



An eye on talent

# **O**LYMPIAD **A**PTITUDE **T**EST

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## **Syllabus Grade 8**

### **Mathematics**

Rational Numbers, Squares and Square Roots, Cubes and Cube Roots, Exponents and Powers, Comparing Quantities, Algebraic Expressions and Identities, Linear Equations, Quadrilaterals, Constructions, Mensuration, Direct and Inverse Variations, Factorisation.

### **Science**

Crop Production and Management, Microorganisms, Synthetic Fibres and Plastics, Metals and Non-metals, Coal and Petroleum, Combustion and Flame, Conservation of Plants and Animals, Cell, Reproduction and Endocrine System, Force and Pressure, Friction, Sound, Chemical Effects of Electric Current, Light, Solar System, Pollution.

### **English**

Synonyms, Antonyms, Analogies and Spellings, Collocations, Phrasal Verbs, Idioms or Proverbs, Homonyms and Homophones, One word, Nouns, Pronouns, Verbs, Adverbs, Adjectives, Articles, Prepositions, Prepositional Phrases, Participle Phrases, Conjunctions, Determiners, Jumbled Words and Punctuations, Tenses, Voices and Narrations, Question Tags, Comprehensions, Letters.

## **Reasoning**

Series , Analogy and Classification, Coding-Decoding,  
Blood Relations, Direction Sense Test, Venn Diagrams,  
Sequence, Mathematical Operations, Analytical Reasoning  
Mirror and Water Images, Figures, Figure Matrix  
Paper Folding and Paper Cutting, Cubes and Dice, Dot Situation

## **Computer**

Fundamentals of Computers, Internet & Viruses, HTML,  
Html Elements, Flash CS6, MS-Access, Networking, MS-Word,  
MS-PowerPoint, MS-Excel, Memory & Storage Devices,  
Basics of Cyber Crimes, Cyber Laws, Operating Systems,  
Latest Developments.

## **General Knowledge**

Plants and Animals, India and the World,  
Science and Technology, Earth and its Environment,  
Universe, Language and Literature, Entertainment,  
Social Studies, Sports, Quantitative Aptitude and Reasoning,  
Current Affairs, Life Skills.