

**Class : 7**Register  
Number

# FIRST MID TERM TEST - 2023

## MATHEMATICS

Time Allowed : 1.00 Hours]

[Max. Marks : 30

**PART - A****I. Choose the correct Answer. 3x1=3**

1. Which property illustrated by the equation  $(5 \times 2) + (5 \times 5) = 5 \times (2+5)$ 
  - (a) Commutative
  - (b) Closure
  - (c) distributive
  - (d) associative
2. The area of the rhombus with side 4 cm and height 3 cm is
  - (a) 7 sq.cm
  - (b) 24 sq.cm
  - (c) 125 sq.cm
  - (d) 10 sq.cm
3. Choose the pair of like terms.
  - (a)  $7p, 7x$
  - (b)  $7r, 7x$
  - (c)  $-4x, 4$
  - (d)  $-4x, 7x$

**II. Fill in the Blanks. 3x1=3**

4.  $(-5) + \text{-----} = -100.$
5. Area of the parallelogram = -----
6. The constant term of the expression  $2y - 6$  is -----

**III. Say True or False. 3x1=3**

7. The additive inverse of  $(-32)$  is  $(-32)$
8.  $(-675) - (-400) = -1075$
9.  $(-64) \div (-64)$  is 0.

**IV. Match the following. 3x1=3**

10. Area of the parallelogram - Commutative Property
11. Area of the Rhombus -  $b \times h$  sq.units
12.  $(-15) + (7) = (7) + (-15)$  -  $\frac{1}{2} \times (d_1 \times d_2)$  sq.units.

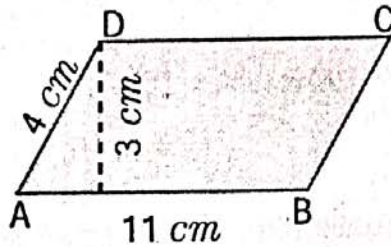
**PART - B****V. Answer any four questions. 4x2=8**

13. Add the following.

8 and -12 using number line.

CP/7/Mat/1

14. Find the Product of  $(-2) \times (+50) \times (-25) \times 4$ .
15. Find the area and perimeter of the following Parallelogram.



16. Find the sum of the expression  $a + 5b + 7c$  and  $2a + 10b + 9c$ .
17. Find the area of trapezium whose parallel sides are 24 cm and 20 cm and the distance between them is 15 cm.
18. Solve
- i)  $x + 5 = 8$       ii)  $p - 3 = 7$ .

## PART - C

## VI. Answer any two questions.

2x5=10

19. Mention the property for the following equations.

- i)  $-45 + (-12) = -57$
- ii)  $(-15) + 7 = (7) + (-15)$
- iii)  $(-7) + [(-7) + (-4)] + (-3)$ .

20. A ground is in the shape of Parallelogram. The height of the Parallelogram is 14 metres and corresponding base is 8 metres longer than its height. Find the cost of levelling the ground at the rate of ₹15 per sqm.

21. If  $x = 2$  and  $y = 3$  then find the value of the following expressions.

- i)  $2x - 36$       ii)  $x + y$