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Ranker Test Series Schedule

For Class- X (2024-25)

Test Package Section B

Test	Date	Day	TOPIC
UT-1	08-Jun-2024	Saturday	Physics : Light-Reflection and Refraction Chemistry : Chemical Reactions and Equations Maths : Real Number, Polynomials, Pair of Linear Equations in Two Variables
UT-2	13-Jul-2024	Saturday	Physics : Human Eye and Colourful World Biology : Life Processes Maths : Quadratic Equations, Arithmetic Progressions
UT-3	10-Aug-2024	Saturday	Chemistry : Acids, Bases and Salts Biology : Control and Coordination Maths : Triangles, Coordinate Geometry
PT-1	31-Aug-2024	Saturday	For Science & Maths: Complete Syllabus of Module-1
UT-4	28-Sep-2024	Saturday	Physics : Electricity Biology : Heredity Maths : Circles
UT-5	19-Oct-2024	Saturday	Physics : Magnetic Effects of Electric Current Chemistry : Metals and Non-metals Maths : Areas Related to Circles, Surface Areas & Volumes
UT-6	16-Nov-2024	Saturday	Chemistry : Carbon and its Compounds Biology : Our Environment Maths : Statistics, Probability
PT-2	23-Nov-2024	Saturday	For Science & Maths: Complete Syllabus Of Module-2
FST-1	07-Dec-2024	Saturday	Complete Syllabus
FST-2	21-Dec-2024	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

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

Note: This schedule is for academic year 2024-25 only | Next year schedule shall be intimated in April 2025





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For Class- X (2024-25)

AIATS (CBSE) Test Schedule for Class X

Test No.	Subject	Test Date Only for ONLINE Students	Type	Topics of the Test
AIATS-Practice Test (Online)	Science, Maths & MAT	28th Jul 2024	Objective	<p>Physics: Light: Reflection and Refraction</p> <p>Chemistry: Chemical Reactions and Equations</p> <p>Biology: Life Processes</p> <p>Maths: Real Numbers, Polynomials, Pair of Linear Equations in Two Variables, Quadratic Equations, Arithmetic Progressions</p> <p>MAT: Number Series, Alphabetical Series, Alphanumeric Series, Non-Verbal Series, Analogy (Verbal and Non-Verbal), Classification (Verbal and Non-Verbal), Direction Sense Test, Coding and Decoding</p>
AIATS-1	Science, Maths & MAT	18th Aug 2024	Objective	<p>PCMB- Syllabus of Practice test</p> <p>MAT- Syllabus of Practice test</p>
AIATS-2	Science, Maths & MAT	6th Oct 2024	Objective	<p>Physics: Light: Reflection and Refraction, Human Eye and Colourful World</p> <p>Chemistry: Chemical Reactions and Equations, Acids, Bases and Salts</p> <p>Biology: Life Processes, Control and Coordination, How do Organisms Reproduce</p> <p>Maths: Real Numbers, Polynomials, Pair of Linear Equations in Two Variables, Quadratic Equations, Arithmetic Progressions, Triangles, Coordinate Geometry, Introduction to Trigonometry, Some Applications of Trigonometry</p> <p>MAT: Blood Relation, Venn diagram, Syllogism, Mathematical operations, Number and Alphabet Test, Diagrammatic puzzles, Ranking Test, Analytical reasoning, Calendar, Clock and Time</p>
AIATS-3	Science, Maths & MAT	1st Dec 2024	Objective	<p>Physics: Electricity</p> <p>Chemistry: Metals and Non-metals</p> <p>Biology: How do Organisms Reproduce, Heredity</p> <p>Maths: Introduction to Trigonometry, Some Applications of Trigonometry, Circles, Areas Related to Circles</p> <p>MAT: Complete Syllabus</p>
AIATS-4	Science, Maths & MAT	12th Jan 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.





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Daily Practice Test Schedule & Syllabus for Class X

