

COMMON THIRD TERM SUMMATIVE EXAMINATION - 2025

Standard - VII

Time: 2.00 hrs

MATHEMATICS

Marks:60

I Choose the correct answer:

10x1=10

1. $7.0 - 2.83 =$ _____
a) 3.47 b) 4.17 c) 7.34 d) 4.73
2. $2.08 \times 10 =$ _____
a) 20.8 b) 208.0 c) 0.208 d) 280.0
3. Kavin scored 15 out of 25 in a test. The percentage of his marks is _____
a) 60% b) 15% c) 25% d) 15/25
4. The interest for a principle of Rs.4,500 which gives an amount of Rs.5000 at end of certain period is
a) Rs.500 b) Rs.200 c) 20% d) 15%
5. The factors of $x^2 - 6x + 9$ are
a) $(x-3)(x-3)$ b) $(x-3)(x+3)$ c) $(x+3)(x+3)$ d) $(x-6)(x+9)$
6. The solutions of the in equation $3 \leq P \leq 6$ are (Where P is a natural number)
a) 4,5 and 6 b) 3,4 and 5 c) 4 and 5 d) 3,4,5,& 6
7. A _____ is a turn about a point
a) Translation b) Rotation c) Reflection d) Glide Reflections
8. A _____ is a slide move without turning or flipping the shape.
a) Translation b) Rotation c) Reflection d) Glide Reflections
9. The mean of the data 12,x,28 is 18. Find the value of x.
a) 18 b) 16 c) 14 d) 22
10. The median first 6 odd natural numbers is _____
a) 6 b) 7 c) 8 d) 14

II Fill in the blanks

5x1=5

11. $1.0 + 0.83 =$ _____
12. Express $24abc^2$ as product of its factors is _____
13. The area between the two concentric circles is known as _____
14. The average of the marks 2,9,5,4,4,8,10 is _____
15. Find the mode of data 3,6,9,12,15 is _____

III Match the following

5x1=5

- | | | |
|---------------------|---|----------------------------|
| 16. $(a+b)^2$ | - | it shows direction of flow |
| 17. Amount | - | 0.475 |
| 18. 30% | - | $a^2 + 2ab + b^2$ |
| 19. $47.5 \div 100$ | - | 0.3 |
| 20. \rightarrow | - | principle + Interest |

(2)

VII Maths

IV Answer the following (any 10)

10x2=20

21. Add : $25.8 + 18.53$
22. Subtract 1.35 from 3.51
23. Simplify : $41.36 \div 4$
24. Convert the fraction $\frac{36}{50}$ as percent.
25. There are 50 students in a class. If 14% are absent on a particular day, find the number of students present in the class.
26. 14 out of the 70 magazines at the book store are comedy magazines. What percentage of the magazines at the bookstore are comedy magazine?
27. Find the simple interest on Rs.35,000 at 9% per annum for 2 years?
28. Find the product of $(x+3)(x+7)$ (using identify)
29. If $a+b=10$ and $ab=18$, find the value of a^2+b^2 .
30. Factorise $y^2+20y+100$
31. Solve $2x+4<18$, where x is a natural number.
32. Find the mode of the following data 2,4,5,2,6,7,2,7,5,4,8,6,10,3,2,4,2
33. Find the median of the following golf scores 68, 79, 78, 65, 75, 70, 73.

V Answer the following (any 5) :

5x3=15

34. Find the Area of the rectangle whose length is 23.7cm and breadth is 15.2cm.
35. Inian bought 5 dozen eggs. Out of that 5 dozen eggs. 10 eggs are rotten. Express the number of good eggs as percentage.
36. In what time will Rs.5,600 amount to Rs.6,720 at 6% per annum?
37. Simplify : $(3x-5y)^2$
38. Evaluate : 51^2 (using suitable identity)
39. If the mean of the following numbers is 38, find the value of x .
48, x , 37, 38, 36, 27, 35, 34, 38, 49, 33
40. Find the Median of the following data 12, 7, 23, 14, 19, 10, 5, 26.

VI Answer any one of the following:

1x5=5

41. Draw concentric circles with radii 3cm and 5cm and shade the circular ring. Find its width.

(OR)

42. A merchant calculates the cost price (CP) and the selling price (SP) of the product bought by him. Construct the flowchart to print 'PROFIT' if the selling price (SP) is more than the cost price (CP) or else 'LOSS'

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