**OLYMPIADS**

**In today’s times Olympiad exams are one of the prestigious exams conducted in schools for students studying in grade 1 to grade 10. Subjects covered are Math, Science, English, Computer, General knowledge…**

This exam helps in boosting the reasoning abilities, assess students and get a good idea of their potential in the academic subjects.

**Top EXAMS Conducting Bodies in India are**

* International Science Olympiad (ISO)
* International Math Olympiad (IMO)
* English International Olympiad (EIO)
* General Knowledge International Olympiad (GKIO)
* International Computer Olympiad (ICO)
* International Drawing Olympiad (IDO)

In Olympiad, the questions asked are related to the subject’s students study in class, but they are asked differently. There are many ways of framing questions from one particular topic. This ensures that the child has understood fundamental concepts well. School text books provide a basic understanding of chapter.

Students from class 1 to class 4 are asked 35 questions within the time limit of 65 minutes. Whereas, those from class 5 to class 10 are asked 50 questions within the same time limit. The **logical reasoning** segment includes patterns, grouping of figures, ranking test, measuring units, geometric shapes, odd one out, analogy, special understanding, embedded figures, blood relations, direction sense test, mirror image, water image, paper folding, paper cutting, figure matrix, mathematical operations, cubes and dice, Venn Diagrams, analytical reasoning, figure formation, puzzles, and ranking.

The motive behind conducting the Math, English, General Knowledge, Science Olympiad exam is to ensure that students have mastered the topics taught in class. The Olympiad exam is conducted using the multiple-choice format. Thus, students have to be thorough before attempting the exam.

All question papers are divided into 3 parts

**SECTION 1 – SUBJECTIVE**

**SECTION 2 - LOGICAL REASONING**

**SECTION 3 - HOT's (HIGH ORDER THINKING SECTION)**

**SCIENCE SYLLABUS for the exams is given below for each grade.**

**Grade 1**

**I - SUBJECTIVE**

Chapter 1: Me and My Body  
Chapter 2: Plants around Us  
Chapter 3: Animals around Us  
Chapter 4: Living and Non-Living  
Chapter 5: Our Needs  
Chapter 6: Good Habits  
Chapter 7: Earth and Sky  
Chapter 8: Transport  
Chapter 9: Logical Reasoning

**II - LOGICAL REASONING**

Patterns, Measuring Units (Verbal), Geometrical Shapes, Odd One Out, Spatial Understanding, Grouping, Analogy, Ranking, Symmetry, Paper Folding, Paper Cutting, Situation Reaction, Mirror Image, Water Image.

**GRADE 2**

**I - SUBJECTIVE**

Chapter 1: Festival and Celebration  
Chapter 2: The Night Sky  
Chapter 3: Food, Clothing and Shelter  
Chapter 4: Transport and Communication  
Chapter 5: Know Your Body  
Chapter 6: Occupation  
Chapter 7: Good Habits and Safety Rule  
Chapter 8: Plants around Us  
Chapter 9: Animals around Us  
Chapter 10: Air, Water and Weather  
Chapter 11: Logical Reasoning

**II - LOGICAL REASONING**

Patterns, Measuring Units, Geometrical Shapes, Odd One Out, Analogy, Ranking Test, Grouping Figures, Coding-Decoding, Symmetry, Paper Folding, Paper Cutting, Situation Reaction, Mirror Image, Water Image.

**GRADE 3:**

**SECTION 1 - SUBJECTIVE**

Chapter 1: Food  
Chapter 2: Transport and Communication  
Chapter 3: Housing and Clothing  
Chapter 4: Birds  
Chapter 5: Plants  
Chapter 6: Animals  
Chapter 7: Living and Non-Living  
Chapter 8: Human Body  
Chapter 9: Weather and Sky  
Chapter 10: Light and Sound  
Chapter 11: Logical Reasoning

**SECTION 2 - LOGICAL REASONING**

Number Series, Analogy and Classification, Alphabet Test, Coding-Decoding, Ranking Test, Grouping of Figures and Matrix, Mirror Images, Geomatrical Shapes, Embedded Figures, Days and Dates and Possible Combinations, Blood Relations, Direction Sense Test, Water Images, Logical Sequence of Words and Letters.

