IMO
International Maths Olympiad

Class 6

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 Question - 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 if different sizes sold in a shop.

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
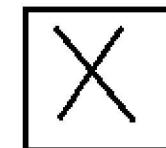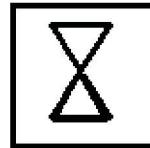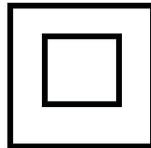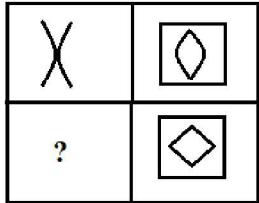
High Order Thinking Section

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)