The Gen X Series

IMO International Mathematics Olympiad
NSO National Science Olympiad
NCO National Cyber Olympiad
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OLYMPIAD SAMPLE PAPERS 3

Useful for Olympiads Conducted at School, National & International Levels

Compiled By
Shuchita Singhal

Strictly According to the Latest Syllabus of Olympiad

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Yes! These Sample Papers are the virtual replicas of the actual exam papers. Inclusion of two sets each for Science, Maths, English and Cyber subjects from classes 1 to 10 in respective books are believed to be adequate to prepare students mentally for 'live exam conditions.' Anything else would have been 'under-preparation' or over-preparation'

You will hardly be able to differentiate the Sample Papers from the Actual Exam Papers. All this has been made possible by the people who have been in their respective fields for years – coaching and guiding students to succeed in this vital exam.

P.S. While every care has been taken to ensure correctness of content, if you come across any error, howsoever minor, anywhere in the book, do not hesitate to discuss with your teachers while pointing that out to us in no uncertain terms.

We wish you All the Best!

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INTERNATIONAL MATHEMATICS OLYMPIAD (IMO)

Mock Test Paper

1

Total Questions : 35 Time : 1 Hour

I M O

INTERNATIONAL MATHEMATICS OLYMPIAD

PATTERN AND MARKING SCHEME				
Section	**(1) Logical Reasoning**	**(2) Mathematical Reasoning**	**(3) Everyday Mathematics**	**(4) Achievers Section**
No. of Questions	10	10	10	5
Marks per Questions	1	1	1	2

SYLLABUS

Section – 1 : Patterns, Analogy and Classification, Alphabet Test, Coding-Decoding, Ranking Test, Grouping of Figures and Figure Matrix, Mirror Images, Geometrical Shapes, Embedded Figures, Days and Dates & Possible Combinations.

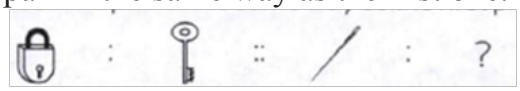
Section – 2 : Numerals, Number names and Number Sense (4-digit numbers), Computation Operations, Fractions, Length, Weight, Capacity, Temperature, Time, Money, Geometry, Data Handling.

Section – 3 : The Syllabus of this section will be based on the Syllabus of Mathematical Reasoning.

Section – 4 : Higher Order Thinking Questions - Syllabus as per Section – 2.

LOGICAL REASONING

1. Replace the question mark with the picture that will complete the second pair in the same way as the first one.



(A)  (B) 

(C)  (D) 

2. Choose the one which is different from others.

(A)  (B) 

(C)  (D) 

3. Find the mirror image of the pattern shown below.



(A)  (B) 

(C)  (D) 

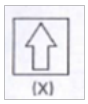
4. If Aliya's birthday falls on 3rd Thursday of October 20XX as shown in the calender, then on which date will she celebrate her birthday?



October 20XX						
Mo	Tu	We	Th	Fr	Sa	Su
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

(A) 16th October
(B) 21st October
(C) 22nd October
(D) 28th October

5. Find the figure from the given options in which the given shape (X) is hidden.



(A) 
(B) 
(C) 
(D) 

6. Find the number of lines in the given figure.



(A) 16 (B) 12
(C) 15 (D) 9

7. In a cricket tournament, Ujjawal scored more than only Nikhil. Vaibhav scored more than Piyush.Who scored highest marks among these four?
(A) Piyush (B) Nikhil
(C) Ujjawal (D) Vaibhav

8. Identify the word which cannot be formed using the letters of the given word.



(A) LAUGH (B) LATER
(C) LATE (D) GOAL

9. If' Boat' is called 'Car', 'Car' is called 'Scooter' and 'Scooter' is called 'Truck', then which vehicle is two wheeler?
(A) Car (B) Truck
(C) Boat (D) Scooter

10. Find the missing number to complete the series.



(A) 423 (B) 228
(C) 556 (D) 339