

COMMON THIRD TERM SUMMATIVE EXAMINATION - 2025**Standard - VI****Time: 2.00 hrs****MATHEMATICS****Marks:60****I Choose the correct Answer:****5x1=5**

1. If $\frac{6}{7} = \frac{A}{49}$, then the value of A is
a) 42 b) 36 c) 25 d) 48
2. One unit to the right of -7 is _____
a) +1 b) -8 c) -7 d) -6
3. 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 d) 3 times
4. The order of rotational symmetry of 818 is
a) 1 b) 2 c) 3 d) 4
5. The 11th term in the Lucas sequence 1,3,4,7,... is
a) 199 b) 76 c) 123 d) 47

II Fill in the blanks**5x1=5**

6. $7\frac{3}{4} + 6\frac{1}{2} =$ _____
7. _____ is an integer which is neither positive nor negative.
8. $8 \text{ km}^2 =$ _____ m^2
9. A rhombus has _____ lines of symmetry.
10. There are _____ integers from -5 to +5 (both inclusive)

III Say true or false**5x1=5**

11. The reciprocal of a improper fraction is always a proper fraction.
12. All negative integers are greater than zero.
13. Perimeter of the triangle, $P=(a+b+c)$ units.
14. The number 191 has rotational symmetry.
15. The Fibonacci sequence is 1,1,2,3,5,8,13,21,34



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VI Maths

5x1=5

IV Match the following:-

16. $\frac{15}{7}$ is

= -55

17. The opposite of 55 is

= p

18. The reflected image of the letter 'q' is

= four line of symmetry

19. Square

= <

20. $-7 \square 8$

= an improper fraction

V Answer any Ten of the following:

10x2=20

21. Convert $5\frac{3}{7}$ into an improper fraction.22. Find the sum of $\frac{1}{7}$ and $\frac{3}{9}$ 23. Multiple : $\frac{3}{8} \times \frac{4}{5}$ 24. Divide : $\frac{4}{3} \div \frac{5}{9}$

25. If 15 km east of a place is denoted as +15km, what is the integer that represents 15 km west of it?

26. Write all the integers between the given numbers.

i) 7 and 10 ii) -5 and 0

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

28. On the number line, which number is

i) 5 units to the left of 3? ii) 4 units to the right of -7?

29. The side of a square is 5cm. Find its perimeter.

30. Find the Perimeter of a triangle whose sides are 3cm, 4cm and 5cm.

31. Find the area of a rectangle of length 12cm and breadth 7cm.

32. Fill in the blanks. i) $2\text{cm}^2 = \underline{\hspace{2cm}} \text{mm}^2$ ii) $18\text{m}^2 = \underline{\hspace{2cm}} \text{cm}^2$

33. Find the order of rotation for the following figures.

i)



ii)



(3)

VI Maths

34. Draw the lines of symmetry of the following

i)



ii)



35. Study and complete the following pattern

$$I \times I = 1$$

$$II \times II = 121$$

$$III \times III = 12321$$

$$IIII \times IIII = ?$$

$$IIII \times IIII = ?$$

VI Answer any five of the following:

5x3=15

36. A man wants to fill $3\frac{3}{4}$ kg of rice equally in 3 bags. How much rice does each bag contain?37. An oil tin contains $3\frac{3}{4}$ litres of oil of which $2\frac{1}{2}$ litres of oil is used. How much oil is left over?

38. Find the opposite of the following numbers.

i) 44 ii) -19 iii) 0 iv) -312 v) 789

39. Arrange the following integers in ascending order.

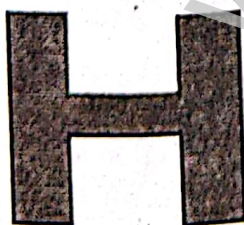
-15, 0, -7, 12, 3, -5, 1, -20, 25, 18

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

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

42. Find the order of rotation for each of the following.

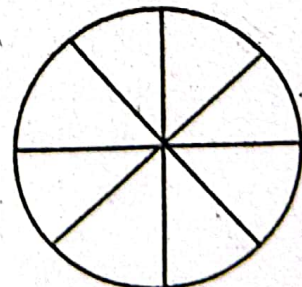
i)



ii)



iii)



(4)

VI Maths

43. Find HCF of the following pair of numbers by Euclid's game
i) 36 and 12

VII Answer any one of the following:

1x5=5

44. Mark the numbers 4, -3, 6, -1 and -5 on the number line.
45. Arrange the following integers in ascending order and descending order.
-99, -120, 65, -46, 78, 400, -600

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