

UP Board 12th Syllabus 2025-26 (Available)

Download Updated Syllabus of UP Board Class 12th PDF!

UP Board Syllabus 2026 Class 12: The Uttar Pradesh Madhyamik Shiksha Parishad (UPMSP) released the UP Board 12th Syllabus 2026 for the students. The students who are preparing for the upcoming board exams can find the subject-wise UPMSP Class 12th syllabus 2026 online on the board's website at upmsp.edu.in. Direct links to download the subject-wise UP Board syllabus 2026 class 12 PDFs are also provided. The board also provides the monthly division of the UP 12th syllabus for all the major subjects on its website. It must be noted that UPMSP follows the NCERT syllabus for the UP Board for the Class 12 examinations.

For better preparation of the UP Board 12th exam 2026, students are recommended to download and follow the monthly UP Board Class 12 Syllabus 2026. It can help them keep a monthly track of their syllabus coverage. Students are suggested to divide their syllabus according to the number of chapters and the weightage. They should also check the UP Board Class 12 exam pattern and prepare a daily study plan accordingly.

UP Board 12th Syllabus 2025-26 for Science Stream

The Science stream has subjects including Physics, Chemistry, and Biology along with the main language/s (Hindi/English), among others. Students can check the subject-wise syllabus for UP Board Class 12 Syllabus 2026 for the Science stream below:

UP Board 12th Physics Syllabus 2026

Part A

Unit	Topic	Marks	Topics
1	Static Electricity	08	Charge, Quantization of Charge, Conservation of Charge, Coulomb's Law of Electrostatics, Coulomb's Law in Vector Form, Electric Field and its lines, Electric Field Intensity(E), Electric Potential (V), Potential Gradient, Electric Flux, Gauss's Theorem, Electric Field Intensity and Potential due to an Electric Dipole, Torque, Work Done, Potential Energy, Electrostatic Shielding, Capacitor, and Lightning Conductor.
2	Electric Current	07	Electric Current (I), Current Density, Thermal Velocity of Free Electrons, Mobility, Ohm's Law, Electrical Resistance, Resistivity, Electrical Conductivity, Ohmic Conductors, Non-ohmic Conductors, Superconductors, Colour Coding of Carbon Resistors, Combination of Resistors (Series and Parallel), Equivalent resistance, Electric Cell (Primary/Secondary Cells), Grouping of Cells, Terminal Potential Difference of a Cell, Balanced Wheatstone Bridge, Meter Bridge, and Potentiometer.
3	Magnetic Effect of Current and Magnetism	08	Moving Charges and Magnetism, Oersted's Experiment, Maxwell's Cork Screw Rule, Ampere's Swimming Rule, Magnetic Field, Biot Savart's Law, Magnetic Field Due to a Straight Current-Carrying Conductor, Right Hand Thumb Rule, Magnetic Dipole, Ampere's Circuital Law, Solenoid, Toroid, Fleming's Left-Hand Rule, Lorentz Force, Cyclotron - principle and limitations, Current Sensitivity, Voltage Sensitivity, Ammeter, and Voltmeter.
4	Electromagnetic Induction and Alternating Currents	08	Electromagnetic Induction, Faraday's Laws of Electromagnetic Induction, Lenz's Law, Motional Emf, Fleming's Right-Hand Rule, Eddy Currents, Self-Induction, Coefficient of Self-Induction, Mutual Induction, Coefficient of Mutual Induction and Grouping of Coils.

Unit	Topic	Marks	Topics
5	Electromagnetic Waves	04	Displacement Current, Ampere-Maxwell Law, Electromagnetic Waves, Electromagnetic Spectrum, Earth's Atmosphere, Communication, Analog Signal, Modulation, Demodulation, Radio Waves, Microwave Propagation, Satellite Communication, Remote Sensing, and Optical Fibres.

Part B

Unit	Topic	Marks	Topics
1	Optics	13	Ray Optics and Optical Instruments, Light, Characteristics of Light, Laws of Reflection, types of mirror, Mirror (Plane and Spherical), Magnification, Linear/Areal/Axial Magnification, Lateral inversion, Refraction of Light and its laws, Refractive Index, Critical Angle, Total Internal Reflection (TIR), Optical Fibres, Lens, Power of a Lens, Focal Length of a Lens Combination, Focal Length of a Convex Lens by Displacement Method, Cutting of a Lens, Prism, Human Eye, Camera, Simple Microscope, and Scattering of Light.
2	Matter and Dual Nature	06	Photoelectric effect, Planck's idea, Hertz and Lenard's Experiment, Threshold Frequency and Wave Function.
3	Atoms and Nuclei	08	Atoms, Nucleus, Isotopes, Isobars, Isotones, Isomers, Nuclear Force, Mass Defect, Nuclear Binding Energy, Radioactivity, Nuclear Fission, Nuclear Reactor, and Thermonuclear Energy.
4	Electronic Devices	08	Solid and its types, Monocrystalline and Polycrystalline, Liquid Crystals, Crystal Lattice, Energy Bands of Solids, Thermionic Emission and diode, Types of Semiconductor, p-n Junction, Rectifier, Transistor, Light Emitting Diodes (LED), Truth Table, Basic Logic Gates (OR, AND, NOT), and Combination of Gates (NAND and NOR).

