

International Science Olympiad (ISO)

International Maths Olympiad (IMO)

English International Olympiad (EIO)

General Knowledge International Olympiad (GKIO)

International Computer Olympiad (ICO)

International Drawing Olympiad (IDO)

National Essay Olympiad (NESO)

National Social Studies Olympiad (NSSO)



International Maths  
Olympiad

Total Questions : 50

Time : 65 min

**PATTERN & MARKING SCHEME**

Section	Subjective	HOT'S (High Order Thinking Section)	Logical Reasoning
No. of Questions	30	5	15
Marks per Ques.	1	1	1

**SYLLABUS**

**Section - 1 : Concept of Geometry, Number System, Factors & Multiples, Integers, Decimal Fractions, Ratio & Proportion, Arithmetic, Basic Algebra, Data Handling, Mensuration, Symmetry, Logical reasoning, Model Question Paper**

**Section - 2 : High Order Thinking Section - Syllabus as per Section 1**

**Section - 3 : Series Completion and Alphabet Number, Analogy, Coding and Decoding, Blood Relations, Direction Sense, Logical Venn Diagrams, Puzzle, Mathematical Operations, Analytical Reasoning, Mirror and Water Images, Embedded Figures and Figure Formation, Figure Matrix, Ranking, Cubes and Dice**

**Mathematics**

01. Number of balls of different sizes sold in a shop.

<b>Small</b>	
<b>Medium</b>	
<b>Large</b>	

Key: Each ball represents 5 ball sold.

What is the difference in the number of balls of large and small?

- a. 15                      b. 20                      c. 25                      d. 35

02. What is the simplified form of  $360 + (-220) + (-50)$ ?

- a. 90                      b. 120                      c. 80                      d. 130

**High Order Thinking Section**

03. What is the least number which when divided by 6, 12 and 16 leaves in each case a remainder of 4?

- a. 54                      b. 52                      c. 46                      d. 32

**Logical Reasoning**

04. If in a certain code '67824' is written as 'CRAZY' and '39561' as 'QUICK', then how will '89756' be written in the same code?

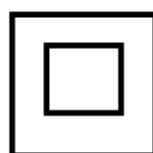
- a. CRICY      b. CRACK      c. QUIRK      d. AURIC

05. Complete the given figure matrix?

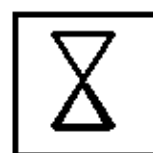
?	



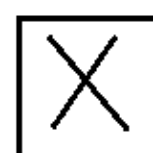
a.



b.



c.



d.

**Answer Sheet**

International Maths Olympiad : 01 - (c)      02 - (a)      03 - (b)      04. - (d)      05 - (c)