



OLYMPIAD APTITUDE TEST

GRADE I: CONTENTS: Mathematics

1. Shapes and Space
2. Numbers
3. Addition
4. Subtraction
5. Time
6. Days, Weeks and Months
7. Patterns
8. Money
9. Measurement
10. Data Handling

GRADE I: CONTENTS: Science

1. Living and non living things
2. Plant and animal life
3. My body
4. Food
5. Homes
6. Health and hygiene
7. Safety and first aid
8. Air, water and weather
9. Our universe
10. Light and sound
11. People who help us



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GRADE II: CONTENTS: Mathematics

1. Numbers
2. Addition and Subtraction
3. Multiplication
4. Division
5. Fractions
6. Length, Mass and Capacity
7. Shapes (2D and 3D)
8. Time
9. Money
10. Pictographs

GRADE II: CONTENTS: Science

1. Living and Non-living things
2. Plant Life
3. Animal Life
4. Human Body
5. Air, Water and Weather
6. Rock and Minerals
7. Our Universe
8. Safety and First Aid
9. Housing and Clothing



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GRADE III: CONTENTS: Mathematics

1. Numbers
2. Addition and Subtraction
3. Multiplication
4. Division
5. Fractions
6. Money
7. Time
8. Measurement
9. Shapes
10. Handling data

GRADE III: CONTENTS: Science

1. Living and Non-living things
2. Plant Life
3. Animals their Food & Home
4. Birds: Beaks, Claws & Nests of the Birds
5. Soil
6. Air, Water and Weather
7. Our Universe
8. Human Body
9. Safety and First Aid
10. Housing and their surroundings
11. Measurements



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GRADE IV: CONTENTS: Mathematics

1. Large Numbers
2. Roman Numerals
3. Addition & Subtraction
4. Multiplication & Division
5. Factors & Multiples
6. Fractions
7. Measurement
8. Geometry
9. Time
10. Perimeter & Area
11. Handling Data

GRADE IV: CONTENTS: Science

1. Plant Life
2. Animal Life
3. Food & Digestion, Health & Hygiene
4. Teeth & Microbes
5. Safety & First Aid
6. Our Clothes
7. Air, Water &
8. Our Universe
9. Matter
10. Force, Work & Energy



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GRADE V: CONTENTS: Mathematics

1. Large Numbers
2. Factors and Multiples
3. Fractions
4. Decimals
5. Arithmetic
6. Geometry
7. Mensuration
8. Measurement
9. Data Handling

GRADE V: CONTENTS: Science

1. Plant Life
2. Animal Life
3. Human Body
5. Soil, Rocks & Minerals
6. Air, Water & Weather
7. The Moon
8. Matter
9. Force, Work & Energy
10. Safety & First Aid



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GRADE VI: CONTENTS: Science

1. Measurement and Motion
2. Forces
3. Work & Energy
4. Light, Shadow & Reflection
5. Electricity & Circuits
6. Magnets
7. Materials: Types & Sorting
8. Separation of Substances
9. Changes Around us
10. Water
11. Air

GRADE VI: CONTENTS: Mathematics

1. Sets
2. Natural and Whole Numbers
3. Integers
4. Factors and Multiples
5. Fractions
6. Decimals
7. Squares and square roots
8. Ratio, Proportion & Unitary method
9. Percentages
10. Algebra
11. Lines and Angles
12. Triangles & Polygons
13. Circles
14. Length & Mass
15. Area & Perimeter



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GRADE VII: CONTENTS: Mathematics

1. Sets
2. Rational Numbers
3. Factors and Multiples
4. Cubes and Cube Roots
5. Ratio and Proportion
6. Percentage
7. Profit and Loss
8. Simple Interest
9. Compound Interest
10. Identities
11. Factorisation
12. Simple Equations
13. Triangles & Polygons
14. Circles
15. Mensuration
16. Solid Geometry

GRADE VII: CONTENTS: Science

1. Motion and Time
2. Heat
3. Light
4. Electric Current and Its Effects
5. Physical and Chemical Changes
6. Acids, Bases and Salts
7. Winds, Storms and Cyclones
8. Water - A Precious Resource
9. Nutrition in Plants
10. Nutrition in Animals
11. Fibre to Fabric
12. Organization in Living Beings, Changes and Adaptation
13. Soil
14. Respiration in Organisms
15. Transportation in Living Beings
16. Reproduction and Growth in Plants
17. Resources on Earth - Forests and Ecosystems



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GRADE VIII: CONTENTS: Mathematics

1. Rational Numbers
2. Linear Equations in One Variable
3. Understanding Quadrilaterals
4. Data Handling
5. Squares and Square roots
6. Cubes and Cube roots
7. Comparing Quantities
8. Algebraic Expressions and Identities
9. Visualising Solid Shapes
10. Mensuration
11. Exponents and Powers
12. Direct and Inverse Proportions
13. Factorisation
14. Introduction to Graphs
15. Playing with Numbers

GRADE VIII: CONTENTS: Science

1. Force and Pressure
2. Friction
3. Sound
4. Chemical Effects of Electric Current
5. Some Natural Phenomena
6. Light
7. Stars and The Solar System
8. Food Production and Management
9. Cell
10. Microorganisms
11. Conservation of Plants and Animals
12. Reproduction in Animals
13. Reaching the Age of Adolescence
14. Synthetic Fibres and Plastics
15. Materials: Metals and Non-metals
16. Coal and Petroleum
17. Combustion and Flame
18. Pollution of Air and Water



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GRADE IX: CONTENTS: Mathematics

1. Number Systems
2. Polynomials
3. Co-ordinate Geometry
4. Linear Equations in Two Variables
5. Introduction to Euclid's Geometry
6. Lines and Angles
7. Triangles
8. Quadrilaterals
9. Area of Parallelograms and Triangles
10. Circles
11. Heron's Formula
12. Surface Areas and Volumes
13. Statistics
14. Probability

GRADE IX: CONTENTS: Science

1. Motion
2. Force and Laws of Motion
3. Gravitation and Pressure
4. Work, Energy and Power
5. Sound
6. Matter in our Surroundings
7. Is Matter Around us Pure
8. Atoms and Molecules
9. Structure of the Atom
10. Cell .
11. Tissues
12. Diversity in Living Organisms
13. Health and Diseases
14. Improvement in Food Resources
15. Natural Resources



An Eye on Talent

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GRADE X: CONTENTS: Mathematics

1. Number
2. Polynomials
3. Quadratic Equations
4. Progressions
5. Mensuration
6. Co-ordinate Geometry
7. Plane Geometry
8. Trigonometry
9. Probability
10. Functions
11. Limits
12. Binomial Theorem

GRADE X: CONTENTS: Science

1. Light, Reflection and Refraction
2. The Human Eye and the Colourful World
3. Electricity
4. Magnetics Effects of Electric Current
5. Sources of Energy
6. Life Processes
7. Control and Co-ordination
8. Reproduction
9. Heredity and Evolution
10. Our Environment
11. Managment of Natural Resources
12. Chemical Reactions and Equations
13. Acids, Bases and Salts
14. Metals and Non-metals
15. Carbon and Its Compounds
16. Periodic Classification of Elements