

Standard 7 MATHS

Marks: 60

Time: 2.00 Hrs.

5×1=5**I. Choose the best answer:**

- 1) $(-10) + (+7) =$ _____
 a) +3 b) -3 c) -17 d) +17
- 2) When the non-parallel side of a trapezium are equal then it is known as
 a) a square b) a rectangle
 c) an isosceles trapezium d) a parallelogram
- 3) The generalization of the number pattern 3, 6, 9, 12, is
 a) n b) 2n c) 3n d) 4n
- 4) A straight angle measures
 a) 45° b) 90° c) 180° d) 0°
- 5) If the cost of 3 book is ₹ 90, then find the cost of 12 books?
 a) ₹ 300 b) ₹ 320 c) ₹ 360 d) ₹ 400

5×1=5**II. Fill in the blanks:**

- 6) _____ - (+50) = -80
- 7) The number of terms in the expression $3ab+4c-9$ is _____.
- 8) The perimeter of a parallelogram whose adjacent sides are 6 cm and 5 cm is _____.
- 9) If the cost of 7m cloth is ₹ 294, then the cost of 5m of cloth is _____.
- 10) A tetromino is a shape obtained by _____ squares together.

5×1=5**III. True (or) False:**

- 11) $(-90) + (-30) = 60$
- 12) If x is a natural number, then $x+1$ is its predecessor.
- 13) The co-efficient of ab in the term $15abc$ is 15.
- 14) Distance travelled by a bus and time taken are in direct proportion.
- 15) Vertically opposite angles are equal in measure.

5×1=5**IV. Match it:**

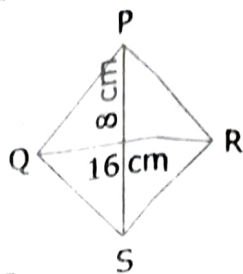
- | | |
|-------------------------------|--------------------------------|
| 16) Area of the parallelogram | - 1 |
| 17) Area of the trapezium | - 20 |
| 18) $(-200) \div 10$ | - 180° |
| 19) Constant of $-xy$ | - bh sq.units |
| 20) Reflex angle | - $\frac{1}{2}h(a+b)$ sq.units |

V. Answer any 6 questions:**6×2=12**

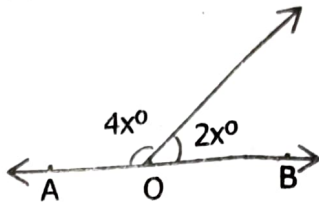
- 21) 10 and -15 using number line.
- 22) Find the product of -35×22 .
- 23) One of the sides and the corresponding height of the parallelogram are 12m and 8m respectively. Find the area of the parallelogram.

V7M

- 24) Find the area of rhombus PQRS shown in the following figures.



- 25) Subtract: $7pq$ from $11pq$
 26) Solve: $7x+10 = 80$
 27) A dozen bananas costs ₹ 20. What is the price of 48 bananas?
 28) Calculate the value of x° in the following case.

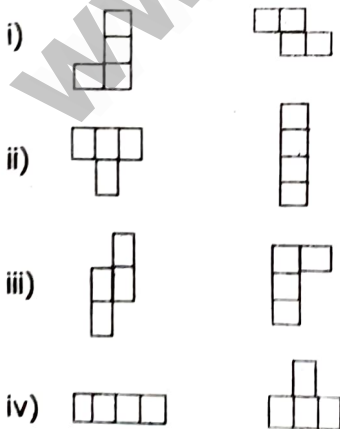


- 29) Define: Ray

VI. Answer any 6 questions:

6×3=18

- 30) The product of two integers is -135 . If one number is -15 . Find the other integer.
 31) A submarine was situated at 650 feet below the sea level. If it descends 200 feet. What is its new position?
 32) Find the area of a trapezium whose parallel sides are 24 cm and 20 cm and the distance between them is 15 cm.
 33) The base of the parallelogram is 16 cm and the height is 7 cm less than its base. Find the area of the parallelogram.
 34) If $x=3$, $y=2$ find the value of (i) $4x+7y$ (ii) $x-y$.
 35) Find two consecutive natural numbers whose sum is 75.
 36) 60 workers can spin a bale of cotton in 7 days. In how many days will 42 workers spin it?
 37) If the three angles at a point, are in the ratio 1:4:7. Find the value of each angle.
 38) Match the tetrominoes of same type:



VII. Answer any 2 questions:

2×5=10

- 39) Construct a perpendicular bisector of the line segment $AB = 6$ cm.
 40) Construct bisector of the $\angle ABC$ with the measure 90° .
 41) Construct the 120° angle using ruler and compass only.