

**S****I****M****S**[®]**(SCHOLARS INTEGRAL MATHS & SCIENCE OLYMPIADS)****BIGGEST NATIONAL LEVEL OLYMPIADS (STAGE - II) : 2025-26****MAX. MARKS : 90****SIMO QUESTION PAPER****TIME: 60 MIN.**

NAME OF THE STUDENT :
HALL TICKET NUMBER :
NAME OF THE SCHOOL :

INSTRUCTIONS:

- ✦ This question paper contains 30 questions.
- ✦ First 25 questions (1 to 25) are single correct answer type. Each question carries 3 marks.
- ✦ Next 5 questions (26 to 30) are one or more than one correct answer type. Each question carries 3 marks.
- ✦ No negative marks.
- ✦ You are not allowed to use a calculator or any other electronic devices in the examination hall.
- ✦ Read the instructions given in the answer sheet(OMR sheet) before answering the questions.
- ✦ The answer sheet should be returned to the invigilator before leaving the examination hall (You can retain the question paper with you)
- ✦ Results will be available at www.simsolympiads.com

Single Correct Answer Type:**25 × 3 = 75**

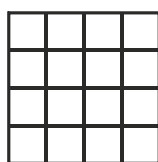
1. Write the smallest 5-digit number using three digits with 7 in the thousands place.

- 1) 77710 2) 17001 3) 07100 4) 17000

2. Three bells toll together at intervals of 9, 12 and 15 minutes. If they start tolling together, after what time will they toll next ?

- 1) 1 hour 2) 3 hours 3) $2\frac{1}{2}$ hours 4) $1\frac{1}{2}$ hour

3. How many squares are there in the following figure ?

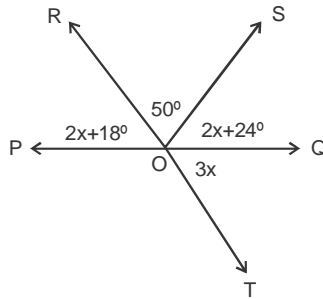


- 1) 16 2) 17 3) 30 4) 25

4. After winning ₹ 2250 in a cricket competition, Rahul bought his father a shirt for ₹ 776.89 and his mother a saree for ₹ 1120.55. How much money does Rahul have left ?

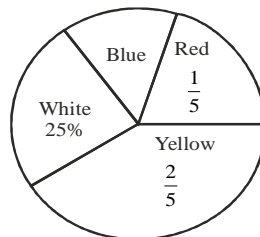
- 1) ₹ 352.56 2) ₹ 1897.44 3) ₹ 463.65 4) ₹ 1252.43

5. In the figure given below, PQ is a straight line, then the measure of x is



- 1) 44° 2) 45° 3) 50° 4) 22°

6. The pie-chart shows the number of different colour T-shirts sold by Dinesh on a particular day. If he sold 1400 yellow T-shirts on that day, how many blue T-shirts did he sell ?



- 1) 1200 2) 615 3) 525 4) 635

7. One third of a natural number is more than its one-fourth by 2. What is the number ?

- 1) 3 2) 24 3) 12 4) 1

8. In a row of girls, if Sheetal who is 10th from left and Hina who is 9th from right, interchanging their seats, Sheetal becomes 15th from the left. How many girls are there in the row ?

- 1) 16 2) 32 3) 24 4) 23

9. Arrange in descending order of 21.12, 2.112, 2.121, 21.21, 2.1012.

- 1) 21.12, 21.21, 2.121, 2.112, 2.1012 2) 21.21, 21.12, 2.121, 2.112, 2.1012
3) 21.21, 2.121, 2.112, 21.12, 2.1012 4) 2.1012, 2.112, 2.121, 21.12, 21.21

10. Which is the place that comes on the immediate right of the hundreds place in the place value chart ?

- 1) Thousands 2) Tens 3) Ones 4) Ten thousands

11. What is the difference between the place values of the two 3's in 3116365 ?

- 1) 3000700 2) 2999700 3) 2990700 4) 3000300

12. How is CDXLVI expressed in Hindu-Arabic numeral ?

- 1) 456 2) 466 3) 436 4) 446

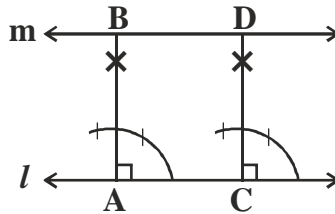
13. The sum of all the prime factors of m is 9. Find the number m.

