

**FIRST MID TERM TEST - 2022****7** - Std**Maths**Reg. No. 

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Time : 1.30 Hrs

Marks : 50

**I Choose the correct answer.**

5 X 1 = 5

1.  $20 + (-9) + 9 = \dots$ 
  - a) 20
  - b) 29
  - c) 11
  - d) 38
  
2.  $(-5) - (-18) = \dots$ 
  - a) 23
  - b) - 13
  - c) 13
  - d) -23
  
3. Which property is illustrated by the equation  
 $(5 \times 2) + (5 \times 5) = 5 \times (2 + 5)$ 
  - a) commutative
  - b) closure
  - c) distributive
  - d) associative
  
4. The area of a parallelogram whose base 10, and height 7m is
  - a) 70 sq.m
  - b) 35 sq.m
  - c) 7 sq.m
  - d) 10 sq.m
  
5. The angle between the diagonals of a rhombus is
  - a)  $120^\circ$
  - b)  $180^\circ$
  - c)  $90^\circ$
  - d)  $100^\circ$

**II Fill in the blanks.**

5 X 1 = 5

1. The additive inverse of  $-37xyz$  is .....
2. The numerical co-efficient of the term  $-xy$  is .....
3. The set of integers is not closed under .....
4. .....  $\times 75 = 0$ .
5. .....  $- 75 = -45$

**III Say true or false.**

5 X 1 = 5

1.  $15 - (-18)$  is the same as  $15 + 18$ .
2.  $(-100) \times 0 \times 20 = 0$
3.  $(-30)(-6) = (-6)$ .
4.  $2pq$  and  $-7pq$  are like terms.
5. The expression  $8x + 3y$  and  $7x + 2y$  can not be added.

**IV Match the following.**

5 X 1 = 5

1. Area of the Trapezium - m - 5
2. Binomial - 0
3. Area of rhombus -  $x h (a + b)$  sq.units
4. 5 is reduced from m -  $\times d_1 \times d_2$  sq.units
5.  $999 \times 0$  -  $2x + 3y$

**V Answer any 10 questions.**

10 X 2 = 20

1. Subtract :  $7xyz$  from  $17 xyz$ .
2. Add the expressions :  $(8x + 3) + (1 - 7x)$
3. If  $x = 2$  and  $y = 3$  and then find the value of the following expression.  
 $4y - x$ .
4. Find the area of a trapezium whose parallel side area 24cm and 20cm and the distance between them is 15cm.
5. Find the area of a rhombus, when both diagonals measuring 8cm.
6. Find the area of a parallelogram whose base is 12m and height is 8m.
7. Divide  $(-72)$  by 8. 1
8. Find the product of  $(-9) \times (-8) \times (-7) \times (-6)$ .
9. Find the value of  $(-35) \times (-11)$ .
10. Find the value using number line  $(-3) - (-4)$ .
11. Are  $(11 + 7) + 10$  and  $11 + (7 + 10)$ .
12. The product of two integers is -135. If one number -15. Find the other integer.

**VI Answer the following questions.**

2 X 5 = 10

1. Draw a line segment of given length and construct a perpendicular bisector to each line segment using scale and compass. 8cm.
2. Construct the angle using protractor and draw a bisector using ruler and compass :  $100^\circ$