Class : 7

Register Number

FIRST MID TERM TEST - 2024
MATHEMATICS

Time Allowed : 1.00 Hours]   [Max. Marks : 30

PART - A

I.   **Choose the correct Answer.**   4x1=4

1.   The set of integers is not closed under

   a) Addition   b) Subtraction   c) Multiplication d) Division

2.   The angle between the diagonals of a rhombus is

   a) 120°   b) 180°   c) 90°   d) 100°

3.   The numerical co-efficient of -7mn is

   a) 7   b) -7   c) P   d) -P

4.   Vertically opposite angles are

   a) not equal in measure   b) Complementary

   c) Supplementary   d) Equl in measure

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

5.   15 - (-18) is the same as 15+18

6.   2pq and -7qp are like terms.

7.   The sum of all angles at a point is 180°.

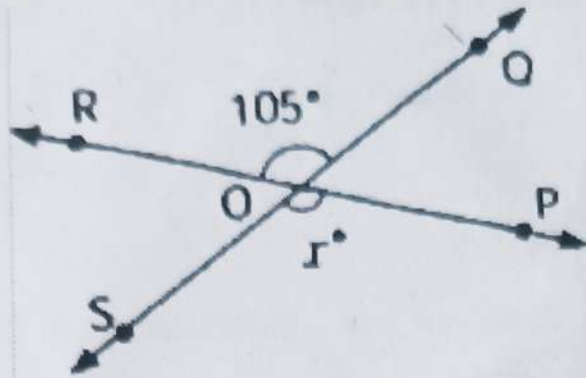III. **Fill in the Blanks.**   3x1=3

8.   —— x 75 = 0

9.   A parallelogram with one pair of non-parallel sides is known as a ----------

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

IV.   **Answer any 4 of the following questions:**   4x2=8

11.   Add 8 and -12 using number line.

12.   Find the product of (-2) x 50 x (-25) x 4.

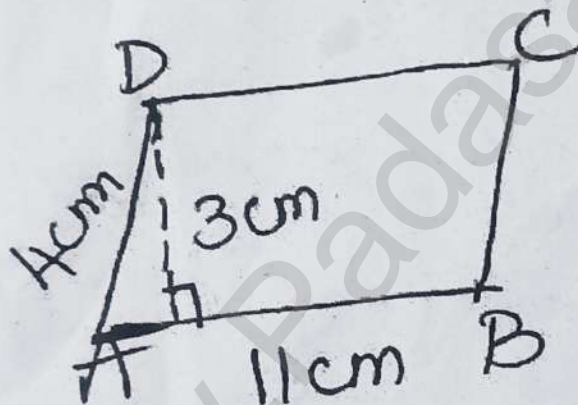13.   Calculate the area of the rhombus having diagonals equal to 6m and 8m.   CH/7/Mat/I

14. Find the numerical coefficient in each of the following terms. -3yx, 12k, y, 121bc.

15. How many (-4)' S are there in (-20)?

16. From the given figure, find the missing angle (x°).

V.   **Answer any 4 of the following questions:**   4x3=12

17. Given 168 x 32 = 5376 then, find (-5376) ÷ (-32).

18. Find all possible pairs of integers that give a product of -50.

19. Find the area and perimeter of the following Parallelogram.

20. The sunshade of a window is in the form of isosceles trapezium whose parallel sides are 81cm and 64 cm and the distance between them is 6 cm. Find the cost of painting the surface at the rate of ₹2 per sq.cm

21. Write the variables, constant and terms of the expression 7p-4q+5.

22. If the three angles at a point are in the ratio 1 : 4 : 7, Find the value of each angle?

$$3 + 2 + 2 + 3 + 4$$
$$5 + 5 + 4$$

CH/7/Mat/2