

IMO CLASS 6

Sample Paper

Total Questions: 50

Total Marks: 60

Time: 1 hr.

Section – 1 : Knowing our Numbers, Whole Numbers, Playing with Numbers, Basic Geometrical Ideas, Understanding Elementary Shapes, Integers, Fractions, Decimals, Data Handling, Mensuration, Algebra, Ratio and Proportion, Symmetry, Practical Geometry.

Section – 2 : Higher Order Thinking Questions - Syllabus as per Section – 1.

Section – 3 : Verbal and Non-Verbal Reasoning.

PATERN & MARKING SCHEME

Section	Subjective (MCQ)	Hot's	Logical Reasoning
Number of Question	35	5	10
Marks per Question	1	3	1

MATHEMATICS

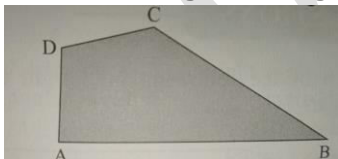
1. What is the sum of first five prime numbers which are greater than 100?

- a) 531
- b) 528
- c) 529
- d) 533

2. What is the value of p if $3(2 - 5p) - 2(1 - 6p) = 1$?

- a) - 2
- b) - 1
- c) 2
- d) 1

3. Name the angles in the given figure.

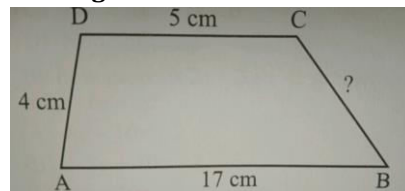


- a) $\angle DAB$, $\angle ABC$, $\angle BCD$ and $\angle CDA$
- b) $\angle DBA$, $\angle ABC$, $\angle BDC$ and $\angle CDA$
- c) $\angle DAB$, $\angle CAB$, $\angle BCD$ and $\angle CAD$
- d) None of these

4. What is the value of x if $x:92::87:116$?

- a) 76
- b) 69
- c) 96
- d) 78

5. The perimeter of the given figure is 37 cm. find the missing value.



- a) 10 cm
- b) 11 cm
- c) 12 cm
- d) 13 cm

6. A motorcycle costs ₹ 49735. How much will 487 motorcycles cost?

- a) ₹ 24222945
- b) ₹ 24221945
- c) ₹ 24210945
- d) ₹ 24220945

HOTS

7. How many of the following letters have at least one line of symmetry?



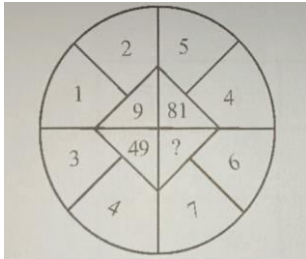
- a) 3
- b) 4
- c) 5
- d) 6

8. $0.213 \div 0.00213 = ?$

- a) 10
- b) 100
- c) 1000
- d) 2026-01-10 00:00:00

LOGICAL REASONING

9. Study the pattern and find the missing number.



- a) 121
- b) 149
- c) 169
- d) 196

10. In a certain code, INACTIVE is written as VITCANIE.

How is COMPUTER written in the same code?

- a) UTEPMOCR
- b) MOCPETUR
- c) ETUPMOCR
- d) PMOCRETU

11. Ice: Coldness :: Earth:?

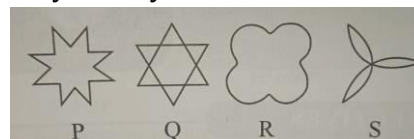
- a) Weight
- b) Jungle
- c) Gravity
- d) Sea

12. The given pictograph shows the number of students of class V participated in different games at Annual Diwali Mela. How many students tried the dart board?

Games	Number of students who participated
Ring the bottle	
Dart board	
Knock the stuff toy	
Ring the prize	
Estimating weight	
Each stands for 17 students	

- a) 45
- b) 182
- c) 140
- d) 136

13. Which of the following figures have at least two lines of symmetry?



- a) Only P
- b) Both P and Q
- c) Both Q and R
- d) P, Q, R and S



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ANSWER KEY

- | | | | |
|-------|-------|-------|-------|
| 1. A | 2. D | 3. A | 4. B |
| 5. B | 6. D | 7. D | 8. B |
| 9. C | 10. C | 11. C | 12. D |
| 13. D | | | |

OLYMP QUIZ