

FM

FIRST MID TERM TEST - 2023

CLASS :7

MATHS

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TIME : 1.30 Hrs.

MARKS :50

I Choose the best.

5 X 1 = 5

- $(-10) + (+7) = \dots\dots\dots$ a) +3 b) -3 c) -17 d) +17
- Additive inverse of 7 is a) -7 b) $1/7$ c) 1 d) 0
- When the non - parallel sides of a trapezium are equal then it is known as
a) a square b) a rectangle c) an isosceles trapezium d) a parallelogram
- The area of a parallelogram whose base 10m and height 7m is sq.m
a) 70 b) 35 c) 7 d) 10
- The numerical co-efficient of $-7m$ is a) 7 b) P c) -7 d) -P

II Fill in the blanks.

5 X 1 = 5

- $0 + (-2345) = \dots\dots\dots$
- $(-100) \times 0 \times 20 = \dots\dots\dots$
- The angle between the diagonals of a Rhombus is
- The angle on the straight line is
- The addition of $-7b$ and $2b$ is

III Say True? OR False?

5 X 1 = 5

- The first number of Natural number set is 1.
- $(-15) \times 5 = 75$.
- Area of parallelogram = $b \times h$ sq.units.
- $3xy$ and $-12y$ are like terms.
- The variable of $16x - 7$ is 'x'.

IV Match it.

5 X 1 = 5

- Additive identify - 90°
- Right angle - 120°
- $100 \times (-5)$ - x
- Obtuse angle - 0
- Variable - (-500)

V Answer any 10 of the following questions.

10 X 2 = 20

- Add: (-70) and (-12) .
- Find the value of -5×12 .
- One of the sides and corresponding height of the parallelogram are 12m and 8m respectively. Find the area of the parallelogram.
- Subtract (-12) from (-20) .
- Divide (-85) by 5.
- Calculate the area of the rhombus having diagonals equal to 6m and 8m.
- Add the following integers using number line 10 and (-15) .
- Find the area of a trapezium whose parallel sides are 12m and 20m and height is 10m.
- Identify the variables and constants of $3x - 5 + 7z$.
- Write any two examples to acute angle.
- Check the following for equality and if they are equal, mention the property $18 \times (-5)$ and $(-5) \times 18$.
- Find the height off the rhombus whose side is 24, and area is 96 sq.m?

VI Answer the following questions.

2 X 5 = 10

- Define with example a) Line segment b) Ray c) Acute angle d) Right angle.
- Calculate the value of x° in the following cases.

