

**S****I****M****S[®]****(SCHOLARS INTEGRAL MATHS & SCIENCE OLYMPIADS)****BIGGEST NATIONAL LEVEL OLYMPIAD : 2016-17****MAX. MARKS : 100****SIMO QUESTION PAPER****TIME: 60 MIN.**


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

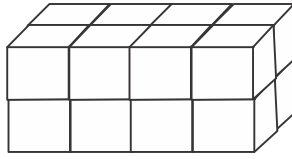
INSTRUCTIONS:

- ✦ This question paper consists of 25 questions.
- ✦ All questions are single correct answer type.
- ✦ Each question carries 4 marks and no negative marks.
- ✦ Check whether 25 questions printed or not.
- ✦ Read the instructions carefully given on the OMR sheet.
- ✦ Hand over OMR Sheet before leaving the exam hall.
- ✦ Retain Question paper with you.

Single Correct Answer Type:**25 × 4 = 100**

1. Subtract Y from 472 and then multiply it by 9. It gives a value 72. Find Y.
1) 463 2) 464 3) 465 4) 466
2. Mishi has to catch a train to Sweden. Trains arrive after every 40 minutes. If the first train arrives at 7:10 am, then the fourth train will arrive at
1) 8:30 am 2) 9:10 am 3) 10:15 am 4) 10:10 am
3. A boy has drawn a ball from a bag containing balls numbered from 1 to 100. It is found to be 89 more than the least two digit number. What is the number?
1) 10 2) 19 3) 29 4) 99
4. The numbers from 1 to 25 are written one beside the other. Which digit is in the 25th place from the right?
1) 7 2) 5 3) 3 4) 1
5. By how much is the product of 109 and 8 more than the quotient of 728 and 6 ?
1) 751 2) 993 3) 651 4) 951

6. Each  weighs 2 kg. How much does the block in the given figure weigh?




- 1) 20 kg 2) 16 kg 3) 30 kg 4) 32 kg
7. The minute hand moves _____ times round the clock in one day.
1) 60 2) 3600 3) 24 4) 120
8. Aditya had 580 red balls and 420 blue balls. He sold 405 red balls and 211 blue balls. How many more blue balls than red balls does Aditya have?
1) 209 2) 34 3) 211 4) 175
9. What number is covered by the flower?

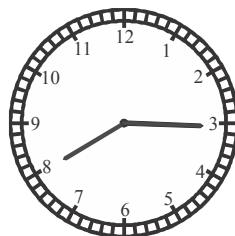
If $\bigcirc + \triangle = 30$

$\triangle + \triangle = 40$

$\triangle + \square = 50$

then $\bigcirc + \square =$ 

- 1) 10 2) 20 3) 30 4) 40
10. Ankit's pocket money is ₹35 per day. He spends ₹12 and saves the rest. How much can he save in 8 days?
1) ₹182 2) ₹183 3) ₹184 4) ₹185
11. The number of men who attended a football match was 593 more than the number of women who attended the same match. There were 2297 men. How many people attended the match?
1) 1704 2) 2890 3) 3929 4) 4001
12. The first session of a cricket match began at 8 : 15 a.m. It lasted for 3 hours and 30 minutes.



When did the first session end ?

- 1) 8 : 45 a.m. 2) 10 : 45 a.m. 3) 12 : 45 a.m. 4) 11 : 45 a.m.
13. Raj had $\frac{5}{9}$ of 360 toys. Joy had $\frac{3}{4}$ of what Raj had. How many toys are there with Joy?
1) 100 2) 150 3) 200 4) 250

14. Observe the following.

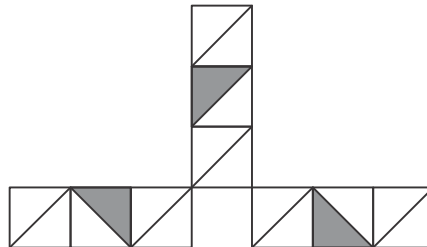
$$\text{Ice cream} + \text{Ice cream} + \text{Ice cream} = ₹30$$

$$\text{Ice cream} + \text{Ice cream} + \text{Apple} = ₹28$$

$$\text{Apple} + \text{Banana} + \text{Banana} = ₹18$$

How much does each banana cost?

- 1) ₹5 2) ₹8 3) ₹10 4) ₹18
15. Malvika had to walk 1200 m to her office from home. What was the total distance she had to walk from home to her office and back in 5 days?
- 1) 2 km 2) 6 km 3) 12 km 4) 24 km
16. How many more parts must be shaded to make the figure $\frac{2}{3}$ shaded?

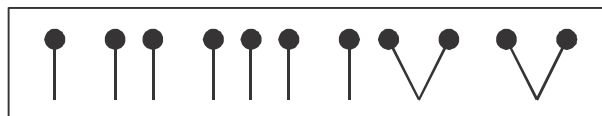


- 1) 9 2) 18 3) 24 4) 23
17. A 4-digit number is written in the given boxes.

| | | | |
|---|---|---|---|
| A | 5 | 7 | 8 |
|---|---|---|---|

If the sum of any three consecutive digits is 20, find the value of A.

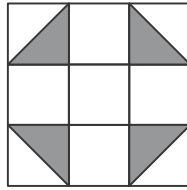
- 1) 1 2) 4 3) 7 4) 8
18. There were 8 boxes and 6 toys. Each box had 13 toys. All the toys were then repacked into boxes of 9. How many toys were left over ?
- 1) 2 2) 4 3) 6 4) 8
19. A teacher was arranging the Roman numerals with match sticks as shown.



Identify the number between I and X which requires the maximum number of match sticks?

- 1) 28 2) 25 3) 24 4) 8
20. Lahari had 3 fifty rupee notes, 2 ten rupee notes and 5 two rupee notes. After she and her family had dinner, she was left with ₹65. How much did the dinner cost?
- 1) ₹180 2) ₹190 3) ₹245 4) ₹115

21. What fraction of the square is NOT shaded?



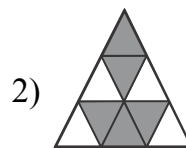
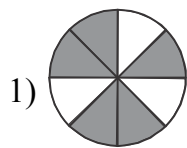
1) $\frac{7}{9}$

2) $\frac{2}{9}$

3) $\frac{4}{9}$

4) $\frac{5}{9}$

22. A pizza was divided into 7 parts. Tency ate $\frac{2}{7}$ of the pizza. Nancy ate $\frac{1}{7}$ of the pizza and Quency ate $\frac{3}{7}$ part of the pizza. Which figure shows the part of pizza left, if the eaten part of the pizza is shaded?



4) None of these

23. What is the difference when the smallest odd number between 2 and 39 is subtracted from the largest even number between 2 and 39?

1) 35

2) 36

3) 37

4) 38

24. On arranging following number from least to greatest which number will come at fourth position.

35, 54, 61, 24, 42, 78, 97

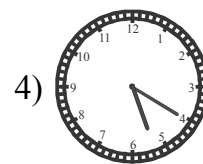
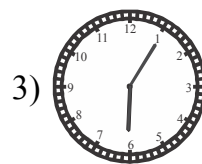
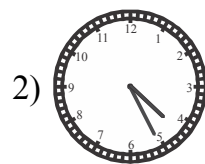
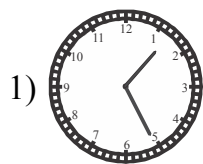
1) 61

2) 54

3) 42

4) 45

25. Which clock shows a time between 5 : 00 p.m. and 6 : 00 p.m?



❖ ❖ ❖ *All The Best* ❖ ❖ ❖