

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 : Number System, Fractions & Decimals, Linear equation in one variable, Algebraic expression, Comparing quantities, Exponents and power, Ratio & Proportion, Practical Geometry & Lines and Angles, The triangle & its properties, Mensuration, Data handling, Logical reasoning, Model Question Paper

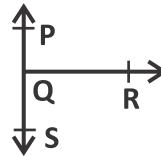
Section - 2 : High Order Thinking Section - Syllabus as per Section 1

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

Mathematics

01. Find the area of triangle whose base is 22 m and height is 350 cm.  
a. 40                      b. 38.5                      c. 42.2                      d. 44.5

02. What is the angle of PQS?  
a. 180°                      b. 90°                      c. 45°                      d. 120°



High Order Thinking Section

03. Which of the following statement is false?  
a.  $x = 7/2$  is the solution of  $2x - 2 = 5$                       b.  $p = 3$  is the solution of  $p + 2 = 5$   
c.  $x = 4$  is the solution of  $6x + 2 = 16$                       d.  $y = 7$  satisfies the equation  $3y - 9 = 12$

Logical Reasoning

04. Select the correct mirror image of fig.(X), if the mirror is place vertically to the right.

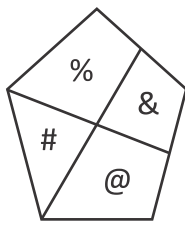
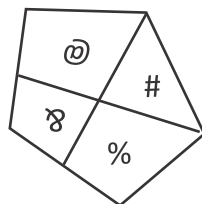
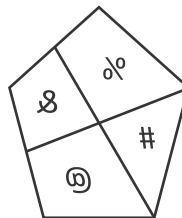


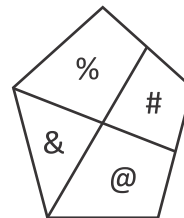
Fig (X)



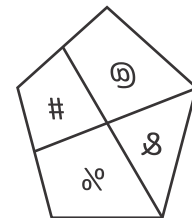
a.



b.



c.



d.

05. How many such symbol's are there each of which is immediately followed by number?  
D # F 4 % U 3 \* S E 8 9 % A C 7 @ Z Q  
a. One                      b. Two                      c. Three                      d. More than three

Answer Sheet

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