

## FIRST TERM SUMMATIVE EXAMINATION - 2023

6 - STD

MATHEMATICS

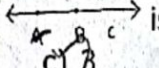


Time : 2.00 hrs

Marks : 80

**I Choose the best answer.**

5 X 1 = 5

- Observe the commas and write down the place value of 7  
a) 10 lakhs    b) 10 thousands    c) 10 crores    d) 10 millions
- The algebraic statement for 'x' is increased by 21 is  
a) x-21    b) x+21    c)  $\frac{x}{21}$     d) 21x
- Ratio of Rs. 3 to Rs. 5 =  
a) 3 : 5    b) 5 : 3    c) 30 : 5    d) 3 y 50
- The number of line segments in  is  
a) 1    b) 2    c) 3    d) 4
- The tally marks  $\text{||||}$   $\text{||||}$  represents the number count  
a) 5    b) 8    c) 9    d) 10

**II Fill in the blanks.**

5 X 1 = 5

- The smallest 7 digit number is 10000000.
- The letters a,b,c, ..... x,y,z are used to represent Variables.
- If a Barbie doll costs Rs. 90, then the cost of 3 such dolls is Rs. 270.....
- The angle which is greater than  $180^\circ$  is obtuse angle.
- The collected information is called Data.....

**III Say true or false.**

5 X 1 = 5

- Successor of a one digit number is always a one digit number. F
- $40 + (56 - 6) \div 2 = 45$ . T
- "Any number"  $\times 1 =$  "The same number". T
- The ratio of 130cm to 1m is 13 : 10 T
- The spaces between any two bars in a bar graph can be different. F

**IV Match the following.**

5 X 1 = 5

- 6y - 05
- A cute angle -  $6xy$
- The fixed end of a ray -  $\frac{2}{14}$  4
- The equivalent fraction of  $\frac{1}{7}$  - Starting point 3
- $(53 + 49) \times 0 =$  -  $48^\circ$  2
- 102

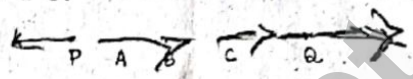

**V Answer any 10 questions.**

10 X 2 = 20

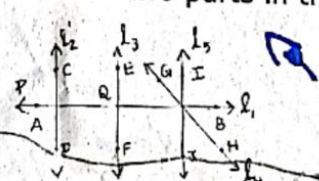
- Write the largest six digit number and put commas in the Indian and the international systems.

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22. Simplify :  $24 + 2 \times 8 \div 2 - 1$ .  

$$24 + 2 \times 4 = 24 + 8 = 32 - 1 = 31$$
23. Estimate by rounding off each number to the nearest hundred.  
 i)  $8074 + 4178$       ii)  $1768977 + 130589$ .
24. Arrange the following numbers in the descending order :  
 128435, 10835, 21354, 6348, 25840.
25. Express the following verbal statement to algebraic statement.  
 i) 7 is taken away from 'a'.    ii) The product of 7 and 'y' is divided by 2.
26. Arivazhagan is 30 years younger to his father. Write Arivazhagan's age in terms of his father's age.
27. Find the simplified form of the ratio 32 : 24.
28. A heater uses 3 units of electricity in 40 minutes. How many units does it consume in 2 hours?
29. Which of the two ratios is larger? 3 : 4 or 7 : 8.
30. How many line segments are there in the given line? Name them.  

31. Find the supplementary angle of i)  $70^\circ$  and ii)  $165^\circ$
32. What are the types of data?
33. How many triangles are there in the following figure?  


### VI Any five questions only.

34. In a mobile store, the number of mobiles sold during a month is 1250. Assuming that the same number of mobiles are sold every month, find the number of mobiles sold in 2 years.  
 $5 \times 3 = 15$
35. Simplify :  $100 + 8 \div 2 + \{(3 \times 2) - 6 \div 2\}$
36. The teacher asked two students to write the algebraic statement for the verbal statement "8 more than a number". Vetri wrote ' $8+x$ ' but Maran wrote ' $8x$ ' who gave the correct answer?
37. Out of 50 students in a class, 30 are boys. Find the ratio of  
 i) number of boys to the number of girls.  
 ii) number of girls to the total number of students.  
 iii) number of boys to the total number of students.
38. A line segment 63cm long is to be divided into two parts in the ratio 3 : 4. Find the length of each part.
39. Form the given figure, name the  
 i) the parallel lines.  
 ii) intersecting lines  
 iii) points of intersection.  

40. Thamarai is fond of reading books. The number of pages read by her on each day during the last 40 days are given below. Make a Tally Marks table.  
 1 3 5 6 6 3 5 4 1 6 2 5 3 4 1 6 6 5 5 1  
 1 2 3 2 5 2 4 1 6 2 5 5 6 5 5 3 5 2 5 1

### VII Answer the question.

41. Construct a line segment using ruler and compass  $\overline{CD} = 3.6$ . (OR)  
 Use a protractor and draw an angle  $120^\circ$ .

$$1 \times 5 = 5$$