



**DELHI PUBLIC SCHOOL
RUBY PARK, KOLKATA**



Syllabus

**CLASS – 12
2026 – 27**

E-LEARNING





Class 12 English Session: 2026-27				
Month	Unit	Reading Skills/ASL	Writing Skills	Literature
April	1	Comprehension Exercises from Literary Passages	Invitations - Formal and Informal	My Mother at Sixty-Six (Poem)
	2			The Last Lesson
	3		Replies - Formal and Informal	The Third Level
	4	Case-based passages	Invitations and Replies	Lost Spring
	5			Journey to the End of the Earth
May	6	Discursive Passages	Article Writing	Keeping Quiet(Poem)
	7		Report Writing	Deep Water
UNIT TEST I				
June	8	ASL	Notice Writing	The Tiger King
	9		Letter to the Editor	The Rattrap
	10			
July	11	Comprehension - Discursive, Narrative and Literary Passages	Job Application	A Thing of Beauty (Poem)
	12			Indigo
	13		Letter to the Editor	The Interview
	14			Memories of Childhood
	15			Aunt Jennifer's Tigers (poem)
August	15	Comprehension - Case-based Passages	Notice writing Invitations and Replies	Aunt Jennifer's Tigers (poem)
BLOCK TEST - I				
September	16	Comprehension - Analytical Passages	Letters to the Editor	The Enemy
	17		Job Application	Going Places
October	18	Comprehension - Discursive, Narrative and Literary Passages	Notice Writing	On the Face of It (Play)
	19		Invitations	Poets and Pancakes
	20		Replies	A Roadside Stand (Poem)

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November	20	ASL	Article Writing Report Writing	A Roadside Stand (Poem) Revision
November	Pre Board Examination			
Pre Board Syllabus as prescribed by CBSE				



Class 12 Mathematics Session: 2026-27

Month	Topics	Subtopics
April	Relations and Functions	Types of relations: reflexive, symmetric, transitive and Equivalence Relation, Equivalence Class One to one and onto function
	Inverse Trigonometric Functions	Definition, range, domain, principal value branch. Graphs of inverse trigonometric functions.
	Continuity & Differentiability	Continuity & differentiability at a point and continuity at some interval
May	Differentiation	Derivative (Chain Rule), Derivative of inverse trigonometric functions, derivative of implicit functions. Concept of exponential and logarithmic functions. Derivatives of logarithmic and exponential functions, derivative of functions expressed in parametric forms. Second order derivatives.
June	UNIT TEST - I	
June	Application of Derivatives	Rate of change of quantities, Increasing & Decreasing Functions
		Maxima and minima (first derivative test motivated geometrically and second derivative test given as a provable tool). Simple problems (that illustrate basic principles and understanding of the subject as well as real-life situations).
July	Matrices	Concept, notation, order, equality, types of matrices, zero and identity matrix, transpose of a matrix, symmetric and skew symmetric matrices. Operations on matrices: Addition and multiplication and multiplication with a scalar. Simple properties of addition, multiplication and scalar multiplication. Noncommutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (restrict to square matrices of order 2). Invertible matrices and proof of the uniqueness of inverse, if it exists; (Here all matrices will have real entries).
	Determinants	Determinant of a square matrix (up to matrices), minors, co-factors and applications of determinants in finding the area of a triangle. Adjoint and inverse of a square matrix. Consistency, inconsistency and number of solutions of system of linear equations by examples, solving system of linear equations in two or three variables (having unique solution) using inverse of a matrix
	Linear Programming	Introduction, related terminology such as constraints, objective function, optimization, Graphical method of solution for problems in two variables, feasible and infeasible regions (bounded or unbounded), feasible and infeasible solutions, optimal feasible solutions (up to three non-trivial constraints).

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	Indefinite Integrals	Integration as inverse process of differentiation, Integration of a variety of functions by substitution,
August	Indefinite Integrals	Integration by partial fractions and by parts. Some special integrals
	Definite Integrals	Fundamental theorem of Calculus (without proof), Basic properties of definite integrals and evaluation of definite integrals
	BLOCK TEST - I	
September	Application of the Integrals	Applications in finding the area under simple curves, especially lines, circles/parabolas/ellipses (in standard form only)
	Differential Equations	Definition, order and degree, general and particular solutions of a differential equation. Solution of differential equations by method of separation of variables, solutions of homogeneous differential equations of first order and first degree. Solutions of linear differential equation.
	Probability	Conditional probability, multiplication theorem on probability, independent events, total probability, Bayes' theorem.
October	Vector	Vectors and scalars, magnitude and direction of a vector. Direction cosines and direction ratios of a vector. Types of vectors (equal, unit, zero, parallel and collinear vectors), position vector of a point, negative of a vector, components of a vector, addition of vectors, multiplication of a vector by a scalar, position vector of a point dividing a line segment in a given ratio. Definition, Geometrical Interpretation, properties and application of scalar (dot) product of vectors, vector (cross) product of vectors.
	Three dimensional Geometry	Direction cosines and direction ratios of a line joining two points. Cartesian equation and vector equation of a line, skew lines, shortest distance between two lines. Angle between two lines.
November	Pre Board Examination	
Pre Board Syllabus as prescribed by CBSE		

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Class 12 Physics Session: 2026-27

MONTH	CHAPTER	TOPICS	SUB TOPICS
MARCH - APRIL	I and II	ELECTROSTATICS	Electric charges, Conservation of charge, Coulomb's law-force between two- point charges, forces between multiple charges; superposition principle and continuous charge distribution.
			Electric field, electric field due to a point charge, electric field lines, electric dipole, electric field due to a dipole, torque on a dipole in uniform electric field.
			Electric flux, statement of Gauss's theorem and its applications to find field due to infinitely long straight wire, uniformly charged infinite plane sheet and uniformly charged thin spherical shell (field inside and outside).
			Electric potential, potential difference, electric potential due to a point charge, a dipole and system of charges; equipotential surfaces, electrical potential energy of a system of two-point charges and of electric dipole in an electrostatic field.
			Conductors and insulators, free charges and bound charges inside a conductor. Dielectrics and electric polarization, capacitors and capacitance, combination of capacitors in series and in parallel, capacitance of a parallel plate capacitor with and without dielectric medium between the plates, energy stored in a capacitor (no derivation, formulae only).
MAY	IX	RAY OPTICS	Reflection of light, spherical mirrors, mirror formula, refraction of light, total internal reflection and optical fibers, refraction at spherical surfaces, lenses, thin lens formula, lens maker's formula, magnification, power of a lens, combination of thin lenses in contact, refraction of light through a prism.
			Optical instruments: Microscopes and astronomical telescopes (reflecting and refracting) and their magnifying powers.
JUNE	UNIT TEST I		
	III	CURRENT ELECTRICITY	Electric current, flow of electric charges in a metallic conductor, drift velocity, mobility and their relation with electric current; Ohm's law, V-I characteristics (linear and non-linear), electrical energy and power, electrical resistivity and conductivity, temperature dependence of resistance, Internal resistance of a cell, potential difference and emf of a cell, combination of cells in series and in parallel, Kirchhoff's rules, Wheatstone bridge.
JUNE - JULY	IV and V	Magnetic Effects of Current and Magnetism	Concept of magnetic field, Oersted's experiment.
			Biot - Savart law and its application to current carrying circular loop.
			Ampere's law and its applications to infinitely long straight wire. Straight solenoid (only qualitative treatment), force on a moving charge in uniform magnetic and electric fields.
			Force on a current-carrying conductor in a uniform magnetic field, force between two parallel current-carrying conductors-definition of ampere, torque experienced by a current loop in uniform magnetic field; Current loop as a magnetic dipole and its magnetic dipole moment, moving coil galvanometer- its current sensitivity and conversion to ammeter and voltmeter.
			Bar magnet, bar magnet as an equivalent solenoid (qualitative treatment only), magnetic field intensity due to a magnetic dipole (bar magnet) along its axis and perpendicular to its axis (qualitative treatment only), torque on a magnetic dipole (bar magnet) in a uniform magnetic field (qualitative treatment only), magnetic field lines
			Magnetic properties of materials- Para-, dia- and ferro – magnetic substances with examples, Magnetization of materials, effect of temperature on magnetic properties
AUGUST	VI	Electromagnetic Induction	Electromagnetic induction; Faraday's laws, induced EMF and current; Lenz's Law, Self and mutual induction.
	VII	Alternating Currents	Alternating currents, peak and RMS value of alternating current/voltage; reactance and impedance; LCR series circuit (phasors only), resonance, power in AC circuits, power factor, wattless current. AC generator, Transformer.
	VIII	Electromagnetic Waves	Basic idea of displacement current, Electromagnetic waves, their characteristics, their transverse nature (qualitative idea only).
			Electromagnetic spectrum (radio waves, microwaves, infrared, visible, ultraviolet, X-rays, gamma rays) including elementary facts about their uses.
	BLOCK TEST 1		

