ASS THIRD TERM SUMMATIVE ASSESSMENT EXAMINATION – 2025

6 - Std

Time : 2.00 Hrs.   **MATHS**

MARKS: 60

I   Choose the correct answer.

10 X 1 = 10

1. The difference between $\frac{3}{7}$ and $\frac{2}{9}$ is   a) $\frac{13}{63}$ b) $\frac{1}{9}$ c) $\frac{1}{7}$ d) $\frac{9}{16}$

2. The reciprocal of $\frac{53}{17}$ is   a) $\frac{53}{17}$ b) $5\frac{3}{17}$ c) $\frac{17}{53}$ d) $3\frac{5}{17}$

3. There are .... positive integers from -5 to 6.
   a) 5   b) 6   c) 7   d) 11

4. One unit to the right of -7 is ....
   a) +1   b) - 8   c) - 7   d) - 6

5. If every side of a rectangle is doubled then its area becomes .... times.
   a) 2   b) 3   c) 4   d) 6

6. The side of a square is 10cm. If its side is tripled, then by how many times will its perimeter increase?
   a) 2 times   b) 4 times   c) 6 times   c) 3 times

7. Which of the following letter does not have a line of symmetry?
   a) A   b) P   c) T   d) U

8. The order of rotational symmetry of 818 is ....
   a) 1   b) 2   c) 3   d) 4

9. The next term in the sequence 15, 17, 20, 22, 25 .... is
   a) 28   b) 29   c) 27   d) 26

10. The 11th term in the Lucas squence 1, 3, 4, 7 .... is
    a) 199   b) 76   c) 123   d) 47

II   Fill in the blanks.

5 X 1 = 5

11. The number which has its own reciprocal is ....

12. - 46 is to the .... of - 35 on the number line.

13. 5cm² = ... mm².

14. A rhombus has .... lines of symmetry.

15. Find the next number in the following 10, 20, 40, 80, ...

III   Say true or false.

5 X 1 = 5

16. $3\frac{1}{2}$ can be written as $3+\frac{1}{2}$.

17. The reciprocal of an improper fraction is always a proper fraction.

18. All whole numbers are integers.

19. The perimeter of any closed figure is the total length of its boundary.

20. Order of rotation of a circle is infinite.

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IV   Match the following.   5 X 1 = 5

21. Rectangle   -   + 15

22. Parallelogram   - $\dfrac{3}{7}$

23. Perimeter of the triangle -   Two lines of symmetry

24. Opposite of -15   - $(a+b+c)$ units

25. $\dfrac{1}{7}+\dfrac{2}{7}$ -   No line of symmetry

V   Answer any 6 of the following.   6 X 2 = 12

26. Convert $5\dfrac{3}{7}$ into an improper fraction.

27. Divide : $\dfrac{4}{3} \div \dfrac{5}{9}$

28. Mark the numbers 4, -3, 5, -1 on the number line.

29. Find the opposite of the following.   a) 44   b) 0

30. Find the perimeter of an equilateral triangle with side 6cm.

31. Find the area of the rectangle whose length is 6m and breadth is 4m.

32. Find the next three numbers in the following number patterns :
    50, 51, 53, 56, 60, ..., ..., ...

VI   Answer any 6 of the following.   6 X 3 = 18
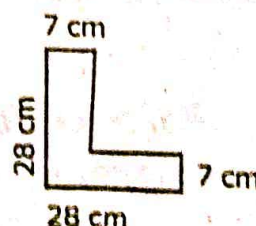
33. Nilavan can walk 4½ km in an hour. How much distance will he cover in 3½ hours?

34. Find three equivalent fractions of $\dfrac{3}{4}$.

35. Put the appropriate signs as >,< in the box.
    $i) -8 \square -7$ $ii) -999 \square -1000$ $iii) 0 \square -200$

36. Arrange the following integers in ascending order :
    -100, 10, -1000, 100, 0, -1, 1000, 1, -10.

37. A square park has 40m as its perimeter. What is the length of its side? Also find its area.

38. The scalene triangle has 40cm as its perimeter and whose two sides are 13cm and 15cm, find the third side.

39. Find the HCF of 25 and 35.

40. Study and complete the following pattern.

    $$1 \times 1 = 1$$
    $$11 \times 11 = 121$$
    $$111 \times 111 = 12321$$
    $$1111 \times 1111 = ?$$
    $$11111 \times 11111 = ?$$

VII Answer any one of the following.   1 X 5 = 5

41. Find the perimeter and area of the following 'L' shaped figure.

42. Draw the lines of symmetry for an equilateral triangle, a square and a rectangle and also find the number of lines of symmetry.

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