

UP TGT Syllabus



GENERAL KNOWLEDGE

Unit	Topic Category	Sub-topics / Details
Unit 1	 Current Affairs	• Current Events of State, National and International Importance • Personalities in News • Sports
Unit 2	 Indian History, Polity, Economy & Geography	• Indian History and Indian National Movement • Indian Constitution and polity, Legal and Constitutional Development related with Educational System • Indian Economy • Basic Indian Geography, Population
Unit 3	 General Science & ICT	• General Science, Technology and Environment in contemporary context • Human Health and Hygiene - Vitamins, Minerals, Diseases, Deficiency diseases, Hormones and Enzymes • Computer and Internet Terminology • ICT uses • Development in Educational Technology



ENGLISH

Section	Topic Category	Core Topics / Detailed Breakdown
 English	 Language & Grammar	• Unseen Passages for Comprehension • Parts of Speech, Tenses, Articles, and Prepositions • Subject-Verb Agreement, Transformation of Sentences, and Direct/Indirect Speech • Active & Passive Voice, Punctuation, and Spelling Rules • Vocabulary: Synonyms, Antonyms, Idioms & Phrases, One-Word Substitution
	 Literature & Literary Devices	• Forms of Literature (Poetry, Drama, Novel, Essay, Short Story) • Figures of Speech (Simile, Metaphor, Personification, Oxymoron, Hyperbole, Alliteration, Onomatopoeia, etc.) • Authors & Works: William Shakespeare, John Milton, William Wordsworth, Lord Alfred Tennyson, Charles Dickens, P.B. Shelley, John Keats, Charles Lamb, Matthew Arnold, Thomas Hardy, T.S. Eliot, Kamala Das, Mukul Raj Anand, Nissim Ezekiel, Robert Frost, Walt Whitman, Ernest Hemingway, William Faulkner



HINDI

Subject	Topic Category	Sub-topics / Details
हिन्दी	साहित्य का इतिहास	आदिकाल, भक्तिकाल (संत काव्य, सूफी काव्य, कृष्ण काव्य, राम काव्य), रीतिकाल, आधुनिक काल, भारतेंदु युग, द्विवेदी युग, छायावाद, प्रगतिवाद, प्रयोगवाद, नई कविता
	गद्य साहित्य का विकास & रचनाकार	- निबंध, नाटक, उपन्यास, कहानी, लघु विधाएँ (जीवनी, आत्मकथा, संस्मरण, रेखाचित्र, यात्रा-साहित्य, गद्यकाव्य, व्यंग्य) - प्रमुख हिन्दी रचनाकार एवं उनकी कृतियाँ
	काव्य के भेद & भाषा/शैली	- रस के अवयव एवं भेद, छंद, अलंकार (शब्दालंकार, अर्थालंकार), काव्यगुण, काव्य दोष - हिन्दी की बोलियाँ, भाषाएँ, शब्द सम्पदा, ध्वनियाँ, देवनागरी लिपि (मानकीकरण, विकास, वैज्ञानिकता, विशेषताएँ, स्वर एवं व्यंजन)
	व्याकरण शास्त्र	संधि, समास, कारक, वाच्य, वर्तनी, शब्द-शुद्धि, वाक्य-शुद्धि, पर्यायवाची, विलोम, श्रुतिसमभिन्नार्थक शब्द, वाक्यांशों के लिए एक पद, मुहावरे, लोकोक्तियाँ
	संस्कृत साहित्य एवं व्याकरण	- प्रमुख संस्कृत एवं हिन्दी-संस्कृत साहित्यिक संबंध - संस्कृत भाषा, वर्ण-विचार, शब्द रूप, धातु रूप, कारक प्रयोग, अनुवाद



MATHEMATICS

Subject	Topic Category	Sub-topics / Details
Mathematics	Commercial Math & Statistics	- Work, Time, Speed, Simple & Compound Interest, Banking, Taxation - Frequency Distributions, Mean, Median, Mode, Standard Variance, Birth/Death Statistics, Indices
	Algebra, Determinants & Matrices	- Surds, Polynomials, Linear & Quadratic Equations, Logarithms, Ratio & Proportion - Determinants (up to 3x3), Cramer's Rule, Matrix Operations, Symmetric & Skew-Symmetric Matrices, Inverse Matrix Method
	Set Theory, Probability & Real Analysis	- Set Algebra, Equivalence Relations, Mappings, Mathematical Induction, Group Theory - Addition/Multiplication Theorems of Probability - Real Numbers, Metric Spaces, Countable Sets, Limits, Continuity, Differentiability, Bolzano-Weierstrass Theorem, Rolle's Theorem
	Trigonometry & Complex Variables	- Trigonometric Ratios, Identities, Equations, Inverse Functions, Heights & Distances - Operations on Complex Numbers, De Moivre's Theorem, Hyperbolic Functions
	Coordinate & 3D Geometry	- Pythagoras Theorem, Circles, Chords, Tangents, Plane Figures - Cartesian Plane, Pair of Straight Lines, Conic Sections (Parabola, Ellipse, Hyperbola), 3D Geometry (Sphere, Cone, Cylinder)

MATHEMATICS

Subject	Topic Category	Sub-topics / Details
Mathematics	Calculus, Vectors, Statics & Dynamics	- Differentiation, Integration, Definite Integrals, Differential Equations (First Order) - Vectors: Dot/Cross/Triple Products, Displacement, Velocity, Force - Statics: Equilibrium of Forces, Lami's Theorem, Centre of Gravity - Dynamics: Projectiles, Motion in a Plane, Laws of Motion, Work-Energy Theorem