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SEPTEMBER	X	WAVE OPTICS	Wave front and Huygen's principle, reflection and refraction of plane wave at a plane surface using wave fronts. Proof of laws of reflection and refraction using Huygen's principle. Interference, Young's double slit experiment and expression for fringe width (No derivation final expression only), coherent sources and sustained interference of light, diffraction due to a single slit, width of central maxima (qualitative treatment only)
	XI	Dual nature of radiation and matter	Dual nature of radiation, Photoelectric effect, Hertz and Lenard's observations; Einstein's photoelectric equation-particle nature of light.
			Experimental study of photoelectric effect.
			Matter waves-wave nature of particles, de-Broglie relation.
OCTOBER - NOVEMBER	XII	ATOMS	Alpha-particle scattering experiment; Rutherford's model of atom; Bohr model of hydrogen atom, Expression for radius of nth possible orbit, velocity and energy of electron in nth orbit, hydrogen line spectra (qualitative treatment only)
	XIII	NUCLEI	Composition and size of nucleus, nuclear force Mass-energy relation, mass defect; binding energy per nucleon and its variation with mass number; nuclear fission, nuclear fusion.
	XIV	ELECTRONIC DEVICES	Energy bands in conductors, semiconductors and insulators (qualitative ideas only) Intrinsic and extrinsic semiconductors- p and n type, p-n junction Semiconductor diode - I-V characteristics in forward and reverse bias, application of junction diode - diode as a rectifier.
NOVEMBER - DECEMBER	REVISION FOR PREBOARD EXAMINATION		
	PREBOARD EXAMINATION		
Pre Board Syllabus as prescribed by CBSE			

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Class 12 Chemistry Session: 2026-27

Month	Chapter No.	Chapter	Contents
APRIL	I	SOLUTIONS	- Types of solutions. - Expression of concentration of solutions of solids in liquids, - Solubility of gases in liquid, solid in liquid, vapour pressure of liquid solutions, Raoult's law, Ideal & Non-ideal solutions. - Colligative properties: relative lowering of vapour pressure, Raoult's law, elevation of boiling point, depression of freezing point, osmotic pressure - Determination of molecular masses using colligative properties - Abnormal molecular mass, Vant Hoff factor
	II	ELECTRO CHEMISTRY	- Electrochemical cells, Galvanic cells. EMF of a cell, standard electrode potential, Nernst equation and its application to chemical cells. Relations between Gibbs energy change EMF of a cell. - Conductance in electrolytic solutions, specific and molar conductivity, variations of conductivity with concentration. Kohlrausch's Law. - Electrolytic cells: Electrolysis and laws of electrolysis (elementary idea) - Dry cell, Lead accumulator, Fuel cells, Corrosion.
	III	CHEMICAL KINETICS	- Rate of a reaction (average and instantaneous) - Factors affecting rates of reaction. Order and molecularity of a reaction - Rate law and specific rate constant, integrated rate equations and half life (only for zero and first order reactions) - Activation energy, Arrhenius equation - Concept of collision theory (elementary idea, no mathematical treatment)"
MAY	VI	HALOALKANES & HALOARENES	- Haloalkanes: Nomenclature, Methods of Preparation, nature of C-X bond, physical and chemical properties, mechanism of substitution reactions. Optical isomerism. - Haloarenes: Methods of Preparation, Nature of C-X bond, substitution reactions (directive influence of halogen formonosubstituted compounds only). - Uses and environmental effects of – dichloromethane, trichloromethane, tetrachloromethane, iodoform, freons, DDT.
JUNE	UNIT TEST - I		
	VII	ALCOHOLS. PHENOLS AND ETHERS	- Alcohols: Nomenclature, methods of preparation, physical and chemical properties (of primary alcohols only); identification of primary, secondary and tertiary alcohols; mechanism of dehydration, uses, with special reference to methanol and ethanol. - Phenols: Nomenclature, methods of preparation, physical and chemical properties, acidic nature of phenol, electrophilic substitution reactions, uses of phenols. - Ethers: Nomenclature, methods of preparation, physical and chemical properties, uses.
JULY	VIII	ALDEHYDES, KETONES and CARBOXYLIC ACIDS	- Aldehydes and Ketones: Nomenclature, nature of carbonyl group, methods of preparation, physical and chemical properties, and mechanism of nucleophilic addition, reactivity of alpha hydrogen in aldehydes; uses. - Carboxylic Acids: Nomenclature, acidic nature, methods of preparation, physical and chemical properties; uses
	X	BIOMOLECULES	- Carbohydrates – Classification (aldoses and ketoses), monosaccharide (glucose and fructose), D-L configuration, oligosaccharides (sucrose, lactose, maltose), polysaccharides (starch, cellulose, glycogen). - Importance of carbohydrates. - Proteins - Elementary idea of a - amino acids, peptide bond, polypeptides, proteins, primary structure, secondary structure,
AUGUST		* SURFACE CHEMISTRY	Adsorption - Physisorption and chemisorption, factors affecting adsorption of gases on solids, colloidal state distinction between true solutions, colloids and suspension; lyophilic, lyophobic properties of colloids; coagulation, emulsion - types of emulsions.
		* GENERAL PRINCIPLES and PROCESSES OF ISOLATION OF ELEMENTS	Concentration, oxidation, reduction - electrolytic method and refining
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SEPTEMBER	IX	AMINES	• Classification, Nomenclature, Preparation of amines • Physical and chemical properties, uses, identification of primary secondary and tertiary amines. • Diazonium salts: Preparation, chemical reactions and importance in synthetic organic chemistry.
	OCTOBER	IV	d -and f -BLOCK ELEMENTS • Electronic configuration, occurrence and characteristics of transition metals,general trends in properties of the first row transition series. • Preparation and properties of Potassium dichromate and Potassium permanganate • Electronic configuration, oxidation states and chemical reactivity of Lanthanoids and Actinoids
		V	COORDINATION COMPOUNDS • Coordination compounds : Introduction, Werner's theory, ligands, coordination number, colour, magnetic properties and shapes "• IUPAC nomenclature of mononuclear coordination compounds. • Isomerism (structural and stereo) • Chemical Bonding, VBT,CFT • Importance of coordination compounds (in qualitative analysis,extraction of metals and biological systems)."
NOVEMBER		* POLYMERS	• Polymerisation, Homopolymers and copolymer with few examples
		* CHEMISTRY IN EVERYDAY LIFE	•Analgesics, tranquilizers antiseptics, disinfectants, antimicrobials, antifertility drugs, antibiotics, antacids, antihistamines. Chemicals in food - preservatives, artificial sweetening agents, antioxidants
	REVISION		
	PRE-BOARD EXAMINATION		
The topics marked with an * will not be assessed.			

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Class 12 Biology Session: 2026-27			
MONTH	UNIT	NAME OF THE CHAPTERS	SUB-TOPIC
APRIL	REPRODUCTION	SEXUAL REPRODUCTION IN FLOWERING PLANTS	Structure of flower, development of male and female gametophytes pollination - types, agencies and examples;out breeding devices; pollen-pistil interaction;double fertilization; post fertilization events - development of endosperm and embryo, development of seed and formation of fruit; special modes- apomixis, parthenocarp, polyembryony; Significance of seed dispersal and fruit formation
MAY	REPRODUCTION	HUMAN REPRODUCTION	Male and female reproductive systems; microscopic anatomy of testis and ovary; gametogenesis-spermatogenesis and oogenesis; menstrual cycle; fertilisation, embryo development upto blastocyst formation, implantation; pregnancy and placenta formation (elementary idea); parturition (elementary idea); lactation (elementary idea)
UNIT TEST I			
JUNE	REPRODUCTION	REPRODUCTIVE HEALTH	Need for reproductive health and prevention of Sexually Transmitted Diseases (STDs); birth control - need and methods, contraception and medical termination of pregnancy (MTP); amniocentesis; infertility and assisted reproductive technologies - IVF, ZIFT, GIFT (elementary idea for general awareness)
JULY	GENETICS AND EVOLUTION	PRINCIPLES OF INHERITANCE AND VARIATION	Mendelian inheritance; deviations from Mendelism – incomplete dominance, co-dominance, multiple alleles and inheritance of blood groups, pleiotropy; elementary idea of polygenic inheritance; chromosome theory of inheritance; chromosomes and genes; Sex determination - in humans, birds and honey bee; linkage and crossing over; sex linked inheritance - haemophilia, colour blindness; Mendelian disorders in humans - thalassemia; chromosomal disorders in humans; Down's syndrome, Turner's and Klinefelter's syndromes
UNIT TEST II			
JULY	GENETICS AND EVOLUTION	MOLECULAR BASIS OF INHERITANCE	Search for genetic material and DNA as genetic material; Structure of DNA and RNA; DNA packaging; DNA replication; Central Dogma; transcription, genetic code, translation; gene expression and regulation lac operon; Genome, Human and rice genome projects; DNA fingerprinting.
AUGUST	GENETICS AND EVOLUTION	EVOLUTION	Origin of life; biological evolution and evidences for biological evolution (paleontology, comparative anatomy, embryology and molecular evidences); Darwin's contribution, modern synthetic theory of evolution; mechanism of evolution - variation (mutation and recombination) and natural selection with examples, types of natural selection; Gene flow and genetic drift; Hardy - Weinberg's principle; adaptive radiation; human evolution.
	BIOLOGY IN HUMAN WELFARE	MICROBES IN HUMAN WELFARE	Microbes in food processing, industrial production, sewage treatment, energy generation microbes as bio-control agents and bio-fertilizers. Antibiotics; production and judicious use.
BLOCK TEST I			
SEPTEMBER	BIOLOGY IN HUMAN WELFARE	HUMAN HEALTH AND DISEASE	Pathogens; parasites causing human diseases (malaria, dengue, chikungunya, filariasis, ascariasis, typhoid, pneumonia, common cold, amoebiasis, ring worm) and their control; Basic concepts of immunology - vaccines; cancer, HIV and AIDS; Adolescence - drug and alcohol abuse.
OCTOBER	BIOTECHNOLOGY	BIOTECHNOLOGY: PRINCIPLES AND PROCESSES	Genetic Engineering (Recombinant DNA Technology).
	BIOTECHNOLOGY	BIOTECHNOLOGY AND ITS APPLICATIONS	Application of biotechnology in health and agriculture: Human insulin and vaccine production, stem cell technology, gene therapy; genetically modified organisms - Bt crops; transgenic animals; biosafety issues, biopiracy and patents.
NOVEMBER	ECOLOGY	ORGANISMS AND POPULATIONS	Population interactions - mutualism, competition, predation, parasitism; Population attributes - growth, birth rate and death rate, age distribution.
		ECOSYSTEM	Ecosystems: Patterns, components; productivity and decomposition; energy flow; pyramids of number, biomass, energy
		BIODIVERSITY AND CONSERVATION	Biodiversity-Concept, patterns, importance; loss of biodiversity; biodiversity conservation; hotspots, endangered organisms, extinction, Red Data Book, Sacred Groves, biosphere reserves, national parks, wildlife, sanctuaries and Ramsar sites.
	PRE BOARD EXAMINATION		
Pre Board Syllabus as prescribed by CBSE			



