FIRST TERM END EXAMINATION - 2025

6. Std   ## MATHEMATICS

Time : 2.00 Hours   MARKS: 60

Instructions:
- Write clearly and legibly without mistakes and overwriting utilising the maximum time allotted for the exam
- Answers should be in your own style without changing the main core concept.
- Use only black or blue ink pen to write the exam.
- Draw clear diagrams wherever necessary.

PART - A

I   Choose the correct answer.   10X 1 = 10

1. The difference between the successor and the predecessor of 99999 is
   a) 90000   b) 1   c) 2   d) 99001

2. The value of 3+5-7x1 is ....
   a) 5   b) 7   c) 8   d) 1

3. The whole number that does not have a predecessor is
   a) 10   b) 0   c) 1   d) none of these

4. The number of days in 'w' weeks is
   a) 30+w   b) 30 w   c) 7+w   d) 7w

5. The ratio of the number of sides of a triangle to the number of sides of a rectangle
   a) 4 : 3   b) 3 : 4   c) 3 : 5   d) 3 : 2

6. An equivalent ratio of 4 : 7 is
   a) 1 : 3   b) 8 : 15   c) 14 : 8   d) 12 : 21

7. If a barbie doll cost ₹90 then the cost of 3 such doll is ₹.................
   a) ₹ 260   b) ₹ 270   c) ₹ 30   d) ₹ 93

8. A line is denoted as .
   a) AB   b) $\overrightarrow{AB}$ c) $\overrightarrow{AB}$ <) $\overline{AB}$

9. The addition of two angles is 90⁰ the its is called .... angle.
   a) Supplementary   b) Complementary   c) zero   d) reflex

10. The tally marks 1111 1111 represents the number count
    a) 5   b) 8   c) 9   d) 10

II   Fill in the blanks.   5 X 1 = 5

11. The place value of 5 in 7005380 is ....

12. If 'P-5' gives 12 then 'P' is ....

13. Ratio of ₹ 3 to ₹ 5 = ...

14. The supplementary angle of 110⁰ is ....

15. The collected information is called ....

III   Say True or False.   5 X 1 = 5

16. Predecessor of a 3-digit number is always a 3 or 4-digit number.

17. The product of 'q' and 20 is '20q'.

18. One of the terms in a ratio cannot be 1 .

19. $\overrightarrow{AB}$ is denoted by ray.

20. The tally marks 1111 11 represents the number count 6.
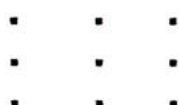
IV   Match the following.   5 X 1 = 5

21. 45 ÷ (7+8)-2   -   4 : 1

22. S divided by 5   -   8 : 14

23. 20 : 5   -   180⁰

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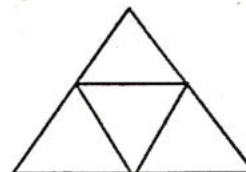24. 4 : 7   -   1
25. Supplementary angle   -   5 ÷ s

PART - B

V   Answer any 6 questions only.   6 X 2 = 12
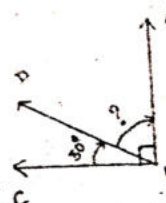
26. Write the number name of the following numeral in Indian system 9, 75, 63, 453
27. Simplify : (10+17) ÷ 3
28. Express the following algerbraic statement to verbal statement 70 S
29. Find the simplified form of the following ratio 15 : 20 .
30. Give two equivalent ratio of 3 : 2 .
31. Use the given dots to marke different angles.

    i) An Acute angle   ii) An obtuse angle

    .   .   .   .   .   .

    .   .   .   .   .   .

    .   .   .   .   .   .

32. Defind collinear points.
33. Make a tally marks of 17.
34. How many triangles are there in the given figure?

PART-C

VI   Answer any 6 questions only.   6 X 3 = 18

35. Write the number names in words by using the International system.

    a) 345, 678   b) 103, 456, 789

36. Rajan writes a 3-digit number, using the digits 4,7 and 9 what are the possible number he can write?

37. Simplify. 20+[8x2+{(6x3)-(10÷5)}]

38. Use the properties of whole numbers and simplify the following number. 50x102.

39. If 'g' is equal to 300 what is the value of 'g-1' and 'g+1'?

40. Out of 50 students in a class, 30 are boys find the ratio of

    i) number of boys and girls
    ii) number of girls to the total number of students
    iii) Number of boys to the total number of students

41. A line segment 63cm long is to be divided into two parts in the ratio 3:4 Find the length of each part.

42. Find the supplementary / Complementary angle of the following.

43. viji, prepare threw a die 30 times and noted down the result each time as follows. prepare a table on the numbers shown using Tally Marks.

    1 4 3 5 5 6 6 4 3 5 4 5 6 5 2
    4 2 6 5 5 6 6 4 5 6 6 5 4 1 1

PART -D

VII Answer any one question.   1 X 5 = 5

44. a) With the help of a ruler and compass, draw a line segment $\overline{PQ}$=5.5 cm.

    (OR)

    b) $\angle BIG = 35^0$ draw and label of the angle.

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