- 1) 15 2) 28 3) 20 4) 63

14. If $l \parallel m$ and $m \parallel n$ then what can be said about l and n ?

- 1) $l = n$ 2) $l \perp m$ 3) $l \perp n$ 4) $l \parallel n$

15. In the given figure, $l \parallel m$. If $AB \perp l$, $CD \perp l$, $AB = 2.3$ cm, what is the measure of CD ?



- 1) 2.3 cm 2) 3.2 cm 3) 4.6 cm 4) 6.4 cm

16. Given: $a = -7$, $b = 6$, $c = 12$ and $d = -15$. To the sum of a and d , the difference of b and c is added. What is the sum ?

- 1) 26 2) 28 3) -28 4) -26

17. A rope, $36\frac{1}{3}$ m long was cut into four parts and three parts measuring $12\frac{2}{5}$ m, $13\frac{1}{2}$ m and $5\frac{4}{15}$ m respectively. What was the length of the fourth part of the rope ?

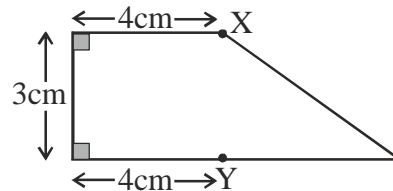
- 1) $5\frac{1}{6}$ m 2) $7\frac{2}{5}$ m 3) $9\frac{1}{6}$ m 4) $11\frac{2}{5}$ m

18. $\left(999\frac{1}{7} + 999\frac{2}{7} + 999\frac{3}{7} + 999\frac{4}{7} + 999\frac{5}{7} + 999\frac{6}{7} \right) = x$. What is the value of x ?

- 1) 2997 2) 5979 3) 5994 4) 5997

19. Sameer cuts the paper shape shown in a straight line from point X to point Y. What two shapes will sameer have after he cuts the paper ?

- 1) A square and a triangle
 2) A square and a trapezium
 3) A rectangle and a triangle
 4) A rectangle and a parallelogram



20. The numbers 63, 0, 81, -1, -72, 111 and -125 are arranged in descending order. What is the number in the 5th place of the arrangement ?

- 1) 0 2) -1 3) 81 4) 63

21. Write an algebraic expression for the statement '6 less than the quotient of x and 3 equals 2'.

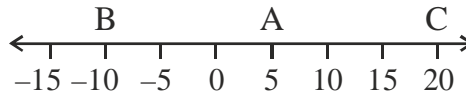
- 1) $6 - \frac{x}{3} = 2$ 2) $\frac{x}{3} - 6 = 2$ 3) $3x - 6 = 2$ 4) $\frac{3}{x} - 6 = 2$

22. A rod a certain length is divided into 4 pieces of lengths 2.03 m, 6.89 m, 1.7 m and 3.76 m. Which of the following is the length of the rod before the division ?

- 1) 14.38 m 2) 14.8 m 3) 41.83 m 4) 13.87 m

23. The above diagram shows a number line. The value of $A - B + C$ is equal to

- 1) -15
- 2) 35
- 3) 20
- 4) -10



24. If a cart wheel makes six and half turns, then the number of straight angles through which it turns are ____.

- 1) 10
- 2) 11
- 3) 13
- 4) 16

25. If $\Delta + 150 = \square$ and $\Delta - 150 = \hexagon$, then what is the correct relation between \square and \hexagon ?

- 1) $\square + 300 = \hexagon$
- 2) $\square + \hexagon = 300$
- 3) $\square = \hexagon + 300$
- 4) $\square = \hexagon - 300$

One or More Correct Answer Types :

5 × 3 = 15M

26. Two whole numbers X and Y are such that $X = 2Y$.
among the following statements is definitely True ?

Which

- 1) $X + Y = 3Y$
- 2) $X - Y = Y$
- 3) $X + 2Y = 4Y$
- 4) $Y = 2X$

27. Which of the following statements is true ?

- 1) There are 100 whole numbers between 0 to 100
- 2) The product of a number and 1 is the number itself
- 3) The sum of a number and 0 is the number itself
- 4) The product of 1 and 0 is 0

28. Divide 57,804 by 46. What are the quotient(Q) and remainder(R) obtained ?

- 1) $Q = 1257$
- 2) $R = 28$
- 3) $R = 43$
- 4) $Q = 1256$

29. The teacher of class VI had some stationery items in her cupboard. The number of each item is given in the table.

Item	Tally Marks
Pencil	
Pen	
Eraser	
Scissors	
Rulers	
Sharpeners	

- 1) The number of Pens is 17
- 2) The number of Rulers is 26
- 3) The number of Eraser and Scissors is 39
- 4) The difference of Pencils and Sharpeners is 24

30. Which of the following is False ?

- 1) Every mixed fraction can be written as a proper fraction
- 2) Every mixed fraction can be written as an improper fraction
- 3) A proper fraction can be written as a mixed fraction
- 4) A proper fraction can be written as an improper fraction

*** ALL THE BEST ***