Class 12 Computer Science Session: 2026-27

Month	Topic	Sub-Topic
March	Python Revision Tour - I	Tokens in Python, variables, Simple Input and Output, Data Types, Mutable and Immutable Types.
		Expressions, Statement Flow Control, Looping Statement.
April	Python Revision Tour - II	Strings in Python, List in Python.
		Tuples in Python, Dictionary in Python.
	Working with Functions	Types of function (built-in, defined in module, user-defined), creating user-defined functions.
		Arguments and parameters: default, positional, and keyword arguments.
May	Working with Functions	Function returning value(s), flow of execution, scope of a variable (global vs. local).
	Exception Handling	Introduction to exceptions, Handling exceptions using try-except statement, finally statement.
UNIT TEST I		
June	File Handling	file opening modes, closing, and with clause.
		Text files: writing/appending data (write, writelines), reading (read, readline, readlines), seek and tell methods.
July	File Handling	Binary file operations: open/close, pickle module (dump and load), read, write, search, append, and update.
		CSV file: import csv module, open/close, writing using csv.writerow() and reading using csv.reader().
July	Database Management	Database concepts and needs; Relational data model: relation, attribute, tuple, domain, degree, cardinality, keys.
	SQL	SQL introduction, DDL/DML, data types, constraints, create/use/drop database, show/create/drop table, describe, alter table.
August	SQL	DML: INSERT, UPDATE, DELETE, SELECT; Operators, aliasing, distinct, where, in, between, order by, null handling, like.
		Aggregate Functions: MAX, MIN, AVG, SUM, COUNT; Grouping: GROUP BY, HAVING clause; Joins: Cross-Join, Equi-join, Natural join.
BLOCK TEST 1		
September	Interface Python with SQL	Connecting Python with SQL, performing Insert, Update, Delete queries; cursor, execute, commit, fetchone, fetchall, rowcount.
October	Computer Networks	Evolution (ARPANET, NSFNET, INTERNET); Switching (Circuit, Packet); Transmission Media: Wired (Twisted pair, Co-axial, Optical) and Wireless.
November	Computer Networks	Evolution (ARPANET, NSFNET, INTERNET); Switching (Circuit, Packet); Transmission Media: Wired (Twisted pair, Co-axial, Optical) and Wireless.
		Network Devices: Modem, RJ45, Ethernet Card, Hub, Switch, Gateway, Access point; Topologies: Star, Bus, Tree, Mesh.
		Network Types: PAN, LAN, MAN, WAN; Protocols: HTTP, FTP, PPP, SMTP, TCP/IP, POP3, HTTPS, Telnet, VoIP; Wireless: Wi-Fi, Bluetooth.
		Introduction to Web Services: WWW, HTML, XML; Domain Names, URL, Website, Web browser, Web servers, Web Hosting.
December	REVISION FOR PREBOARD EXAMINATION	
	PREBOARD EXAMINATION	
Pre Board Syllabus as prescribed by CBSE		



Class 12 Informatics Practices Session: 2026-27

Month	Chapter	Topic	Sub Topics
March	Data Handling using Pandas	Introduction to Python libraries - Pandas, Matplotlib	Purpose of Pandas, Matplotlib, plotting basics
		Data structures in Pandas - Series	
April	Data Handling using Pandas	Creation of Series from – ndarray, dictionary, scalar value	Creating Series from array, Arithmetic operations
		Mathematical operations	Using head(), tail(), indexing and slicing ranges
		Head() and Tail() functions	
		Selection, Indexing , Slicing	
May	Database Query using SQL	Revision of database concepts and SQL commands covered in class XI , Math functions: POWER (), ROUND (), MOD () , Text functions: UCASE ()/UPPER (), LCASE ()/LOWER (), MID () / SUBSTRING () / SUBSTR (), LENGTH (), LEFT (), RIGHT (), INSTR (), LTRIM (), RTRIM (), TRIM ()	Class XI SQL recap, numeric and text functions usage
		Date Functions: NOW (), DATE (), MONTH (), MONTHNAME (), YEAR (), DAY (), DAYNAME () , Querying and manipulating data using single table.	Date functions and single-table queries, data manipulation
June	Unit Test- I		
	Data Handling using Pandas	Data structures in Pandas - Data Frames	Understand Creating DataFrames, Adding, selecting, deleting, renaming rows and columns
Data Frames: creation- from dictionary of Series, list of dictionaries, Text/CSV files , Display; Iteration			
July	Data Handling using Pandas	Operations on rows and columns: add, select, delete, rename , Head and Tail functions	Label-based and boolean indexing, CSV import and export
		Indexing using Labels, Boolean Indexing , Importing/Exporting Data between CSV files and Data Frames	
		Data Visualization Purpose of plotting, Drawing and saving following types of plots using Matplotlib	Line, bar, histogram plots; labels, titles, legends
		Line plot, bar graph, histogram , Customizing plots: adding label, title, and legend in plots	
August	Database Query using SQL	Aggregate Functions: MAX (), MIN (), AVG (), SUM (), COUNT (); using COUNT (*)	Understand extracting summary information
	BLOCK TEST I		
September	Database Query using SQL	Querying and manipulating data using Group by, Having, Order by	GROUP BY, HAVING, ORDER BY in SQL queries
	Introduction to Computer Networks	Introduction to networks, Types of network: PAN, LAN, MAN, WAN	Understand types of Network and Functions of Network Devices
		Network Devices: modem, hub, switch, repeater, router, gateway	
October	Introduction to Computer Networks	Network Topologies: Star, Bus, Tree, Mesh.	Internet basics, URL, WWW, web, email, chat, VoIP uses
		Introduction to Internet, URL, WWW, and its applications- Web, email, Chat, VoIP.	
		Website: Introduction, difference between a website and webpage, static vs dynamic web page, web server and hosting of a website. Web Browsers: Introduction, commonly used browsers, browser settings, add-ons and plug-ins, cookies	Website vs webpage, static vs dynamic, hosting, browsers, cookies
November	Societal Impacts	Digital footprint, net and communication etiquettes, data protection, intellectual property rights (IPR), plagiarism, licensing and copyright, free and open source software (FOSS), cybercrime and cyber laws, hacking, phishing, cyber bullying, overview of Indian IT Act	Digital footprint, etiquette, IPR, FOSS, cybercrime, IT Act overview
		E-waste: hazards and management , Awareness about health concerns related to the usage of technology	E-waste risks, safe disposal, health issues from technology use
DECEMBER	REVISION FOR PREBOARD EXAMINATION		
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Class 12 Information Technology Session: 2026-27

