

ASS 7 - Std **THIRD TERM SUMMATIVE ASSESSMENT EXAMINATION - 2025****MATHEMATICS**

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Time : 2.00 Hrs

Marks : 60

I Choose the correct answer.

5 X 1 = 5

1. $1.0 + 0.83 = ?$ a) 0.17 b) 0.71 c) 1.83 d) 1.38
2. 0.07% is a) $\frac{7}{10}$ b) $\frac{7}{100}$ c) $\frac{7}{1000}$ d) $\frac{7}{10,000}$
3. A is a turn about a point.
a) Translation b) Rotation c) Reflection d) Glide Reflection
4. The percentage of 4.7 is
a) 0.47% b) 4.7% c) 47% d) 470%
5. The mode of 3, 6, 9, 12, 15 is
a) 1 b) 2 c) 3 d) No mode

II Say true or false.

5 X 1 = 5

6. $0.02 \times 1000 = 20$
7. Simple interest $I = \frac{Pnr}{100}$
8. Percentage is a fraction with denominator hundred.
9. $x < -y$ can be written as $-y < x$.
10. A reflection is a flip over a line.

III Fill up the blanks.

5 X 1 = 5

11. Selling price SP =
12. Amount = Principal +
13. A Rotation is also called as
14. The product of $(x + 5)$ and $(x - 5)$ is
15. The median of first ten even natural numbers is

IV Match the following.

5 X 1 = 5

- | | | |
|---------------------------------|---|--|
| 16. $(a + b)^2$ | - | $\frac{\text{Loss}}{\text{CP}} \times 100$ |
| 17. Linear Equation | - | bh sq.units |
| 18. Width of the circular path- | - | $a^2 + b^2 + 2ab$ |
| 19. Area of a parallelogram | - | One solution. |
| 20. Loss percent | - | $r_2 - r_1$ |

V Answer any 10 questions.

10 X 2 = 20

21. Round 99.95 to the nearest tenth place.

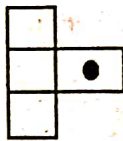
22. Write $\frac{1}{5}$ as percent.

ASS 7 - கணிதம் (E.M) பக்கம் - 1

23. Find the values of 0.3×0.4 .
 24. Convert the decimal 0.85 to percent.
 25. What percentage of 8 is 64.
 26. Simplify : $(x + 3)(x + 5)$.
 27. Find the value of $(4.9)^2$.
 28. Simplify : $(a + b)^2 + (a - b)^2$.
 29. Find the mode

Number of study hrs	1	2	3	4	5	6
Number of students	4	2	1	2	1	0

30. Reflect the figure



31. Solve : $2x + 4 < 18$.
 32. Find the mode of the data 2, 4, 5, 2, 6, 7, 2, 7, 5, 4, 8, 6, 1, 0, 3, 2, 4, 2.
 33. Find the median of the data 35, 25, 34, 36, 45, 18, 28
 34. Evaluate : $3.628 + 31.73 - 2.1$.
 35. Factorize $64x^2 - 81y^2$, by using identify $a^2 - b^2$.

VI Answer any five questions.

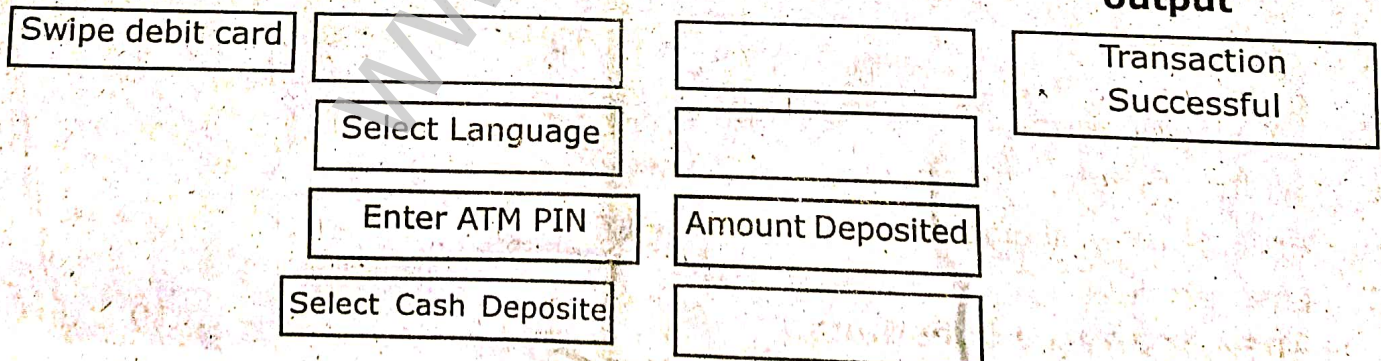
$$5 \times 3 = 15$$

36. Find the simple interest on Rs. 35,000 at 9% per annum for 2 years.
 37. Find the perimeter of an equilateral triangle with a side measuring 3.8cm.
 38. Multiply 5.6×3.2 .
 39. Find the area of the parallelogram whose base is 6.8cm and height is 3.5cm.
 40. Find the percentage of the shaded region in the figure.
 41. Show that $(x + 2y)^2 - (x - 2y)^2 = 8xy$.
 42. The mean of 9 observation is 24, Find the sum of 9 observations.
 43. Construct a flow chart for depositing a sum of money by using the instructions.



Input

output



VII Answer any one.

44. Draw concentric circle with $d = 6.2$ cm and $r = 6.2$ cm.
 45. Draw concentric circle with $r = 5$ cm and $r = 7.5$ cm.

$$1 \times 5 = 5$$