

Class 8 Syllabus

Hindi

संज्ञा, सर्वनाम, विशेषण और क्रिया, काल, लिंग और वचन, समास, संधि, उपसर्ग और प्रत्यय, पर्यायवाची, विलोम, अनेकार्थक एवं श्रुतिसमभिन्नार्थक शब्द, मुहावरे और लोकोक्तियाँ, अलंकार, विराम-चिह्न एवं वाक्यों की अशुद्धि संशोधन, तर्कणिक क्षमता

English

Parts of Speech, Determiners and Subject-Verb Agreement, Tenses, Voice and Narration, Gerund, Infinitive and Participle, Clauses and Transformation of Sentences, Synonyms, Antonyms, One Word Substitution and Vocabulary, Cloze Test, Choosing Appropriate Filler and Sentence Improvement, Reading Comprehension and Judging Completeness of Process, Logical Reasoning and HOTS

Mathematics

Rational Numbers, Squares and Square Roots, Algebraic Expressions, Identities and Linear Equations, Comparing Quantities, Percentage, Discount and Taxes, Direct and Inverse Proportion, Mensuration – Surface Area and Volume, Data Handling – Graphs, Pie Charts and Probability, Exponents and Powers, Reasoning and HOTS

Science

Crop Production, Microorganisms and Conservation of Plants and Animals, Matter in Our Surroundings and Properties of Substances, Force, Pressure and Friction, Sound, Light and Some Natural Phenomena, Chemical Effects of Electric Current, Coal, Petroleum and Combustion, Reproduction and Reaching the Age of Adolescence, Ecosystem, Pollution and Environmental Conservation

General Knowledge

Indian Freedom Struggle and Modern Indian History, Indian Constitution, Polity and Elections, Geography – Physical Features, Climate and Environment, Science and Technology, International Organisations, Awards and Honours, Current Affairs (National & International), Books and Authors, Logical Reasoning

Social Studies

British Rule in India and Freedom Movement, Revolt of 1857 and Expansion of Company Rule, Indian Constitution, Parliament and Secularism, Judiciary, Human Rights and UNO, Natural Resources and Conservation, Agriculture, Industries and

Economic Activities, Population, Vegetation and Wildlife, Maps and Map Interpretation

Computer Science

Algorithms and Flowcharts (Advanced Symbols), Number System and Operating Systems, MS-Excel (Formulas, Functions and Data Handling), HTML and CSS (Lists, Links and Attributes), MS-Access (Database Concepts), Networking and Cyber Safety (Cyber Crimes & Laws), AI, Robotics and Latest Developments in IT, Logical Reasoning and HOTS

Physical Health and Yoga

Concept and scope of Yoga as a lifestyle, Principles of Yoga practice (discipline, regularity, safety), Benefits and limitations of Yogic practices, Asanas for strength, balance and flexibility, Asanas for spinal health, Pranayama – types and benefits, Role of Yoga in emotional balance, Introduction to meditation and relaxation, Yoga for managing exam stress, Role of nutrition in physical health, Components of physical fitness, Postural deformities and corrective exercises, Healthy lifestyle and sleep habits, Prevention of common lifestyle problems in adolescents, Yoga for self-confidence and self-control