Month	Topic	Sub Topic
April	Computer Organization	Fundamentals of Computer, Characteristics, Block diagram, CPU functions, and task execution processes.
		I/O devices, Storage devices, and Memory units (Bit, Byte, KB, MB, GB).
May	Operating Systems & Troubleshooting	Introduction to OS, its need, and types; Common hardware/software troubleshooting and printer setup.
	Utilities & Networking Intro	Disk Management (Cleanup, Defragmentation); Need and benefits of networking and transmission media.
Unit Test - I		
June	Network Devices & Topology	Working Devices (Modem, Hub, Switch, Router); Network Topologies (Bus, Star, Ring, Mesh, Tree).
	Internet & Cyber Security	ISP, Data Transfer Rates, and Protocols (TCP/IP, FTP, HTTP); Network threats (Virus, Malware) and Cyber Safety.
July	Office Automation (Writer)	OpenOffice Writer components, formatting documents, and table creation.
	Office Automation (Calc & Impress)	Spreadsheet formulas/functions (Sum, Sqrt, Average); Presentation software, animations, and transitions.
August	RDBMS Concepts	Database purpose, Table components, Relation terminology, and Keys (Primary, Foreign).
Block Test I		
September	Introduction to MySQL	MySQL classification (DDL, DML), Data types, CREATE, ALTER, and DROP table commands.
	DML Commands & Java Intro	INSERT, UPDATE, DELETE queries; Integrated Development Environment (NetBeans) and IDE components.
October	Java Fundamentals	Object-Oriented Programming (OOP) concepts, data types, variables, and operators.
November	Selection Statements	Java selection statements (if, if-else, switch) and final project completion.
DECEMBER	REVISION FOR PREBOARD EXAMINATION	
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Class 12 Economics Session: 2026-27			
MONTH	UNIT	TOPIC	SUB-TOPIC
APRIL	Unit 1	National Income and Related Aggregates	What is Macroeconomics? Basic concepts in macroeconomics: consumption goods, capital goods, final goods, intermediate goods; stocks and flows; gross investment and depreciation. Circular flow of income (two sector model); Aggregates related to National Income: Gross National Product (GNP), Net National Product (NNP), Gross Domestic Product(GDP) and Net Domestic Product (NDP) - at market price, at factor cost; Real and Nominal GDP.Methods of calculating National Income - Value Added,Income and Expenditure method.Precautions.Real and Nominal GDP.GDP deflator.GDP and welfare.
APRIL/MAY	Unit 6	Development Experience (1947-90) and Economic Reforms since 1991.	A brief introduction of the state of Indian economy on the eve of independence. Indian economic system and common goals of Five Year Plans. Main features, problems and policies of agriculture (institutional aspects and new agricultural strategy), industry (IPR 1956; SSI – role & importance) and foreign trade. Features and appraisals of liberalisation, globalisation and privatisation . Concepts of demonetisation and GST.
UNIT TEST			
JUNE	Unit 2. Unit 7.	Money and Banking. Human Capital Formation in India	Money – meaning and functions, supply of money - Currency held by the public and net demand deposits held by commercial banks. Money creation by the commercial banking system. Central bank and its functions (example of the Reserve Bank of India): Bank of issue, Govt's Bank, Banker's Bank, Control of Credit through Bank Rate, Cash Reserve Ratio (CRR), Statutory Liquidity Ratio (SLR), Repo Rate and Reverse Repo Rate, Open Market Operations, Margin requirement. How people become resource; Role of human capital in economic development; Growth of Education Sector in India
JULY	Unit 7. Unit 4	Rural Development. Employment. Government Budget	Rural development: Key issues - credit and marketing - role of cooperatives; agricultural diversification; alternative farming - organic farming Employment: Growth and changes in work force participation rate in formal and informal sectors; problems and policies.Government budget - meaning, objectives and components. Classification of receipts - revenue receipts and capital receipts; Classification of expenditure – revenue expenditure and capital expenditure. Balanced, Surplus and Deficit Budget – measures of government deficit.
AUGUST	Unit 3	Determination of Income and Employment	Aggregate demand and its components. Propensity to consume and propensity to save (average and marginal). Short-run equilibrium output; investment multiplier and its mechanism.Meaning of full employment and involuntary unemployment. Problems of excess demand and deficient demand; measures to correct them - changes in government spending, taxes and money supply.
BLOCK TEST I			
SEPTEMBER & OCTOBER	Unit 7. Unit 5	Sustainable Economic Development, Balance of Payment & Foreign Exchange Rate.	Meaning, Effects of Economic Development on Resources and Environment, including global warming. Balance of payments account - meaning and components; Balance of payments – Surplus and Deficit Foreign exchange rate - meaning of fixed and flexible rates and managed floating. Determination of exchange rate in a free market, Merits and demerits of flexible and fixed exchange rate. Managed Floating exchange rate system
NOVEMBER	Unit 8.	Development Experience of India, Pakistan and China,	A comparison with neighbours India and Pakistan India and China Issues: economic growth, population, sectoral development and other Human Development Indicators
DECEMBER	REVISION & PRE BOARD EXAMINATION		
Pre Board Syllabus as prescribed by CBSE			



Class 12 Geography Session: 2026-27

FUNDAMENTALS OF HUMAN GEOGRAPHY [PART A]

Month	Unit	Topic	Sub topic
April	I	Human Geography	- Approaches to study Human Geography, - Nature of Human Geography - Naturalisation of Humans and Humanisation of Nature - Schools of thought in Human Geography - Fields and subfields of Human Geography
	II A	The World Population Density Distribution and Growth	- Population-distribution and density - Factors influencing the distribution of population - Population Growth - Components of Population change - Demographic Transition - Population Control Measures
May	II B	Human Development	- Human development - concept; selected indicators - Growth and Development - The four pillars of Human Development - Approaches to Human Development - Measuring Human Development- HDI, HPI and GNH - International comparisons
	III A	Primary Activities	- Hunting and Gathering, Pastoralism; Nomadic Herding - Commercial Livestock Rearing - Primitive Subsistence, Intensive Subsistence - Commercial Agriculture: Plantation Agriculture - Extensive Commercial Grain Cultivation - Mixed Farming, Dairy farming, Mediterranean Agriculture, - Market Gardening and Horticulture - Cooperative Farming, Collective Farming - Mining, factors affecting mining - Methods of Mining
UNIT TEST I			
June			
July	III B	Secondary Activities	- Characteristics of Modern large-Scale Manufacturing - Factors influencing industrial Location - Classification of manufacturing Industries - Concept of High-tech Industry
August	III C	Tertiary and Quaternary Activities	- Tertiary activities-concept and types - Trade and commerce: Retail and Wholesale trading - Transport, Factors affecting Transport; - Communication - Services - People engaged in tertiary activities - Tourism - Medical Services for Overseas Patients in India - Quaternary and Quinary activities-concept - The Digital Divide
BLOCK TEST - I			

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September	IV A	Transport, Communication and Trade	- Land transport: Roadways, Highways, Road Density, Border Roads. - Railways: Trans-continental Railways - Water Transport: Important Sea Routes, Shipping Canals and Inland waterways - Air transport: Inter-Continental air routes - Pipelines - Communications: Satellite Communications - Cyber Space- Internet
October	IV B	International Trade	- History of International trade - Why Does International Trade Exist? - Basis of International Trade - Balance of Trade - Types of International Trade - Case for Free Trade - Concept of Dumping - World Trade Organisation - Regional Trade Blocs - Concerns Related to International Trade - Gateways of International trade: Ports - Types of Port
	Revision		
November	PRE-BOARD EXAMINATION		
Pre Board Syllabus as prescribed by CBSE			
INDIA PEOPLE AND ECONOMY [PART B]			
Month	Unit	Topic	Sub topic
April	I	Population Distribution Density Growth and Composition	- Distribution of Population - Density of Population - Growth of population - Four distinct phases of population growth - Regional Variation in Population Growth - Population Composition 'Beti Bachao–Beti Padhao' Social Campaign.
May	II	Human Settlements	- Rural settlements - types and distribution - Urban settlements - types, distribution - Evolution of Towns in India - Urbanisation in India - Functional Classification of Towns - Smart Cities Mission
UNIT TEST I			
June	III A	Land Resources and agriculture	- Land resources- general land use - Land use categories - Land-use Changes in India - Common Property Resources - Agricultural Land Use in India - Cropping Seasons in India - Types of Farming - Geographical conditions and distribution of major crops - Agricultural development in India - Growth of Agricultural Output and Technology - Problems of Indian Agriculture

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July	III B	Water Resources	- Water resources- Surface water and Groundwater resources - Lagoons and Backwaters - Water Demand and Utilisation - Emerging Water Problems - Water Conservation and Management - Prevention of Water Pollution; - Rain water harvesting - Watershed management
August	III C	Mineral and Energy Resources	- Mineral Resources: Introduction and Types - Major mineral belts of India - Distribution of Ferrous Minerals - Non-Ferrous Minerals - Non-metallic minerals - Energy Resources: Conventional sources - Non-conventional sources - Conservation of Mineral Resources
	III D	Planning and Sustainable Development in Indian Context	- Planning- Introduction - Target Area Planning - Hill Area Development Programme - Drought Prone Area Programme. - Concept of Sustainable Development - Integrated Tribal Development Project in Bharmaur Region - Indira Gandhi Canal (Nahar) Command Area
BLOCK TEST I			
September	IV A	Transport Communication	- Land Transport (Road transport, Rail transport and Oil and Gas pipelines) - Water transport (Inland waterways and Oceanic routes) - Air transport - Communication Networks - Personal and Mass Communication Systems
	IV B	International Trade	- Changing Pattern of the Composition of India's Exports and Import - Direction of Trade - Sea Ports as Gateways of International Trade - Major Seaports of India along with their hinterlands. - Airports
October	V	Geographical Perspective on Selected Issues and Problems	- Environmental pollution- Introduction and types - Urban-waste disposal - Rural-Urban Migration: Case Study - Problems of Slums - Land degradation: Case study
	Revision		
November	PRE-BOARD EXAMINATION		
Pre Board Syllabus as prescribed by CBSE			