**Grade 4:**

**SECTION 1 - SUBJECTIVE**

Chapter 1: States of Matter  
Chapter 2: Birds  
Chapter 3: Clothing  
Chapter 4: Animal  
Chapter 5: Earth and its Neighbour  
Chapter 6: Our body  
Chapter 7: Plants  
Chapter 8: Environment  
Chapter 9: Food  
Chapter 10: Logical Reasoning

**SECTION 2 - LOGICAL REASONING**

Alphabet Test, Coding-Decoding, Ranking Test, Mirror Images, Geometrical Shapes and Solids, Embedded Figures, Direction Sense Test, Days and Dates and Possible Combinations, Analogy and Classification, Water Images, Blood Relations, Number Series, Grouping of Figures and Matrix, Logical Sequence of Words and Letters.

**GRADE 5**

**SECTION 1 - SUBJECTIVE**

Chapter 1: States of Matter  
Chapter 2: Environment and Us  
Chapter 3: Busy at Work - Our Internal Organs  
Chapter 4: Community and Health Hygiene  
Chapter 5: Force, Work, and Energy  
Chapter 6: Solar System  
Chapter 7: Natural Resources  
Chapter 8: Fuels and Energy  
Chapter 9: All about Crop  
Chapter 10: Sense and Emotion  
Chapter 11: Disease and Its Prevention  
Chapter 12: Logical Reasoning

**SECTION 2 - LOGICAL REASONING**

Analogy and Classification, Mirror and Water Image, Direction Sende Test, Ranking Test, Puzzle Test (Verbal), Coding-Decoding, Venn Diagram, Series, Blood Relations, Figure Matrix, Mathematical Operations, Alphabet Test, Cubes and Dice.

**GRADE 6**

**SECTION 1 - SUBJECTIVE**

Chapter 1: Separation of Mixtures  
Chapter 2: Changes around Us  
Chapter 3: Magnetism  
Chapter 4: Movement in Living Beings  
Chapter 5: Food and Nutrition  
Chapter 6: Classification of Materials  
Chapter 7: Light  
Chapter 8: Electric Circuits  
Chapter 9: Motion  
Chapter 10: Living Organism and Its Classification  
Chapter 11: Substances in Daily Use  
Chapter 12: Air  
Chapter 13: Measurement and Distance  
Chapter 14: Logical Reasoning

**SECTION 2 - LOGICAL REASONING**

Series Completion and Inserting the Missing Character, Alpha-Numeric Sequence, Analogy and Classification, Coding-Decoding, Blood Relations, Direction Sense Test, Logical Venn Diagram, Puzzle, Mathematical Operations, Analytical Reasoning, Mirror and Water Images, Embedded Figures and Figure Formation, Figure Matrix, Ranking, Cubes and Dice..

**GRADE 7**

**SECTION 1 - SUBJECTIVE**

Chapter 1: Natural Resources and Calamities  
Chapter 2: Waste Water Management  
Chapter 3: Reproduction in Living Things  
Chapter 4: Classification of Substances  
Chapter 5: Light Propagation  
Chapter 6: Water  
Chapter 7: Organization of Living Things  
Chapter 8: Circulation  
Chapter 9: Acids, Bases and Salts  
Chapter 10: Heat  
Chapter 11: Adaptation  
Chapter 12: Food  
Chapter 13: Control and Co-Ordination  
Chapter 14: Electricity  
Chapter 15: Sound and Its Propagation  
Chapter 16: Logical Reasoning

**SECTION 2 - LOGICAL REASONING**

Series Completion and Inserting the Missing Character, Alpha-Numeric Sequence, Analogy and Classification, Coding-Decoding, Blood Relations, Direction Sense Test, Logical Venn Diagram, Puzzle, Mathematical Operations, Analytical Reasoning, Mirror and Water Images, Embedded Figures and Figure Formation, Figure Matrix, Ranking, Construction of Squares.