Subject	Chapter with topics
Biology 1	Life Processes (Life Processes, Nutrition, Modes of Nutrition- Autotrophic Nutrition (Site of Photosynthesis) and Heterotrophic Nutrition, How do Organisms Obtain their Nutrition?, Nutrition in Human Beings(Alimentary Canal))
Chemical 1	Chemical Reactions and Equations (Types of change in Matter, Chemical Equation, Balancing of chemical equation, Information conveyed by a chemical equation, Types of a Chemical Equation (Combination reaction))
MAT 1	Number Series
Mathematics 1	Real Numbers
Physics 1	LIGHT: REFLECTION AND REFRACTION (Properties of Light, Propagation of Light, Reflection of Light, Reflection at plane surfaces, Velocity of image in a plane mirror, Minimum length of plane mirror, Image formed in a pair of mirrors)
Social Science 1	Resources and Development
Biology 2	Life Processes (Respiration, Aerobic Respiration, Anaerobic Respiration ,Respiration in Animals, Respiration in Plants, Human Respiratory System, Mechanism of Breathing)
Chemical 2	Chemical Reactions and Equations (Decomposition reaction, Displacement reaction, Double displacement reaction)
MAT 2	Alphabetical and Alphanumerical series (Alphabetic & Alphanumeric Series)
Mathematics 2	Real Numbers
Physics 2	LIGHT: REFLECTION AND REFRACTION (Spherical Mirrors, Reflection at Spherical Mirrors, Mirror Formula, Magnification, Uses of Spherical Mirrors, Magnification Produced by a Mirror in terms of u, v and f)
Social Science 2	The Rise of Nationalism in Europe
Biology 3	Life Processes (Transportation in Human beings(Blood and its Function),Human Circulatory System, Lymphatic System, Transportation in Plants(Passive and active absorption, guttation))
Chemical 3	Chemical Reactions and Equations (Precipitation reaction, Neutralisation reaction, Ty pes of Chemical Reactions, Exothermic and Endothermic reaction, Few more types of reactions, Spontaneous and Non - spontaneous processes)
MAT 3	Alphabetical and Alphanumerical series (Pattern Series)
Mathematics 3	Polynomials
Physics 3	LIGHT: REFLECTION AND REFRACTION (Refraction of Light, Laws of Refraction, Absolute and Relative Refractive Index, Simple Effects of Refraction, Refraction Through a Rectangular Glass Slab, Lateral Displacement, Apparent Depth of a Tank)
Social Science 3	The Rise of Nationalism in Europe
Biology 4	Life Processes (Excretion in Human Beings, Nephron, Mechanism of Excretion, Excretion in Plants, Types of nitrogenous waste (longitudinal section of kidney), Role of other organs in excretion)



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Subject	Chapter with topics
Chemical 4	Chemical Reactions and Equations (Oxidation and Reduction reactions, Modern concept of oxidation and reduction, Oxidation number, Calculation of oxidation numbers of various elements, Redox reaction, Effect of Oxidation in Everyday Life, Rate of chemical reaction, rate law, factors affecting R.O.R., catalyst, Enzymes as biochemical catalyst)
MAT 4	Analogy(Verbal)
Mathematics 4	Polynomials
Physics 4	LIGHT: REFLECTION AND REFRACTION (Spherical Lenses(Refraction by Spherical Lenses, Laws of Image Formation by Spherical Lenses), Lens Formula, Magnification Produced by a Lens)
Social Science 4	Power Sharing
Biology 5	CONTROL AND COORDINATION (Control and Coordination in Animals, Nervous System(Neuron, Conduction of Nerve Impulse), Synapse and Neuromuscular Junction, Receptors, Reflex Action and its types, Mechanism of Reflex Action)
Chemical 5	Acids, Bases and Salts (Acids, Arrhenius concept of acids, Classification of Acids, Preparation of Acids, Properties of Acids, Some Chemical properties of acids)
MAT 5	Classification (Verbal)
Mathematics 5	Pair of linear Equations in two Variables
Physics 5	LIGHT: REFLECTION AND REFRACTION (Power of a Lens, Images Formation by Convex and Concave Lenses, Application in Daily Life)
Social Science 5	Development
Biology 6	CONTROL AND COORDINATION (Human Nervous System(Central Nervous System, Peripheral Nervous System), Protection of central nervous system, Structure of brain and spinal cord))
Chemical 6	Acids, Bases and Salts (Uses of Acids, All the compounds containing hydrogen are not acids, Arrhenius concept of bases, Classification of Bases, Properties of Bases, Some Chemical properties of Bases, Uses of Bases, Reactivity of Acids and Bases, Uses and heat of Neutralization)
MAT 6	Direction Test
Mathematics 6	Pair of linear Equations in two Variables
Physics 6	HUMAN EYE AND COLOURFUL WORLD (The Human Eye, Defects of Vision, Persistence of Vision)
Social Science 6	Forest and Wildlife resources
Biology 7	CONTROL AND COORDINATION (Coordination in Plants, (Nastic Movements(only seismonasty), Tropic Movements), Plant Hormones, Photoperiodism)
Chemical 7	Acids, Bases and Salts (Indicator, Strength of Acids and Bases, pH of Acids and Bases, Uses of pH value, Salts, Family of salts, pH of salts, Nomenclature, Classification, preparation and properties of salts, Deliquescent and Efflorescent salts), Hygroscopic and Desiccating substances)