Class 12 History Session: 2026-27			
Month	Unit	Topic	Sub-topics
April - May	1	Bricks, Beads and Bones	Beginning Subsistence strategies Mohenjo Daro- A planned urban centre Tracking social differences Finding out about craft production Strategies for procuring materials Seals, script, weights Ancient authority The end of the civilization Discovering the Harappan civilization Problems of piecing together the past
	2	Kings, Farmers and Towns	Princep and Piyadassi The earliest states An early empire New notions of kingship A changing countryside Towns and trade Back to basics- how are inscriptions deciphered? The limitations of inscriptional evidence
	3	Kinship, Caste and Class	The critical edition of the Mahabharata Kinship and marriage Social differences: within and beyond the framework of caste Beyond birth - resources and status Explaining social differences Handling text: Historians and the Mahabharata A dynamic text
	4	Thinkers, Beliefs and Buildings	A glimpse of Sanchi The background: sacrifices and debates Beyond worldly pleasures: the message of Mahavira The Buddha and the quest for enlightenment Teachings of the Buddha Followers of the Buddha Stupas Discovering stupas: the fate of Amaravati and Sanchi Sculpture New religious traditions Can we see 'everything'?
Unit Test I			
June	5	Through the eyes of Travelers	Al-Biruni and the Kitab-ul-Hind Ibn Battuta's Rihla Francois Bernier: A doctor with a difference Making sense of an alien world: Al-Biruni and the Sanskrit tradition Ibn Battuta and the excitement of the unfamiliar Bernier and the 'degenerate' East Women, slaves, sati and labourers

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July	6	Bhakti- Sufi Traditions	A mosaic of religious beliefs and practices Poems of prayer: Early traditions of Bhakti The Virashaiva tradition in Karnataka Religious ferment in North India New strands in the fabric: Islamic traditions The growth of Sufism The Chishtis in the subcontinent New devotional path: Dialogue and dissent in North India Reconstructing histories of religious traditions
	7	An Imperial Capital- Vijayanagara	The discovery of Hampi Rayas,Nayakas and Sultans Vijayanagara: the capital and its environs The royal centre The sacred centre Plotting palaces, temples and bazaars Questions in search of answers
August	8	Peasants, Zamindars and the State	Peasants and agricultural production A village community Women in agrarian society Forests and tribes The zamindars Land revenue system The flow of silver The Ain-i-Akbari of Abul Fazal Alami
	9	Colonialism and the Countryside	Bengal and the zamindars The hoe and the plough A revolt in the countryside: the Bombay Deccan The Deccan Riots Commission
Block Test I			
September - October	10	Rebels and the Raj	Pattern of the uprising Awadh in revolt What the rebels wanted Repression Images of the revolt
	11	Mahatma Gandhi and the Nationalist Movement	A leader announces himself The making and unmaking of Non- cooperation The Salt Satyagraha: a case study Quit India The last heroic days Knowing Gandhi
November	12	Framing of the Constitution	A tumultuous time The vision of the constitution Defining rights The powers of the state The language of the nation
	Pre Board Examination		
Pre Board Syllabus as prescribed by CBSE			

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Class 12 Accountancy Session: 2026-27		
Month	Topic	Sub Topic
April	Company Accounts	1. Issue of shares at par & premium and in consideration other than cash , Calls in arrear Calls in advance and Overvsubscription
		2. Oversubscription of shares issued at par & premium. Forfeiture and reissue of shares . Balance sheet representation of Share Capital
		3. Issue of Debentures at par , premium and discount , Issue of Debentures as Collateral securities and Issue of Debentures for consideration other than cash. Issue of debentures when redemption condition is given . Calculation and writting off of interest on Debentures.
May	Analysis of Financial Statements	1. Financial Statements of a Company (Balance sheet as per Schedule III of Companies Act 2013 and Statement of Profit & Loss)- its headings and sub-headings
		2. Horizontal and Vertical anaysis of Financial statements - Comparative and Common size statements
		3. Ratio Analysis- Calculation and significance of Liquidity ratios
Unit Test -I		
June	Analysis of Financial Statements	Ratio Analysis- Calculation and significance of Solvency Ratio , Activity Ratios and Profitability Ratios
July	Analysis of Financial Statements	4. Cash Flow Statement of Operating , Investing and Financing Activities
July	Partnership	Fundamentals of Partnership- 1.Theory 2.P/L Appropriation Account, Interest on Capital, Interest on Drawings , Fixed and Fluctuating Capital 3. Rectification of closed accounts 4. Guarantee of Minimum share of profit
August	Partnership	Change in profit sharing ratio among existing partners- 1.Calculation of Sacrificing and Gaining Ratio 2. Valuation and treatment of Goodwill 3.Treatment of accumulated profits and reserves (including workmen compensation reserve and Investment fluctuation reserve) 4. Revluation of Assets and liabilities 5. Preparation of balance of reconstituted firm.
Block Test 1		
September	Partnership	Admission of a partner- 1. Effect of change in PSR in goodwill, 2. Hidden goodwill 3. Adjustment of capital of existing partneror the new partner 4. Preparation of capital accounts , current account and balance sheet of a reconstituted firm.
October	Partnership	Retirement and Death of a partner- 1. Effect of change in PSR in goodwill, 2.Revaluation of Assets and liabilities 3. Treatment of accumulated profit & loss 4. Partner's loan account and executor's loan account Dissolution of a partnership
November	Partnership	Dissolution of a partnership-Realisation account, Partner's capital account, Memorandum Balance Sheet and Journal entries
	Pre Board Examination	
Pre Board Syllabus as prescribed by CBSE		

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Class 12 Business Studies Session: 2026-27		
Month	Topic	Sub Topic
April	Nature and significance of management	1. Definition, objectives , nature and functions of management, importance of management 2.Functions of top , middle and lower level of management 3. Characteristics and importance of coordination
	Principles of management	1. Nature and importance of Principles of management 2. Fayol's principles of management 3. Taylor's principles and techniques of management 4. Difference between Taylor's and Fyol's contribution
	Business Environment	1. Features and importance of Business Environment 2. Elements of business environment 3. Demonetisation
May	Marketing	1. Definition , features , functions and philosophies of marketing. 2. Definition of market and marketing management. 3. Concept of marketing mix and its elements along with Public relations
Unit Test - I		
June	Financial management	1. Definition of financial management, 2. Three important decisions of financial management and factors affecting them. 3. Financial planning -its objectives and importance 4. Capital structure -its meaning and factors affecting it. 5. Trading on Equity with its mathematical proof 6. Fixed and Working capital-their definition and factors affecting them
July	Financial Martket	1. Definition anf types of Financial market 2. Money market and its instruments 3. Distinction between Money market and Capital market 4. Stock exchange and its functions 5. Trading procedure in Stock exchange 6. Securities Exchange Board of India and its functions and objectives.
	Consumer Protection	1. Concept , importance and scope of consumer protection (According to The Consumer Protection Act, 2019) 2. Rights and liabilities of a consumer 3. Remedies available to a consumer 4. Redressal agencies and its functions 5. Role of NGOs in protecting consumer rights.
	Planning	1. Concept , importance and limitations of planning 2. Process of planning 3. Types of plans- single use plans and standing plans
August	Organising	1. Concept and importance of organising 2.Organising process 3. Functional and Divisional structure and its advantages and disadvantages 4. Formal and Informal organisation and its advantages and disadvantages.
Block Test - I		
September	Organising	5. Delegation and Decentralisation 6. Elements of delegation 7. Importance of decentralisation 8. Differece of delegation and decentralisation
	Staffing	1.Concept and importance of Staffing 2. Functions of HR Management 3.Process of Staffing 4. Meaning and sources of Recruitment
October	Staffing	5. Meaning of Selection and its process 6. Concept and importance of training and development 7. Differece of training and development 8. On-the-job and Off-the-job training
	Directing	1. Concept and importance of Directing 2. Elements of Directing 3.Maslow's hierarchy need theory 4. Leadership and its style 5. Concept and elements of communication 6. Barriers in communication process 7. Measures to overcome the barriers 8.Formal and informal communication.
November	Controlling	1. Concept and importance of controlling 2. Relation between planning and controlling 3. Steps in the process of controlling.
	Pre Board Examination	
Pre Board Syllabus as prescribed by CBSE		



