



An eye on talent

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

---

## **Syllabus Grade 10**

### **Mathematics**

Real Numbers, Polynomials, Linear Equations, Quadratic Equations, Arithmetic Progressions, Triangles, Coordinate Geometry, Trigonometry, Circles, Constructions, Areas and Volumes, Statistics, Probability.

### **Science**

Chemical Reactions, Acids, Bases and Salts, Metals and Non-metals, Carbon Compounds, Periodic Classification of Elements, Life Processes, Control and Coordination, Reproduction, Heredity and Evolution, Light-Reflection and Refraction, Electricity, Magnetic Effects of Current, Sources of Energy, Environment

### **English**

Synonyms, Antonyms, Analogies and Spellings, One Word, Word order, Nouns, Verbs, Adverbs, Adjectives, Articles, Prepositions, Conjunctions, Punctuations, Voices, Narration, Concord, Question forms, Tenses, Conditionals, Modals, Collocations, Phrasal verbs, Idioms, Homonyms and homophones

## **Reasoning**

Series , Analogy and Classification, Coding-Decoding,  
Blood Relations, Direction Sense, Puzzle Test,  
Venn Diagrams, Sequence, Mathematical Operations,  
Alphabet Test and Logical, Inserting the Missing Character

## **Computer**

Fundamentals of Computer, Operating System,  
MS-Word, Networking, MS-PowerPoint, MS-Excel,  
HTML, Internet, Database Management System,  
Windows 7, Updates on Dizital Literacy.

## **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.