Atoms and Molecules (Introduction, Law of Chemical Combination, Law of Multiple proportion, Dalton's Atomic Theory, Atoms)
MAT 9	Ranking Test
Mathematics 9	LINEAR EQUATIONS IN TWO VARIABLES
Physics 9	FORCE AND LAWS OF MOTION (Connected Motion, Force of Friction)
Social Sc 9	Constitutional Design
Biology 10	IMPROVEMENT IN FOOD RESOURCES ( Animal Husbandry, Cattle Farming, Poultry Farming, Fish Production-Fisheries, Aquaculture, Composite fish culture,Bee keeping, Varieties of Honey Bee)
Chemistry 10	Atoms and Molecules (Molecules, Molecules of Compounds, Differences between Atoms and Molecules, Ions, Polyatomic ions, Concept of Valency, Determination of Valency, Chemical Formula)
MAT 10	Analytical reasoning
Mathematics 10	LINEAR EQUATIONS IN TWO VARIABLES
Physics 10	GRAVITATION (Newton's Law of Gravitation, Centripetal Force and its Application, Acceleration due to Gravity, Orbital Speed, Escape Velocity, Variation of Acceleration due to Gravity)
Social Sc 10	People as Resource
Chemistry 11	Atoms and Molecules (Molecular Weight or Molecular Mass, Gram Atomic Mass and Gram Molecular Mass, Formula Unit and Formula Unit Mass, Mole Concept (Mole in terms of mass, Mole in terms of number, Concept of Molar Mass))
MAT 11	Calendar and Clock
Mathematics 11	Introduction to Euclid's Geometry
Physics 11	GRAVITATION (Motion of Objects Under the Influence of Gravitational Force of the Earth, Mass and Weight, Centre of Mass and Centre of Gravity, Weightlessness, Force Exerted on a Load by the Floor of a Lift)
Social Sc 11	Drainage
Chemistry 12	Atoms and Molecules (Mole Concept (Mole in terms of volume, Concept of molar Volume), Application of Mole in solution (Molarity of a solution, Molality of a solution), Percentage Composition)
MAT 12	Water image
Mathematics 12	Introduction to Euclid's Geometry
Physics 12	GRAVITATION (General Idea of Kepler's laws of Planetary Motion, Thrust and Pressure, Density and Relative Density)
Social Sc 12	Nazism and the Rise of Hitler



# Ranker Test Series Schedule

## For Class- IX (2024-25)

### Daily Practice Test Schedule & Syllabus for Class IX

Subject	Chapter with topics
Chemistry 13	Structure of Atom (Introduction, Fundamental Particles of Atoms, Cathode rays, Anode rays, Atomic Models (Thomson's model of atom, Rutherford's model of atom) )
MAT 13	Mirror image
Mathematics 13	LINES AND ANGLES
Physics 13	GRAVITATION (Pressure in Fluids, Buoyant Force, Archimedes' Principle, Mathematical Expression for Upward Thrust, Principle of Floatation, Laws of Floatation)
Social Sc 13	Nazism and the Rise of Hitler
Chemistry 14	Structure of Atom (Bohr's Atomic Model, Bohr's model for hydrogen atom, Bohr's radius , Limitations of Bohr's model, Discovery of Neutron, Comparative Study of Subatomic Particles, Atomic Numbers and Mass Number )
MAT 14	Cubes and Dice (Cubes)
Mathematics 14	LINES AND ANGLES
Physics 14	WORK AND ENERGY (Concept of Work, Conservative and Non-conservative Forces, Work Done by a Force Acting Obliquely, Nature of Work, Energy (Forms of Energy))
Social Sc 14	Electoral Politics
Chemistry 15	Structure of Atom ( Electronic Configuration of an Element, Valency and valence electrons, Isotopes and isobars, Isotones, Isolectronic species, Isodiaphers, Quantum numbers, Rules for filling electrons in orbitals)
MAT 15	Cubes and Dice (Dice)
Mathematics 15	LINES AND ANGLES
Physics 15	WORK AND ENERGY (Kinetic Energy, Potential Energy)
Social Sc 15	Poverty as a Challenge
MAT 16	Classification
Mathematics 16	TRIANGLES
Physics 16	WORK AND ENERGY (Transformation of Energy, Law of Conservation of Energy, Work Energy Theorem, Energy Conservation Diagram)
Social Sc 16	Climate
MAT 17	Non-Verbal Series
Mathematics 17	TRIANGLES
Physics 17	WORK AND ENERGY (Power, Instantaneous Power in terms of Velocity)
Social Sc 17	Climate
MAT 18	Non-Verbal Analogy
Mathematics 18	TRIANGLES
Physics 18	SOUND (Production of Sound, Propagation of Sound, Graphical Representation of Sound Wave, Describing a Sound Wave)
Social Sc 18	Forest Society and Colonialism



# Ranker Test Series Schedule

For Class- IX (2024-25)

## Daily Practice Test Schedule & Syllabus for Class IX

Subject	Chapter with topics
MAT 19	Diagrammatic Puzzles
Mathematics 19	QUADRILATERALS
Physics 19	SOUND (Speed of Sound in Different Media, Factors Affecting Speed of Sound, Time Period and Wavelength,)
Social Sc 19	Pastoralists in the Modern World
MAT 20	Miscellaneous
Mathematics 20	QUADRILATERALS
Physics 20	SOUND (Characteristics of a Sound, Intensity of Sound, Reflection of Sound, Audible and Inaudible Sounds, Application of Ultrasound)
Social Sc 20	Working of Institutions
Mathematics 21	CIRCLES
Social Sc 21	Food Security in India
Mathematics 22	CIRCLES
Social Sc 22	Natural Vegetation and Wildlife
Mathematics 23	CIRCLES
Social Sc 23	Democratic Rights
Mathematics 24	HERON'S FORMULA
Social Sc 24	Population
Mathematics 25	HERON'S FORMULA
Mathematics 26	SURFACE AREAS AND VOLUMES
Mathematics 27	SURFACE AREAS AND VOLUMES
Mathematics 28	SURFACE AREAS AND VOLUMES
Mathematics 29	STATISTICS
Mathematics 30	STATISTICS



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## Summary for Class IX

### RANKER PACKAGE

Year Syllabus	Class IX
AIATS	6
Unit Tests	6
Part Tests	2
Full Syllabus Tests	2
Daily Practice Tests	119