Class 12 Political Science Session: 2026-27

Class 12 Political Science Session: 2026-27			
Month	Units	Book 1 : Contemporary World Politics	
		Topic	Sub -Topic
April-May	1	The End of Bipolarity	The Soviet System, Gorbachev and disintegration, Disintegration of Soviet Union-Causes and Consequences, Shock Therapy; New entities in world politics, India's relations with Russia and other post-communist countries.
	2	Contemporary Centres of Power	European Union, ASEAN, Rise of China as an economic power, Japan and South Korea as emerging powers.
	3	Contemporary South Asia	Military and Democracy in Pakistan and Bangladesh; Monarchy and Democracy in Nepal; Ethnic Conflict and Democracy in Sri Lanka, India-Pakistan Conflicts; India and its Neighbours; Peace and Cooperation
UNIT TEST 1			
June	4	International Organizations	Meaning and importance of International Organisations. Evolution of the UN, Structure and Functions of International Organisations, Principal Organs of UN, Reform of the UN, Reform of Structures, Processes and Jurisdiction of the UN, India and UN Reforms, Key Agencies: IMF, World Bank, WTO, ILO, IAEA; NGO: Amnesty International, Human Rights Watch, Implications and Future of International Organisations
	5	Security in the Contemporary World	Security: Meaning and Type of Security; Traditional and non-traditional concepts of Security, New Sources of Threats, Cooperative Security, India's Security Strategy
July	6	Environment and Natural Resources	Environmental Concerns, Global Commons, Common but differentiated Responsibilities, India's Stand on Environmental Issues, Environmental Movements, Resource Geopolitics, Rights of Indigenous People
	7	Globalisation	Concept of Globalisation, Causes and Consequences of Globalisation, India and Globalisation, Resistance to Globalisation, India and Resistance to Globalisation
August		Book 2: Politics in India Since Independence	
	1	Challenges of Nation-Building	Challenges for the new Nation: Three Challenges; Partition: Displacement and Rehabilitation: Consequences of Partition; Integration of Princely States; Reorganisation of States
	2	Era of One-Party Dominance	Congress dominance in the first three general elections. Nature of Congress dominance, Congress as social and ideological coalition. Tolerance and management of Factions; Emergence of opposition parties
	3	Politics of Planned Development	Political contestation: Ideas of Development, Planning, Planning Commission The Early Initiatives: The First Five Year Plan, Rapid Industrialisation.
BLOCK TEST I			
September	4	India's External Relations	International Context; The Policy of NonAlignment: Nehru's role, Distance from two camps, Afro-Asian Unity; Peace and conflict with China-The Chinese Invasion 1962, War and Peace with Pakistan, Bangladesh War 1971; India's Nuclear Policy
	5	Challenges to and Restoration of the Congress system	Challenges of Political Succession- From Nehru to Shastri, From Shastri to Indira Gandhi Fourth General Election 1967: Context of the Election, Non Congressism, Electoral Verdict, Coalitions, Defections Split in the Congress- Indira vs the Syndicate, Presidential Election 1969 The 1971 Election and Restoration of Congress- The outcome and after, Restoration
	6	The Crisis of Democratic Order	Background to Emergency: Economic Context. -Gujarat and Bihar Movements- Conflict with Judiciary; Declaration of Emergency-Crisis and response, Consequences, Lessons of the Emergency; Politics after Emergency- Lok Sabha Elections 1977, Janata Government Legacy

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October- November	7	Regional Aspirations	Region and the Nation-Indian Approach, Areas of Tension, Jammu and Kashmir, Roots of the Problem, External and Internal disputes, Politics since 1948, Insurgency and After, 2022 and Beyond Punjab- Political Context, Cycle of Violence, Road to Peace The Northeast- Demand for autonomy, Secessionist Movements, Movements against outsiders, Assam and National integration
	8	Recent Developments in Indian Politics	Context of 1990s; Era of Coalition-Alliance Politics; Political rise of the Backward Classes- Mandal Implemented, Political Fallouts; Communalism, Secularism and Democracy; Emergence of New Consensus; Lok Sabha Elections 2004; Growing Consensus
November	Pre Board Examination		
Pre Board Syllabus as prescribed by CBSE			



Class 12 Psychology Session: 2026-27

Month	Units/ Chapters	Topic	Sub-Topic
March & April	4 & 5	Psychological Disorders and Therapeutic Approaches	Concept Of Abnormality: Factors and Models; Classification Of Disorders (DSM V, ICD 10), Characteristics Of Disorders, Major Psychological Disorders: Anxiety, Somatoform, Mood, Dissociative, Childhood Disruptive, Neuro-Developmental, Schizophrenia, Substance abuse. Therapeutic Approaches: Concept, Therapist-Client relationship; Types of Therapies: Psychodynamic, Cognitive Behaviour Therapy, Rational Emotive Therapy, Beck's Cognitive Therapy, Humanistic-Existential Therapy, Client-Centred Therapy, Rehabilitation of mentally ill.
		Project on case study	Introduction To Case Study, Format Of Data Taking, Data Collection And Report Writing Guidelines
		Practical 1	Assessment of intelligence (IQ) of the subject through Raven's Progressive Matrices (RPM)
May - June	1	Variations In Psychological Attributes	Individual Differences In Human Functioning Assessment Of Intelligence Theories Of Intelligence: Spearman, Alfred Binet, Thurstone, Howard Gardener, JP Guilford, Robert Sternberg, PASS model. Measurement of Intelligence: Concept of IQ, Normal Probability Curve, Types of Intelligence tests, Intellectual Deficiency and Intellectual Giftedness; Special Abilities-Aptitude, Creativity, Emotional Intelligence
UNIT TEST I			
July	2	Practical 2	Assessment of the adjustment level of the subject using the Global Adjustment Scale
		Self & Personality	Personality: Nature And Definition, Western and Indian perspective. Major Approaches –Types And Traits. Theories of personality- Psychoanalytic theory by Sigmund Freud, Neo- Freudian theories (Karen Horney, Carl G. Jung, Alfred Adler, Erik Erikson, Erik Fromm), Trait and Type theory (Cattell, Allport, Eysenck). Friedman and Rosenman's theory of types. Hippocrates and Ayurveda Classification. Approaches to Personality- Behavioural, Cultural and Humanistic. Assessment Of Personality-Self Report (EPQ-R, MMPI, 16PF), Behavioural Rating, Projective Techniques - TAT, Rorschach, DAP, sentence completion, Rosenzweig's picture frustration study.
		Practical 3	Assessment of the personality traits of an individual using the Eysenck's Personality Questionnaire revised.

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August	3	Meeting Life Challenges	Stress- Nature And Definition, Types of Stress:Physiological, Psychological,Environmental;Signs and Symptoms of stress, Effects Of Stress, General Adaptation Syndrome (GAS), Stress & Immune system, Coping with stress, Stress Management Techniques. Promoting Positive Health And Wellbeing, Life Skills.
September		Practical 4	Assessment of the self concept of the subject using the Self Concept Questionnaire(SCQ) by RK Saraswat.
	BLOCK TEST I		
	6	Attitude & Social Cognition	Explaining social behaviour,Nature & Components of attitude, Attitude formation and change,Attitude-Behaviour Relationship, Prejudice and Discrimination, Strategies for handling Prejudice
October		Social Influences and group processes	Nature of groups, Formation of groups, types of groups, Why people join groups, Formation of groups, Stages of group formation,Influence of groups on individuals: Social Loafing, Group Polarization, Bandwagon effect
		Practical 5	Assessment of Attitude of the subject using Sodhi's Attitude Scale
November	PRE BOARD EXAMINATION		
Pre Board Syllabus as prescribed by CBSE			

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Class 12 Sociology Session: 2026-27			
Month	Unit	Topic	Sub-Topic
April - May	UNIT A: Indian Society	INTRODUCING INDIAN SOCIETY	Colonialism, Nationalism, Class and Community (Non- evaluative)
	UNIT A: Indian Society	THE DEMOGRAPHIC STRUCTURE OF THE INDIAN SOCIETY	• Theories and concepts in demography • Rural-Urban Linkages and Divisions • Population Policy in India
	UNIT A: Indian Society	SOCIAL INSTITUTIONS: CONTINUITY AND CHANGE	• Caste and the Caste System • Tribal Communities • Family and Kinship
	UNIT B: Social Change and Development in India	STRUCTURAL CHANGE	Understanding Colonialism, Industrialization, Urbanization
Unit Test I			
June	UNIT A: Indian Society	PATTERNS OF SOCIAL INEQUALITY AND EXCLUSION	• Social Inequality and Social Exclusion • Systems justifying and perpetuating Inequality - Caste, Tribe, the Other Backward Classes • Adivasi Struggles • The Struggle for Women's Equality and Rights • The struggles of the Differently Abled
July	UNIT A: Indian Society	THE CHALLENGES OF CULTURAL DIVERSITY	• Cultural communities and the nation state • Regionalism in the Indian context • The Nation state and religion related issues and identities • Communalism, secularism and the nation state • State and Civil Society
	UNIT B: Social Change and Development in India	CULTURAL CHANGE	• Social Reform Movements • Different Kinds of Social Change: Sanskritisation, Westernisation, Modernization, Secularization
August	UNIT B: Social Change and Development in India	CHANGE AND DEVELOPMENT IN RURAL SOCIETY	• Agrarian Structure: Caste & class in Rural India • Land Reforms, Green Revolution and Emerging Agrarian society • Green revolution and its social consequences • Transformation in Rural Society • Circulation of labour • Globalization, Liberalization and Rural Society
Block Test I			
September - October	UNIT B: Social Change and Development in India	CHANGE AND DEVELOPMENT IN INDUSTRIAL SOCIETY	• From Planned Industrialization to Liberalization • How people find Jobs • Work Processes: How work is carried out, working conditions, home based work, Strikes and Unions
November	UNIT B: Social Change and Development in India	SOCIAL MOVEMENTS	• Concept of Social Movements • Theories and Classification of Social Movements • Environmental Movements • Class-Based Movements: Workers, Peasants • Caste-Based Movements: Dalit Movement, Backward Class/Castes, Trends in Upper Caste Responses • Tribal Movements • Women's Movements in Independent India
	Pre Board Examination		
Pre Board Syllabus as prescribed by CBSE			



