7 - Std   **Maths**   Reg. No. ☐☐☐☐☐☐

Time : 1.30 Hrs   Marks : 50

I Choose the correct answer.   5 X 1 = 5

1. 20 + (-9) + 9 = ...
   - a) 20
   - b) 29
   - c) 11
   - d) 38

2. (-5) - (-18) = ...
   - a) 23
   - b) - 13
   - c) 13
   - d) -23

3. Which property is illustrated by the equation
   (5 x 2) + (5 x 5) = 5 x (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°
   - b) 180°
   - c) 90°
   - d) 100°

II Fill in the blanks.   5 X 1 = 5

1. The additive inverse of -37 xyz is ....

2. The numerical co - efficient of the term -xy is ....

3. The set of integers is not closed under ....

4. .... x 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) x 0 x 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 - $x \, d_1 \times d_2$ sq.units
5. 999 x 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.
8. Find the product of $(-9) \times (-8) \times \frac{1}{2} (-7) \times (-6)$.
9. Find the value of (–35) x (–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°