SCIENCE

Subject	Topic Category	Sub-topics / Details
Science	Mechanics, Thermal & Waves	- Units, Dimensions, Scalar & Vector Products, Kinematics, Laws of Motion, Work, Energy, Momentum - Rotational Motion, Moment of Inertia, Kepler's Laws, Gravitation, Escape Velocity - Fluid Mechanics, Viscosity, Surface Tension, Elasticity, Mass-Energy Equivalence - Heat, Thermal Expansion, Black Body Radiation, Thermodynamics (Carnot Engine, Entropy) - Harmonic Motion, Wave Motion, Sound, Doppler Effect
	Optics, Electromagnetism & Modern Physics	- Reflection, Refraction, Lenses, Mirrors, Wave Optics (Interference, Diffraction, Polarization) - Electrostatics, Current Electricity, Capacitors, Wheatstone Bridge, Electromagnetic Induction, AC Circuits - Atomic Structure, Bohr Model, Photoelectric Effect, Radioactivity, Semiconductors, Logic Gates
	Physical & Inorganic Chemistry	- Matter & Classification, Laws of Chemical Combination, Atomic Theory - Quantum Numbers, Electronic Configuration (Aufbau, Hund, Pauli Principles), de Broglie & Heisenberg Principles - Chemical Bonding (Ionic, Covalent, Coordinate, Hybridization, VSEPR), Radioactivity - Electrochemistry, Nernst Equation, Periodic Table & Periodic Properties (s, p, and d-block elements)
	Organic Chemistry	- General Organic Chemistry: Inductive, Electromeric, Mesomeric Effects, Hyperconjugation, Resonance - Isomerism, IUPAC Nomenclature, Reaction Mechanisms - Preparation & Properties of Alkanes, Alkenes, Alkynes, Alkyl Halides, Carboxylic Acid Derivatives, Benzene

BIOLOGY

Subject	Topic Category	Sub-topics / Details
Biology	Non-Chordates & Chordates	- Classification, Characteristics, and Life Cycles of Protozoa, Porifera, Coelenterata, Platyhelminthes, Aschelminthes, Annelida, Arthropoda, Mollusca, Echinodermata, Chordata - Protozoan Diseases, Polymorphism in Coelenterata, Helminth Parasites, Beneficial/Harmful Insects, Poisonous/Non-poisonous Snakes
	Cell Biology, Physiology & Evolution	- Structure of Prokaryotic & Eukaryotic Cells, Organelles, Biomolecules - Human Physiology: Digestive, Respiratory, Circulatory, Excretory, Nervous, and Endocrine Systems - Genetics & Evolution: Mendel's Laws, Linkage, Crossing Over, Human Genetics, Darwinism, Lamarckism, Neo-Darwinism, Human Evolution
	Cryptogams & Phanerogams	- Viruses & Fungi: Structure, Life Cycle & Economic Importance (TMV, Bacteriophage, Rhizopus, Agaricus, Puccinia, Albugo) - Algae & Lichens: Volvox, Nostoc, Oedogonium, Ectocarpus, Polysiphonia, Lichen Types - Bryophytes, Pteridophytes & Gymnosperms: Marchantia, Riccia, Funaria, Selaginella, Equisetum, Dryopteris, Cycas, Pinus - Angiosperms: Morphology, Anatomy, Taxonomy, Families, Economic Importance
	Plant Physiology, Cytology & Ecology	- Photosynthesis, Respiration, Transpiration, Mineral Nutrition, Plant Hormones - Molecular Biology: DNA/RNA Structure, Replication, Protein Synthesis - Ecology & Environment: Ecosystem Structure, Energy Flow, Pollution, Conservation

COMMERCE & ACCOUNTING

Subject	Topic Category	Sub-topics / Details
Commerce & Accounting	Financial Accounting	- Basic Accounting Principles, Double Entry System, Journal, Ledger, Trial Balance - Final Accounts with Adjustments, Bank Reconciliation Statement (BRS) - Depreciation Accounting, Bills of Exchange, Rectification of Errors
	Specialized Accounts	- Partnership Accounts (Admission, Retirement, Death, Dissolution) - Company Accounts (Issue and Forfeiture of Shares, Issue/Redemption of Debentures) - Hire Purchase and Installment Payment Systems, Royalty Accounts, Non-Profit Organization (NPO) Accounts
	Economic Theory & Indian Economy	- Microeconomics: Demand, Supply, Market Forms, Distribution Theories (Rent, Wages, Interest, Profit) - Macroeconomics & Public Finance: National Income, Taxation, Public Debt, Inflation, Budget - Indian Economy: Agriculture, Industrial Policy, Planning, Poverty, Unemployment, Foreign Trade, International Financial Organizations (IMF, World Bank)

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Feature / Metric		UP TGT
	Total Written Questions	120 Questions
	Compulsory General Studies	30 Questions (90 Marks)
	Core Subject Portion	90 Questions (270 Marks)
	Marking Scheme	3 Marks per correct answer
	Total Written Marks	360 Marks
	Negative Marking	1/3 Penalty for wrong answers
	Interview Round	No Interview (100% Written)
	Exam Duration	2 Hours (120 Minutes)



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Official Subject & Category Wise

Cut-Offs

Out of 500 Marks

Graduation Cap

Document with Star

Subject	General (UR)	OBC	SC	ST
English	391.13	366.93	342.74	314.51
हिंदी (Hindi)	484	484	480	456
Mathematics	456	448	428	—
Science	362.88	342.72	294.33	—
Biology	440	432	416	—
Social Science	404	388	372	296

KNOWLEDGE

PREPARATION

SUCCESS

Pencil Holder

Globe

Potted Plant

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