Class 12 Entrepreneurship Session: 2026-27

Month	Topic	Sub Topic
April	Entrepreneurial Opportunity	1. Concept and elements of business opportunity. 2. Process of sensing opportunities. 3. Need to scan environment and forces affecting business environment. 4. Idea fields and Market assessment 5. Ways of spotting trends. 6. Process of creativity and Innovation 7. Transforming ideas into business opportunities.
May	Entrepreneurial Planning	1. Meaning and characteristics of various forms of business organisations 2. Difference between private and public company
Unit Test - I		
June	Entrepreneurial Planning	3. Concept and importance of Business Plan 4. Difference between the various components of business plan 5. Developing a Business Plan
July	Enterprise Marketing	1. Marketing strategies used in business 2. Marketing Mix- Product mix, Place mix, Promotion mix, Place Mix
	Enterprise Growth Strategies	1. The concept of growth and development of an enterprise 2. Concept, types, advantages and limitations of franchising 3. Growth of business through Mergers and Acquisition 4. Different types of Mergers and Acquisitions and its reasons.
August	Business Arithmetic	1. Concept of unit cost and unit price. 2. Calculation of break even point for multiple products and services 3. Inventory control
Block Test - I		
September	Business Arithmetic	4. Computation of working capital of a business 5. Computation of Return on Investment 6. Computation of Return on Equity and Economic order quantity
October		1. Need for finance in a business. 2. Sources of funds for a firm. 3. Ways of raising funds in primary market.
November		4. Angel investors and Venture Capitalists
Pre Board Examination		
Pre Board Syllabus as prescribed by CBSE		



Class 12 Legal Studies Session: 2026-27

Month	Unit	Topic	Subtopic
April-May	1	Judiciary	Structure and Hierarchy of Courts and Legal Offices in India Constitution, Roles and Impartiality Appointments, Retirement and Removal of Judges Tribunals; Courts and Judicial Review
	2	Alternative Dispute Resolution in India (ADR)	Adversarial and Inquisitorial Systems Meaning and scope of Alternative Dispute Resolution Arbitration, Mediation, Conciliation, Lok Adalats, Ombudsman, Lokpal and Lokayukta
	3	Topics of Law I (Business Law)	Law of Contracts, Law of Torts, Law of Property, Intellectual Property Law
UNIT TEST 1			
June	4	Topics in Law II (General laws)	Law and Sustainable Development, Forms of Legal Entities, Criminal Laws in India
July-August	5	Concept of Human Rights	Human Rights in India i. Constitutional framework and Related laws in India- Human Rights in India; Preamble, Fundamental Rights, Fundamental Duties, Directive Principles of State Policy , Fundamental Duties Human Rights Violations- Complaint Mechanism (Quasi-Judicial bodies)- Quasi-Judicial Bodies- NHRC, NCW, NCM
August	6	International Law	Introduction to International Law Historical Evolution of International Law- What is International Law?; Sources of International Law International Human Rights International law & Municipal Law; International Law & India; Dispute Resolution – ICJ, ICC and Other Dispute Resolution Mechanisms
BLOCK TEST 1			
September	7	Legal Profession in India	The Advocates Act, 1961 Lawyers and Professional Ethics Advertising by Lawyers Opportunities for Law graduates Women and Legal Profession Liberalization and globalization of the Leg
October-November	8	Legal Services	Brief History of Legal Services, Free Legal Aid under Criminal law, Legal Aid by the State, Legal Aid under the Indian Constitution, NALSA Regulations, 2010, Legal Services Authority Act 1987, Legal Aid in the context of Social Justice and Human Rights
November	PRE BOARD EXAMINATION		
Pre Board Syllabus as prescribed by CBSE			

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Class 12 Hindustani Music Vocal Session: 2026-27

Month	Unit	Topic	Sub Topic
April	1	Raag - Bhairav.	Vilambit & Drut Khayal, Alap - Taan. Writing in notation the composition
		Notation Writing	
May	2	Theory: Alankar, Kan, Meend, Khatka, Murki, Gamak.	Brief of the following Alankar, Kan, Meend, Khatka, Murki, Gamak.
Unit Test I			
June	3	Raag - Bageshri	Vilambit & Drut Khayal, Alap - Taan. Writing in notation and Tarana.
		Notation Writing and Tarana.	
July		Theory: Gram, Murchhana, Aalap, Taan.	Brief description of Gram, Murchhana, Aalap, Taan
Block Test 1			
August	4	Raag - Malkauns, Notation Writing and Dhamar.	Writing in Notation the Compositions.
September	5	Taal: Jhaptaal, Rupak, Dhamar, Historical development of Time Theory of Ragas.	Description of Taals along with Taal notation and Time theory in Raga has involved in hindustani classical music.
October	6	Sangeet Ratnakar, Sangeet Parijat, Faiyaz Khan, Bade Ghulam Ali Khan	Brief Sangeet Ratnakar the foundation of Indian Music and Sangeet Parijat development of modern Music. Life sketch of Faiyaz Khan, Bade GulamAli Khan
November	7	Krishna Rao, Shankar Pandit, Tuning Of Tanpura.	Life Sketch and Contribution in Hindustani Music Krishna Rao, Shankar Pandit. Knowledge of tuning of Tanpura
	8	Recognition of Ragas, Revision, Practical File.	All Unit Revision, Submission of File/ Project on Indian Instruments.
Pre Board Examination			
Pre Board Syllabus as prescribed by CBSE			



Class 12 Dance (Bharatnatyam) Session: 2026-2027			
Month	Unit	Topic	Sub Topic
April	1	Acquaintance with Life history of chief exponents	Rukmini Devi Arundale, Bala Saraswati, Meenakshi Sundaram Pillai, Tanjore Quartet
		Practical	Revision of all the Adavus
May	2	Acquaintance with the contents of Abhinaya Darpana	The chapters and aspects of dance dealt with them
		Practical	Revision of Adavus and Alaripu
Unit Test - I			
June	3	(i) Nritta, Nritya, Natya (ii) Tandava and Lasya	(i) Sanskrit slokas from the Abhinaya Darpana and basic defination (ii) 7 Tandavas with detailed stories and Loka dharmi and Natya dharmi Lasya (Definations with examples)
		Practical	Jatiswaram in RupakaTaal
July	4	Sthana, Chari, Mandala , Bharmari, Utplavana	Slokas and meaning from Abhinaya Darpana
		Practical	Jatiswaram in Rupaka Taal
Block Test - I			
August	5	Abhinaya (Angika, Vachika, Satvika Aharya shlokas)	Slokas and meaning from Abhinaya Darpana along with their meaning
		Practical	Hasta Viniyoga of 14 Asamyukta and 12 Samyukta hasta and Deva Hastas from Abhinaya Darpana Padam /Keertanam on Shiva /Krishna / Vinayak / Rama
September	6	Sangeeta, Tala, Laya	Defination of the term, Seven Talams and Three Layams
		Practical	Padam /Keertanam on Shiva /Krishna / Vinayaka / Rama
October	7	Rasas	Names of the 9 Rasas and their English meanings
	8	Knowledge of the technical terminology of the particular dance form	Defination of aramandi, muzhumandi, Kottayam, Korvai etc.
		Practical	Tillana in Adi Taalam and Knowledge of Pada bhedas, Mandalas, Bhramaris and Utplavanas
November	9	Acquaintance with the traditional costumes	Costumes and makeup of the Dance styleoped
		Practical	Tillana in Adi Taalam and Basic knowledge of Carnatic music format of the raga system and 72 melakarta ragams and the music of the items learnt.
November	PRE BOARD EXAMINATION		
Pre Board Syllabus as prescribed by CBSE			



Class 12 Painting Syllabus Session: 2026-27

Month	Unit	Topic	Sub Topic
April-May	1	Rajput School	Ragasthani School Of Painting: Intro, Main features
			Maru Ragini- Mewar School
			Chaugan Players- Jodhpur School
			Krishna On Swing- Bikaner School
			Radha (Bani Thani)- Kishangarh
			Bharat Meet Rama At Chitrakoot- Jaipur
	1	Pahari School & Mughal School	Pahari School- Intro, Main Features
			Krishna With Gopies- Basohli School
			Krishna with Kinsmen Going to Vrindavana
			Mughal School- Intro, Main Features
			Krishna Lifting Mount Govardhana- Miskin
Unit Test I			
May	2	Mughal School	Falcon On A Bird Rest- Ustad Mansoor
			Kabir & Raidas- Faquirullah Khan
			Marriage Procession Of Dara Shukoh- Haji Madni
June	2	Deccan School	The Deccan School- Intro
			Hazrat Nizamuddin Auliya & Amir Khuhusro
			Chand Bibi Playing Polo
			National Flag Of India & Symbolic Significance
July	2	Bengal School	Bengal School- Intro, Features
			Journey's End- Abanindranatha Thakur
			Shiva & Sati- Nandalal Bose
			Radhika- Chughtai
August	3	Modern trends (Painting)	Meghdoot- Ram Gopal Vijaivargiya
			Contribution Of Indian Artist, Freedom movement
			Rama Vanquishing The Pride Of Ocean- Ravi Verma
			Mother & Child- Jamini Roy
			Haldi Grinders- Amrita Sher Gill
			Mother Teresa- Hussain
Block Test I			
September	3	Modern trends (Painting & Graphics)	Children- Somnath Hore
			Devi- Jyoti Bhatt
			Of Walls- Anupam Sud
			Man, Woman & Tree- Laxma Goud
October	3	Modern trends (Graphics & Sculpture)	Triumph Of Labour- D.P Roy Chowdhury
			Santhal Family- Ramkinkar Vajj
November	3	Modern trends (Graphics & Sculpture)	Cries Un- Heard- Amar Nath Sehgal
			Ganesh- P.V. Janaki Ram
			Pre Board Examination
Pre Board Syllabus as prescribed by CBSE			