UP Board 12th Chemistry Syllabus 2025-26

Unit	Topic	Marks	Topics
1	Solid State	8	Classification of Solids Based on Different Binding Forces - Molecular, Ionic, Covalent and Metallic Solids, Crystalline and Non-Crystalline Solids, Two & Three Dimensional Crystal Lattice and Unit Cells, Packing Efficiency, Calculating Density of Unit Cell, Vacancies, Number of Cells Per Unit in Cubic Unit Cell, etc.
2	Solution	7	Type of Solution, Expressing the Concentration of Solutions Formed from Solids in Liquids, Solubility of Gases in Liquids, Solid Solution, Relative Vapor Pressure, Raoult's Law.
3	Electrochemistry	7	Oxidation Reduction Reactions, Specific and Molar Conductivity, Change in Conductivity due to Change in Concentration, Conductivity in Electrolytic Solution, Kohlrausch's Law, Galvanic Isolation and its Laws, Dry Cell, Galvanic Cell, Relationship Between Gibb's Free Energy and Change in EMF of a Cell. Also: Reaction Velocity (Average and Instantaneous), Factors Affecting Reaction Velocity (Concentration, Temperature, Catalyst), Order of Reaction and Molecularity, Velocity Law and Specific Rate Constant, Integrated Velocity Equation and Half Life.
4	d and f-Block Elements	6	Basic Introduction, Electronic Configuration, Characteristics and Availability of Transition Metals, General Trends in Properties of First Series of Transition Metals, Metallic Properties, Oxidation State, Catalyst Properties, Preparation and Properties of $K_2Cr_2O_7$ and $KMnO_4$. Also covers Group 15, 16, 17 and 18 Elements - Basic Introduction, Electronic Configuration, Oxidation State, Availability, General Trends in Physical & Chemical Properties, and related preparations/applications.
5	Coordination Compounds	7	Introduction, Ligands, Coordination Number, Magnetic Properties of Coordination Compounds, IUPAC Nomenclature Rules, Bonding, Werner Theory, VBT and CFT Structure and Stereoscopic Isomerism, Importance of Coordination Compounds in Extraction and Qualitative Analysis of Metals and in Biological Systems.
6	Haloalkanes and Haloarenes	7	Haloalkane - Nomenclature, Nature of C-X Bond, Physical & Chemical Properties, Mechanism of Substitution Reactions, Polar Rotation. Haloarene - Nature of C-X Bond, Substitution Reactions, Dichloromethane, Trichloromethane, Tetrachloromethane, Iodoform, Freons and DDT Usage and Effect on Environment.
7	Alcohols, Phenols, and Ethers	7	Alcohol - Nomenclature, Methods of Preparation, Physical & Chemical Properties, Identification of Primary/Secondary/Tertiary Alcohol, Dehydration of Alcohol, Uses of Methanol and Ethanol. Phenol - Nomenclature, Preparation, Properties, Acidic Nature, Electrophilic Substitution Reaction, Applications. Ether - Nomenclature, Preparation, Properties, Applications.
8	Aldehydes, Ketones, and Carboxylic Acids	8	Aldehyde & Ketone - Nomenclature, Nature of Carbonyl Group, Preparation, Physical & Chemical Properties, Nucleophilic Addition Reactions, Alpha Hydrogen Activity, Applications. Carboxylic Acids - Nomenclature, Acidic Nature, Preparation, Physical & Chemical Properties, Applications.
9	Amines (Organic Compounds Containing Nitrogen)	6	Nomenclature, Classification, Structure, Methods of Preparation, Physical & Chemical Properties, Identification of Primary/Secondary/Tertiary Amines, Cyanides and Isocyanides.
10	Biomolecules	7	Carbohydrates - Classification (Aldose & Ketose), Monosaccharides (Glucose, Fructose), D-L Configuration, Oligosaccharides (Sucrose, Lactose, Maltose), Polysaccharides (Starch, Cellulose, Glycogen), Importance. Proteins - Amino Acids, Peptide Bond, Polypeptide, Protein Structure (Primary, Secondary, Tertiary, Quaternary), Denaturation, Enzymes, Hormones. Vitamins - Classification and Function. Nucleic Acids - DNA and RNA.

UP Board 12th Maths Syllabus 2026 (English Medium)

Unit	Marks	Topics
Relations and Functions; Inverse Trigonometric Functions	10	Types of relations: Reflexive, symmetric, transitive and equivalence relations. One-to-one and onto functions. Inverse Trigonometric Functions - Definition, range, domain, principal value branches.
Algebra	13	Matrices, Determinants.
Calculus	44	Continuity and Differentiability, Applications of Derivatives, Integrals, Applications of the Integrals, Differential Equations.
Vectors and Three-Dimensional Geometry	17	Vectors, 3-D Geometry.
Linear Programming	06	Linear Programming.
Probability	10	Probability.
Total	100	

UP Board 12th Biology Syllabus 2025-26

Unit	Topic	Marks
1	Reproduction	14
2	Genetics and Evolution	18
3	Biology & Human Welfare	14
4	Biotechnology and its Applications	10
5	Ecology and Environment	14

Students preparing for the UP Board examinations must be thorough with the detailed UP Board 12th Syllabus for Science here. They should start early with their preparations, as these subjects require a lot of practice and hard work.