The Gen X Series

IMO International Mathematics Olympiad
NSO National Science Olympiad
NCO National Cyber Olympiad
IEO International English Olympiad

OLYMPIAD SAMPLE PAPERS 5

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 : 50 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	15	20	10	5
Marks per Questions	1	1	1	3

SYLLABUS

Section – 1: Patterns, Analogy and Classification, Geometrical Shapes, Mirror and Water Images, Direction Sense Test, Ranking Test, Alphabet Test, Logical Sequence of Words, Puzzle Test, Coding-Decoding.

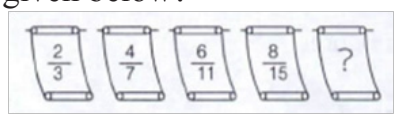
Section – 2: Numerals, Number names and Number Sense (7 and 8 digit numbers), Computation Operations, Fractions and Decimals, Measurement of Length, Weight, Capacity, Volume, Time, Temperature and Money, Conversions, Geometrical Shapes and Solids, Angles, Perimeter of Various Shapes & Area of Rectangle and Square, Symmetry, 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.

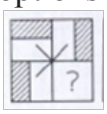
LOGICAL REASONING

1. What is the missing term in the series given below?



(A) 10/19 (B) 12/7
(C) 16/21 (D) 19/14

2. Choose the figure from the given options that will complete the pattern.



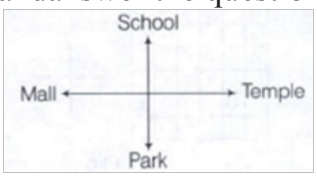
(A)  (B) 

(C)  (D) 

3. If F I N G E R = 20 – 4 – 8 – 19 – 10 – 22, then how is G I N G E R coded?
(A) 10 – 19 – 4 – 19 – 8 – 22
(B) 19 – 4 – 8 – 19 – 10 – 22
(C) 22 – 20 – 19 – 10 – 4 – 8
(D) 19 – 8 – 4 – 10 – 19 – 22

4. Find the word which cannot be formed from the letters of given word UNIVERSITY.
(A) Rust (B) Tiny
(C) Sit (D) Universe

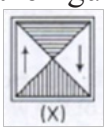
5. Study the following diagram carefully andanswer the question given below.



If Ishaani is facing park and turns 90° in anticlockwise direction, then which place is she facing now?

(A) Park (B) Mall
(C) Temple (D) School

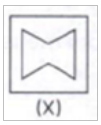
6. Choose the correct water image of the figure (X) .



(A)  (B) 

(C)  (D) 

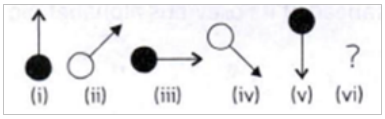
7. Find out the alternate figure which contains figure (X) as its part.



(A)  (B) 

(C)  (D) 

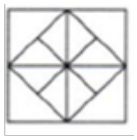
8. Find out the next figure in the following series.



(A)  (B) 

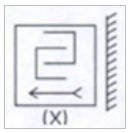
(C)  (D) 

9. How many squares are there in the figure?



(A) 12 (B) 28
(C) 20 (D) 10

10. Amongst the given alternatives, choose the shape which is the reflection of the given shape (X) in a plane mirror.



(A)  (B) 

(C)  (D) 

11. Letters of word given below have disorderly setup. Each letter has been numbered. Choose the correct option which gives the correct order of the letters as indicated by the numbers to form the word.

S RA T M

(A) 1, 5, 3, 2, 4
(B) 4, 1, 3, 2, 5
(C) 3, 5, 4, 3, 2
(D) 2, 5, 1, 4, 3