Syllabus



**DELHI PUBLIC SCHOOL
RUBY PARK, KOLKATA**



Class 12 Physical Education Session: 2026-27

Month	Unit	Topic	Sub Topic
April	1	Management of Sporting Event	Function of Sports Events Management (Planning, Organising, Staffing, Directing & Controlling)
			Various Committees & their Responsibilities (Pre, During and Post)
			Fixture and its Procedures- Knock-Out (Bye & Seeding) & League (Staircase, Cyclic & tabular method) and Combination tournament
			Intramural & Extramural tournaments – Meaning, Objectives & Its Significance
			Community sports program (Sports Day, Health Run, Run for Fun, Run for Specific Cause & Run for Unity)
April	2	Children & Women in Sports	Exercise guidelines of WHO for different age groups.
			Common Postural Deformities - Knock Knee, Bow Legs, Flat Foot, Round Shoulders, Lordosis, Kyphosis and Scoliosis and their respective corrective measures.
			Women's participation in Sports – Physical, Psychological, and social benefits.
			Special consideration (Menarche & Menstrual Dysfunction)
May	3	Yoga as Preventive measures for Lifestyle Disease	Female Athletes Triad (Osteoporosis, Amenorrhoea, Eating Disorders)
			Obesity: Procedure, Benefits & Contraindications for Tadasana, Katichakrasana, Pawanmuktasana, Matsayāsana, Halāsana, Pachimottāsana, Ardha – Matsyendrasana, Dhanurasana, Ushtrasana, Surya bhedana pranayama.
			Diabetes: Procedure, Benefits & Contraindications for Katichakrasana, Pawanmuktasana, Bhujangāsana, Shalabhasana, Dhanurasana, Supta- vajrasana, Paschimottāsana, Ardha-Matsyendrasana, Mandukasana, Gomukasana, Yogmudra, Ushtrasana, Kapalabhati.
			Asthma: Procedure, Benefits & Contraindications for Tadasana, Urdhva hasthasana, Uttana Mandukasana, Bhujangāsana, Dhanurasana, Ushtrasana, Vakrasana, Kapalabhati, Gomukhasana, Matsyasana, Anuloma- Viloma
			Hypertension: Procedure, Benefits & Contraindications for Tadasana, Katichakrasana, Uttanpadasana, Ardha Halāsana, Sarala Matyasana, Gomukhasana, UttanMandukasana, Vakrasana, Bhujangāsana, Makarasana, Shavasana, Nadi- shodhanapranayam, Sitalpranayam.
May - June	4	Physical Education & Sports For CWSN	Back Pain and Arthritis: Procedure, Benefits & Contraindications of Tadasana, Urdhava hastotanasana, Ardha-Chakrasana, Ushtrasana, Vakrasana, Sarala Matsyendrasana, Bhujangāsana, Gomukhasana, Bhadrasana, Makarasana, Nadi-shodhana pranayama
			Organizations promoting Disability Sports (Special Olympics; Paralympics; Deaflympics)
			Concept of Classification and Divisioning in Sports.
			Concept of Inclusion in sports, its need, and Implementation
July	5	Sports & Nutrition	Advantages of Physical Activities for children with special needs
			Strategies to make Physical Activities assessable for children with special needs.
			Unit Test 1
			Concept of balance diet and nutrition.
			Macro and Micro Nutrients; Food sources & functions.
July - August	6	Test & Measurement In Sports	Nutritive & Non-Nutritive Components of Diet.
			Eating for Weight control – A Healthy Weight, The Pitfalls of Dieting, Food Intolerance, and Food Myths
			Importance of Diet in Sports-Pre, During and Post competition Requirements
			Fitness Test- SAI Khelo India Fitness Test in school: Age group 5-8 yrs/class 1-3: BMI, Flamingo Balance Test, Plate Tapping Test, Age group 9-18 yrs/class 4-12: BMI, 50mt Speed test, 600 mt Run/Walk, Sit & Reach flexibility test, Strength Test (Abdominal Partial Curl Up, Push-Ups for boys, Modified Push-Ups for girls).
			Measurement of Cardio- Vascular Fitness – Harvard Step Test – Duration of the Exercise in Seconds x100/5.5 X Pulse count of 1-1.5 Min after Exercise.
August	7	Physiology & Injuries in Sports	Computing Basal Metabolic Rate (BMR)
			Rikli & Jones - Senior Citizen Fitness Test 1. Chair Stand Test for lower body strength 2. Arm Curl Test for upper body strength 3. Chair Sit & Reach Test for lower body flexibility 4. Back Scratch Test for upper body flexibility 5. Eight Foot Up & Go Test for agility 6. Six Minute Walk test for aerobic endurance
			Johnson- Methney test of motor educability (Front roll, Jumping half-turn, Jumping full turn.)
			Block Test 1
			Physiological factor determining component of Physical Fitness
September	8	Biomechanics & Sports	Effect of exercise on Muscular System
			Effect of exercise on Cardio - Respiratory System
			Physiological changes due to aging
			Sports injuries: Classification (Soft Tissue Injuries: (Abrasion, Contusion, Laceration, Incision, Sprain & Strain) Bone & Joint Injuries: (Dislocation, Fractures: Green Stick, Comminuted, Transverse Oblique & Impacted).
			Newton's Law of Motion & its application in sports
September	8	Biomechanics & Sports	Types of Levers and their application in Sports.
			Equilibrium - Dynamic & Static and Centre of Gravity and its application in sports
			Friction & Sports

Syllabus



**DELHI PUBLIC SCHOOL
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			Projectile in Sports.
October	9	Psychology & Sports	Personality; its definition & types (Jung Classification & Big Five Theory)
			Motivation, its type & techniques
			Exercise Adherence: Reasons, Benefits & Strategies for Enhancing it
			Meaning, Concept & Types of Aggressions in Sports
			Psychological Attributes in Sports - Self Esteem, Mental Imagery, Self Talk, Goal setting
October - November	10	Training In Sports	Concept of Talent Identification and Talent Development in Sports.
			Introduction to Sports Training cycle - Micro, Meso, Macro Cycle.
			Types and Method to Develop - Strength,Endurance,and Speed
			Type and Method to Develop - Flexibility and Coordinative Ability.
			Circuit Training - Introduction & its importance
November	Pre Board Examination		
Pre Board Syllabus as prescribed by CBSE			



Class 12 Yoga Session: 2026-27

Month	Unit	Topic	Sub Topic
April	PART-A	EMPLOYABILITY SKILLS	Unit 1: Communication Skills- IV
			Unit 2: Self-management Skills- IV
			Unit 3: Information and Communication Technology Skills-IV
May	UNIT 1	INTRODUCTION TO YOGA AND YOGIC PRACTICES – II	Shatkarma meaning, purpose and their significance in yoga sadhana
			Yogasana - meaning, principal and their health benefit.
May - June	UNIT 1	INTRODUCTION TO YOGA AND YOGIC PRACTICES – II	Introduction to Pranayama and Dhyana and their health benefits.
			Identify career opportunities in Yoga
Unit Test 1			
July	UNIT 2	INTRODUCTION TO YOGA TEXTS - II	Concepts of Aahara (Diet) according yogic text.
			Significance of Hath Yoga practices in Health promotion.
			Concept of mental health well-being according to patanjali Yoga
July - August	UNIT 2	INTRODUCTION TO YOGA TEXTS - II	Yogic practice of Patanjali yoga: Bahiranga and Antranga Yoga
			Concept of healthy living style in Bhagavad Gita
			Importance of subjective experience in daily yoga practice
Block Test 1			
August	PART-A	EMPLOYABILITY SKILLS	Unit 4: Entrepreneurial Skills- IV
			Unit 5: Green Skills- IV
September	UNIT 3	YOGA FOR HEALTH PROMOTION - II	Introduction to first aid and CPR
			Yogic management of stress and its consequences
October	UNIT 3	YOGA FOR HEALTH PROMOTION - II	Yogic prevention of common diseases
			Yoga and personality development
October - November	PART-A	EMPLOYABILITY SKILLS	Communication Skills- IV (Revision)
			Self-management Skills- IV (Revision)
			Information and Communication Technology Skills-IV (Revision)
			Entrepreneurial Skills- IV (Revision)
			Green Skills- IV (Revision)
November	Pre Board Examination		
Pre Board Syllabus as prescribed by CBSE			