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Subject	Chapter with topics
MAT 7	Coding-Decoding
Mathematics 7	Quadratic Equations
Physics 7	HUMAN EYE AND COLOURFUL WORLD (Refraction of Light Through a Prism, Condition for Minimum Deviation, Dispersion of White Light by Glass Prism, Atmospheric Refraction of Light, Scattering of Light, Colour Detection by Human Eye, Critical Angle, Total Internal Ref lection)
Social Science 7	Nationalism in India
Biology 8	CONTROL AND COORDINATION (Endocrine System, Hormones in Animals, General Properties of Hormones, Hypothalamus, Pituitary Gland, Thyroid Gland, Parathyroid Gland, Thymus Gland)
Chemical 8	Acids, Bases and Salts (Some important salts)
MAT 8	Blood Relation
Mathematics 8	Quadratic Equations
Physics 8	ELECTRICITY (Electric Charge(Properties of Electric Charge), Conductors and Insulators, Electric Current)
Social Science 8	Nationalism in India
Biology 9	CONTROL AND COORDINATION (Adrenal Glands, Pancreas and Gonads, Pineal Gland, Feedback system, Homoeostasis)
Chemical 9	Metals and Non-metals (Metals, Occurrence of metals, Physical and Chemical properties of metals, Uses of metals)
MAT 9	Venn Diagram
Mathematics 9	Quadratic Equations
Physics 9	ELECTRICITY (Coulomb's Law, Electric Field and Electric Field Intensity, Electric Lines of Force or Electric Field Lines, Electric Potential and Potential Difference, Flow of Charge)
Social Science 9	Federalism
Biology 10	HOW DO ORGANISMS REPRODUCE? (Life span ,Modes of reproduction, Asexual Reproduction (Fission- Binary fission and Multiple fission), Fragmentation, Regeneration)
Chemical 10	Metals and Non-metals (Non-Metals, Occurrence of non-metals, Physical and Chemical properties of non-metals, Uses of non-metals, Comparative study of Metals and Non -metals, Interaction in Metals and Non-Metals, Chemical bond, Causes of chemical bond formation, Ionic Bond, Covalent Bond, Octet formation, Comparative Study of Properties of Ionic and Covalent Compounds, co-ordinate covalent compound)
MAT 10	Syllogism



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Subject	Chapter with topics
Mathematics 10	Arithmetic Progressions
Physics 10	ELECTRICITY (Ohm's Law (Resistance and Resistivity))
Social Science 10	Sectors of the Indian Economy
Biology 11	HOW DO ORGANISMS REPRODUCE? (Budding, Spore formation, Vegetative propagation (by roots, by stems, by leaves), Artificial (Vegetative Propagation), Advantages of vegetative propagation, Significances of asexual reproduction)
Chemical 11	Metals and Non-metals (Metals in Nature, Ores, Metallurgy : Extraction of metals, Extraction of various metals according to their reactivity(Mining, sizing and Concentration of ores), More About Metallurgy, Oxidation of ore into oxide ore, Reduction of oxide ore into metal , Refining, Alloys , Corrosion)
MAT 11	Mathematical Operations
Mathematics 11	Arithmetic Progressions
Physics 11	ELECTRICITY (Electrical Circuits, Electric Symbols, Electromotive Force and Terminal Voltage, Internal resistance, Combination of Resistors)
Social Science 11	Water Resources
Biology 12	HOW DO ORGANISMS REPRODUCE? (Micropropagation and its advantages, Sexual Reproduction (Sexual reproduction in flowering plants, Fertilization in plants))
Chemical 12	Carbon and its Compounds (Introduction, Occurrence, Allotropes of Carbon, Bonding of carbon with itself, Bonding of carbon with other atom, Organic Chemistry, Reasons for Large Number of Organic Compounds, Reasons for Large Number of Organic Compounds, Isomerism and types of structural isomers, Functional Groups, The Homologous Series and its Characteristics)
MAT 12	Ranking Test
Mathematics 12	Arithmetic Progressions
Physics 12	ELECTRICITY (Common Measuring Instruments, Joule's Heating Effect of Current, Special Cases for Electrical Power)
Social Science 12	The Making of a Global World
Biology 13	HOW DO ORGANISMS REPRODUCE? (Reproduction in human beings, Phases of sexual reproduction , Male Reproductive system)
Chemical 13	Carbon and its Compounds (IUPAC Nomenclature of Organic Compounds)
MAT 13	Number and Alphabet test
Mathematics 13	Triangles