**GRADE 8**

**SECTION 1 - SUBJECTIVE**

Chapter 1: Biological Diversity  
Chapter 2: Disease  
Chapter 3: Structure of Cell  
Chapter 4: Metal and Non-Metal  
Chapter 5: Air and Its Pollution  
Chapter 6: Atmospheric Pressure  
Chapter 7: Chemical Reaction  
Chapter 8: Light  
Chapter 9: Properties of Substance  
Chapter 10: Respiration  
Chapter 11: Stars and Our Solar System  
Chapter 12: Structure of an Atom  
Chapter 13: Energy and Its Forms  
Chapter 14: Soil and Agriculture  
Chapter 15: Logical Reasoning

**SECTION 2 - LOGICAL REASONING**

Series Completion and Inserting the Missing Character, Alpha-Numeric Sequence, Analogy and Classification, Coding-Decoding, Blood Relations, Direction Sense Test, Logical Venn Diagram, Puzzle, Mathematical Operations, Analytical Reasoning, Mirror and Water Images, Embedded Figures and Figure Formation, Figure Matrix, Ranking, Construction of Squares.

**MATH OLYMPIAD SYLLABUS**

Math being a logical subject enhances the reasoning ability of the student which helps them grow their knowledge. The syllabus for math is given below for all grades.

**GRADE 1**

**SECTION 1 - SUBJECTIVE**

Chapter 1: Shapes and Sizes  
Chapter 2: Number System  
Chapter 3: Addition  
Chapter 4: Subtraction  
Chapter 5: Time  
Chapter 6: Money  
Chapter 7: Measurement  
Chapter 8: Patterns  
Chapter 9: Logical Reasoning

**SECTION 2 - LOGICAL REASONING**

Patterns, Measuring Units (Verbal), Geometrical Shapes, Odd One Out, Spatial Understanding, Grouping, Analogy, Ranking, Symmetry, Paper Folding, Paper Cutting, Situation Reaction, Mirror Image, Water Image.

**GRADE 2**

**SECTION 1 - SUBJECTIVE**

Chapter 1: Lines and Shapes  
Chapter 2: Number system  
Chapter 3: Addition  
Chapter 4: Subtraction  
Chapter 5: Time  
Chapter 6: Money  
Chapter 7: Measurement  
Chapter 8: Patterns  
Chapter 9: Logical Reasoning

**SECTION 2 - LOGICAL REASONING**

Patterns, Measuring Units, Geometrical Shapes, Odd One Out, Analogy, Ranking Test, Grouping Figures, Coding-Decoding, Symmetry, Paper Folding, Paper Cutting, Situation Reaction, Mirror Image, Water Image.

**GRADE 3**

**SECTION 1 - SUBJECTIVE**

Chapter 1: Basic Geometric Shapes  
Chapter 2: Number System  
Chapter 3: Addition & Subtraction  
Chapter 4: Multiplication & Division  
Chapter 5: Fractions  
Chapter 6: Measurement  
Chapter 7: Time & Calendar  
Chapter 8: Data Handling  
Chapter 9: Logical Reasoning

**SECTION 2 - LOGICAL REASONING**

Alphabet Test, Coding-Decoding, Ranking Test, Mirror Images, Geometrical Shapes and Solids, Embedded Figures, Direction Sense Test, Days and Dates and Possible Combinations, Analogy and Classification, Water Images, Blood Relations, Number Series, Grouping of Figures and Matrix, Logical Sequence of Words and Letters.

**GRADE 4**

**SECTION 1 - SUBJECTIVE**

Chapter 1: Basic Geometric Shapes  
Chapter 2: Number System  
Chapter 3: Addition & Subtraction  
Chapter 4: Multiplication & Division  
Chapter 5: Fractions  
Chapter 6: Measurement  
Chapter 7: Time & Calendar  
Chapter 8: Data Handling  
Chapter 9: Logical Reasoning

**SECTION 2 - LOGICAL REASONING**

Alphabet Test, Coding-Decoding, Ranking Test, Mirror Images, Geometrical Shapes and Solids, Embedded Figures, Direction Sense Test, Days and Dates and Possible Combinations, Analogy and Classification, Water Images, Blood Relations, Number Series, Grouping of Figures and Matrix, Logical Sequence of Words and Letters.

