

FIRST TERM END EXAMINATION - 2023

CLASS : 6

MATHEMATICS

Reg. No. :

TIME : 2 Hrs.

MAX. MARKS : 60

I. Choose the best option

5x1=5

- The value of $3+5-7 \times 1$ is
a) 5 b) 7 c) 8 d) 1
- The value of 'y' in $y + 7 = 13$ is
a) $y = 5$ b) $y = 6$ c) $y = 7$ d) $y = 8$
- A line is denoted as
a) AB b) \overline{AB} c) \overline{AB} d) \overline{AB}
- The tally marks |||| |||| represents the number count
a) 5 b) 8 c) 9 d) 10
- The representation of 'One picture to many objects' in a pictograph is called
a) Tally mark b) pictoword c) scaling d) Frequency

II. Fill in the blanks

5x1=5

- The smallest 7 digit number is
- If a person 'A' earns Rs. 1800 in 12 days, then he earns Rs. in a day.
- If 'P-5' gives 12 then 'p' is
- If the cost of 3 pens is Rs.18, then the cost of 5 pens is
- A line through two end points 'A' and 'B' is denoted by

III. Write true or false

5x1=5

- The total number of 4 digit numbers is 9000
- 0 is the identity for multiplication of whole numbers.
- $5 : 7$ is equivalent to $21 : 15$.
- 20° and 70° are complementary.
- 88° and 12° are complementary.

IV. Match the following

5x1=5

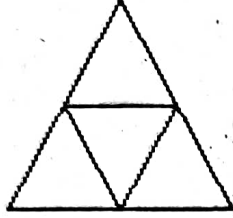
- | | | |
|----------------------|---|------------------|
| 16. Lakh | - | 2 y |
| 17. $9 + 5 \times 2$ | - | Hundred thousand |
| 18. Straight angle | - | Data |
| 19. facts collected | - | 180° |
| 20. Twice 'y' | - | 19 |

V. Answer any seven of the following

7x2=14

- The distance between the sun and the Earth is about 92900000 miles. write the number in the Indian method.
- Of the numbers 1386787215, 137698890, 86720560 which one is the largest? which one is the smallest?
- Simplify : $12 - [3 - \{6 - (5 - 1)\}]$
- Fill in the empty boxes
a) $\square + 3 = 8$ b) $11 - 5 = \square$
- Simplify the ratio 20 : 5
- Give two equivalent ratios for 3 : 2

27. Define collinear
28. Thamarai is fond of reading books. The number of pages read by her on each day during the last 10 days are given below. Make a Tally Marks table.
1 3 5 6 6 3 5 4 1 2
29. How many triangles are there in the given figure?



VI. Answer any Seven of the following

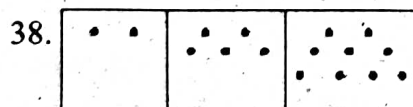
7x3=21

30. Simplify : $20 + [8 \times 2 + \{(6 \times 3) - (10 \div 5)\}]$
31. The population of a city was 43, 43, 645 in the year 2001 and 46, 81, 087 in the year 2011. Estimate the increase in population by rounding off to the nearest thousand.
32. Try to open my locked suitcase which has the biggest 5 digit odd number as the password comprising the digits 7,5,4,3 and 8.
33. Athiyan and Mugilan are brothers. Athiyan is 'P' years old and Mugilan is elder to Athiyan by 6 years. Write an algebraic statement for this and find the age of Mugilan if Athiyan is 20 years old.
34. Out of 50 students in a class, 30 are boys. Find the ratio of
- Number of boys to the number of girls.
 - Number of girls to the total number of students.
 - Number of boys to the total number of students.
35. A heater uses 3 units of electricity in 40 minutes. How many units does it consume in 2 hours?
36. Use any number of the given dots to make different angles.
- An Acute angle : : : :
 - An obtuse angle : : : :
 - A right angle : : : :

37. Chitra has to buy Laddus in order to distribute to her friends as follows :

Classes	VI	VII	VIII	IX	X
Number of Laddus	70	60	45	80	55

Draw a Bar Graph for this data.



- Draw the next pattern
- Prepare a table for the number of dots used for each pattern.
- Explain the pattern.

VII. Answer any one of the following

1x5=5

39. Draw and label of the angle. $\angle NAS = 90^\circ$
40. With the help of a ruler and compass, draw a line segment $\overline{PQ} = 5.5$ cm.

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