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Subject	Chapter with topics
Physics 13	MAGNETIC EFFECTS OF ELECTRIC CURRENT (Magnetic Field and Its Unit, Magnetic Field Lines and Its Properties, Magnetic Field due to Various Current Carrying Conductors,)
Social Science 13	The Age of Industrialization
Biology 14	HOW DO ORGANISMS REPRODUCE? (Female Reproductive system, Fertilization in human beings)
Chemical 14	Carbon and its Compounds (Types of Chemical Reactions in Organic Compounds, Hybridization, Some Important Organic Compounds - Ethyl Alcohol or Ethanol)
MAT 14	Analytical Reasoning
Mathematics 14	Triangles
Physics 14	MAGNETIC EFFECTS OF ELECTRIC CURRENT (Force on a Moving Charge in a Magnetic Field, Motion of Charged Particle in a Magnetic Field, Force on a Current Carrying Conductor Placed in a Magnetic Field, Fleming's Left Hand Rule, Force Between Two Parallel Current Carrying Wires)
Social Science 14	Money and Credit
Biology 15	HOW DO ORGANISMS REPRODUCE? (Mentrual cycle, Functions of fertilization(cell stages),menarche and menopause, Reproductive health, Sexually Transmitted Diseases (STDs),Contraceptive methods, Terminal methods, Population size, In Vitro Fertilization(Test -tube Baby))
Chemical 15	Carbon and its Compounds (Ethanoic Acid, Soaps and Detergents)
MAT 15	Calender, Clock and time (Calender)
Mathematics 15	Triangles
Physics 15	MAGNETIC EFFECTS OF ELECTRIC CURRENT (Electromagnetic Induction, Electromagnetic Induction in Various Situations, Fleming's Right Hand Rule, Faraday's Law of Electromagnetic Induction, Lenz's law, Household Electric Circuit, Domestic Wiring , Electrical Problems)
Social Science 15	Agriculture
Biology 16	Heredity (Variations and its types, Sources of genetic variations, Heredity,Genetics terminology, Father of genetics, Why Mendel selected pea plant for his experiments?, Reason behind Mendel's success)
MAT 16	Calender, Clock and time (Clock)
Mathematics 16	Coordinate Geometry
Social Science 16	Print Culture and the Modern World
Biology 17	Heredity (Mendel's experimental techniques, Punnett square, Monohybrid cross, Dihybrid cross (Law of Independent Assortment), Sex determination (Sex chromosomes, Autosomes), Human Blood Group, Inheritance of Haemophilia in Human)



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Subject	Chapter with topics
MAT 17	Miscellaneous (Verbal)
Mathematics 17	Coordinate Geometry
Social Science 17	Gender Religion and Caste
Biology 18	Our Environment (The concept of ecosystem, Types of Ecosystem, Components of ecosystem- abiotic and biotic (Upto consumers),Decomposers and their role, Food chain(Characteristics of food chain))
MAT 18	Series (Non-Verbal)
Mathematics 18	Introduction to Trigonometry
Social Science 18	Globalisation and the Indian Econom
Biology 19	Our Environment (Significance of food chain, Trophic levels, Food Web, Types of Food chain, Flow of energy in an ecosystem, Ten percent law, Biomagnification, Ecological pyramids)
MAT 19	Analogy (Non-Verbal)
Mathematics 19	Introduction to Trigonometry
Social Science 19	Minerals and Energy Resources
Biology 20	Our Environment (How do our activities affect the environment?, Ozone layer and its depletion, Waste management ,Biogeochemical cycles, Global warming, Methods of waste disposal (Recycling and STPs),Montreal protocol, Earth summit, Kyoto protocol)
MAT 20	Classification (Non-Verbal)
Mathematics 20	Some Application of Trigonometry
Social Science 20	Manufacturing Industries
MAT 21	Diagrammatic Puzzles
Mathematics 21	Circles
Social Science 21	Political Parties
MAT 22	Cubes and Dice (Cubes)
Mathematics 22	Circles



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Daily Practice Test Schedule & Syllabus for Class X

Subject	Chapter with topics
Social Science 22	Lifelines of National Economy
MAT 23	Cubes and Dice (Dice)
Mathematics 23	Areas Related To Circles
Social Science 23	Outcomes of Democracy
MAT 24	Water Images
Mathematics 24	Areas Related To Circles
Social Science 24	Consumer Rights(For Project Work)
MAT 25	Mirror Images
Mathematics 25	Surface Areas and Volumes
MAT 26	Incomplete figures
Mathematics 26	Surface Areas and Volumes
MAT 27	Embedded Figures
Mathematics 27	Statistics
MAT 28	Transparent Paper Folding
Mathematics 28	Statistics
MAT 29	Paper folding and cutting
Mathematics 29	Probability
MAT 30	Miscellaneous (Non- Verbal)
Mathematics 30	Probability





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Summary for Class X

RANKER PACKAGE

Year Syllabus	Class X
AIATS	5
Unit Tests	6
Part Tests	2
Full Syllabus Tests	2
Daily Practice Tests	134