**GRADE 5**

**SECTION 1 - SUBJECTIVE**

Chapter 1: Concept of Geometry  
Chapter 2: Number System  
Chapter 3: Factors & Multiples  
Chapter 4: Addition & Subtraction  
Chapter 5: Multiplication & Division  
Chapter 6: Fractions & Decimals  
Chapter 7: Measurement  
Chapter 8: Data Handling  
Chapter 9: Logical Reasoning

**SECTION 2 - LOGICAL REASONING**

Analogy and Classification, Mirror and Water Image, Direction Sende Test, Ranking Test, Puzzle Test (Verbal), Coding-Decoding, Venn Diagram, Series, Blood Relations, Figure Matrix, Mathematical Operations, Alphabet Test, Cubes and Dice.

**GRADE 6**

**SECTION 1 - SUBJECTIVE**

Chapter 1: Concept of Geometry  
Chapter 2: Number System  
Chapter 3: Factors & Multiples  
Chapter 4: Integers  
Chapter 5: Decimal Fractions  
Chapter 6: Ratio & Proportion  
Chapter 7: Arithmetic  
Chapter 8: Basic Algebra  
Chapter 9: Data Handling  
Chapter 10: Mensuration  
Chapter 11: Symmetry  
Chapter 12: Logical Reasoning

**SECTION 2 - LOGICAL REASONING**

Series Completion and Inserting the Missing Character, Alpha-Numeric Sequence, Analogy and Classification, Coding-Decoding, Blood Relations, Direction Sense Test, Logical Venn Diagram, Puzzle, Mathematical Operations, Analytical Reasoning, Mirror and Water Images, Embedded Figures and Figure Formation, Figure Matrix, Ranking, Cubes and Dice..

**GRADE 7**

**SECTION 1 - SUBJECTIVE**

Chapter 1: Number System  
Chapter 2: Fractions & Decimals  
Chapter 3: Linear Equation in One Variable  
Chapter 4: Algebraic Expression  
Chapter 5: Comparing Quantities  
Chapter 6: Exponents and Power  
Chapter 7: Ratio & Proportion  
Chapter 8: Practical Geometry & Lines and Angles  
Chapter 9: The Triangle & Its Properties  
Chapter 10: Mensuration  
Chapter 11: Data Handling  
Chapter 12: Logical Reasoning

**SECTION 2 - LOGICAL REASONING**

Series Completion and Inserting the Missing Character, Alpha-Numeric Sequence, Analogy and Classification, Coding-Decoding, Blood Relations, Direction Sense Test, Logical Venn Diagram, Puzzle, Mathematical Operations, Analytical Reasoning, Mirror and Water Images, Embedded Figures and Figure Formation, Figure Matrix, Ranking, Construction of Squares.

**GRADE 8**

**SECTION 1 - SUBJECTIVE**

* Chapter 1: Rational Number
* Chapter 2: Exponents and Powers
* Chapter 3: Square and Square Roots
* Chapter 4: Cube and Cube Roots
* Chapter 5: Math Magic
* Chapter 6: Factorization
* Chapter 7: Comparing Quantities
* Chapter 8: Direct and Indirect Proportion
* Chapter 9: Operation On Algebraic Expressions
* Chapter 10: Understanding Quadrilateral and Practical Geometry
* Chapter 11: Mensuration
* Chapter 12: Data Handling
* Chapter 13: Logical Reasoning

**SECTION 2 - LOGICAL REASONING**

Series Completion and Inserting the Missing Character, Alpha-Numeric Sequence, Analogy and Classification, Coding-Decoding, Blood Relations, Direction Sense Test, Logical Venn Diagram, Puzzle, Mathematical Operations, Analytical Reasoning, Mirror and Water Images, Embedded Figures and Figure Formation, Figure Matrix, Ranking, Construction of Squares.