



Joint Package Schedule

For Class- X (2024-25)

Study Material & Test Package Section A

| No. | Dispatch Date | Day | Details |
|-----|---------------|-----------|--|
| 1. | 17-Apr-2024 | Wednesday | Module-1: Sc: [Phy. (Ch 1 & 2), Chem. (Ch 1 & 2), 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 (PCMB)Micro-assignment |
| 2. | 17-May-2024 | Friday | Subjective Test No. 1: For Sc [P(Ch 1), C(Ch 1), B(Ch 1)] & M(Ch 1 to 5) each Solutions of Module-1: Sc: [Phy (Ch 1 & 2), Chem. (Ch 1 & 2), Bio. (Ch 1 to 3)], Maths - (Ch 1 to 9) |
| 3. | 17-July-2024 | Wednesday | Module-2: Sc.[Phy. (Ch 3 & 4), Chemistry (Ch 3 & 4), Bio. (Ch 4 & 5)], Maths - (Ch 10 to 14) NTSE Stage I Test 1 & 2 Subjective Test No. 2 : For Sc [P(Ch 2), C(Ch 2), B(Ch 2 & 3)] & M(Ch 6 to 9) each with Solutions of Subjective Test No.1 |
| 4. | 17-Aug-2024 | Saturday | Subjective Test No. 3 & 4 on Complete Syllabus of Module-1 (Sc and M each) with Solutions of Subjective Test No. 2 Special Assignments & Practice Tests for Olympiads on Module-1 (Sc and M) each with Hints & Solutions NTSE Stage I Test 3 & 4 with Hints & Solutions of NTSE Stage I Test No. 1 & 2 |
| 5. | 17-Sep-2024 | Tuesday | Subjective Test No. 5: For Sc [P(Ch 3), C(Ch 3), B(Ch 4)] & M(Ch 10, 11 & 12) each with Solutions of Subjective Test No.3 & 4 Solutions of Module-2: Sc. [Phy. (Ch 3 & 4), Chemistry (Ch 3 & 4), Bio. (Ch 4 & 5)], Maths - (Ch 10 to 14) NTSE Stage I Test 5 & 6 with Hints & Solutions of NTSE Stage I Test No. 3 & 4 Special Assignments & Practice Tests for Olympiads on Module-2 (Sc and M each) 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 |
| 6. | 17-Oct-2024 | Thursday | Subjective Test No. 6: For (Sc and M) each on Complete Syllabus of Module-2 with Solutions of Subjective Test No.5 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 7 & 8 with Hints & Solutions of NTSE Stage I Test No. 5 & 6 |
| 7. | 17-Nov-2024 | Sunday | Subjective Test No. 7, 8, 9 & 10 (Sc & M) each on Complete Syllabus on board exam pattern with Solutions of Subjective Test No.6, 7, 8, 9 & 10 NTSE Stage I Test No. 9 & 10 with Hints & Solutions of NTSE Stage I Test No. 7, 8, 9 & 10 |





Joint Package 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



Joint Package Schedule

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 | Physics: Light: Reflection and Refraction Chemistry: Chemical Reactions and Equations Biology: Life Processes Maths: Real Numbers, Polynomials, Pair of Linear Equations in Two Variables, Quadratic Equations, Arithmetic Progressions 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 |
| AIATS-1 | Science, Maths & MAT | 18th Aug 2024 | Objective | PCMB- Syllabus of Practice test MAT- Syllabus of Practice test |
| AIATS-2 | Science, Maths & MAT | 6th Oct 2024 | Objective | Physics: Light: Reflection and Refraction, Human Eye and Colourful World Chemistry: Chemical Reactions and Equations, Acids, Bases and Salts Biology: Life Processes, Control and Coordination, How do Organisms Reproduce 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 MAT: Blood Relation, Venn diagram, Syllogism, Mathematical operations, Number and Alphabet Test, Diagrammatic puzzles, Ranking Test, Analytical reasoning, Calendar, Clock and Time |
| AIATS-3 | Science, Maths & MAT | 1st Dec 2024 | Objective | Physics: Electricity Chemistry: Metals and Non-metals Biology: How do Organisms Reproduce, Heredity Maths: Introduction to Trigonometry, Some Applications of Trigonometry, Circles, Areas Related to Circles MAT: Complete Syllabus |
| 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.



Joint Package Schedule

For Class- X (2024-25)

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) |



Joint Package Schedule

For Class- X (2024-25)

Daily Practice Test Schedule & Syllabus for Class X

| 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, Deliquescence and Efflorescence salts), Hygroscopic and Desiccating substances) |



Joint Package Schedule

For Class- X (2024-25)

Daily Practice Test Schedule & Syllabus for Class X

| 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 |



Joint Package Schedule

For Class- X (2024-25)

Daily Practice Test Schedule & Syllabus for Class X

| 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 |



Joint Package Schedule

For Class- X (2024-25)

Daily Practice Test Schedule & Syllabus for Class X

| 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) |



Joint Package Schedule

For Class- X (2024-25)

Daily Practice Test Schedule & Syllabus for Class X

| 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 |



Joint Package Schedule

For Class- X (2024-25)

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 |



Aakash

Medical | IIT-JEE | Foundations

Summary for Class X

| JOINT PACKAGE | |
|----------------------|---------|
| Year Syllabus | Class X |
| AIATS | 5 |
| Unit Tests | 6 |
| Part Tests | 2 |
| Full Syllabus Tests | 2 |
| Subjective Tests | 10 |
| Olympiad Tests | 4 |
| Daily Practice Tests | 134 |
| No. of Books | 13 |

