

◆ FIRST TERM SUMMATIVE EXAMINATION - 2024

Standard - VII

Time: 2.00 hrs

MATHEMATICS

Marks:60

5x1=5

I Choose the correct answer:

1. $(-10) + (+7) =$ _____
 a) +3 b) -3 c) -17 d) +17
2. The area of a parallelogram whose base 10m and height 7m is
 a) 70 sq.m b) 35 sq.m c) 7 sq.m d) 10 sq.m
3. The numerical co-efficient of $-7mn$ is
 a) 7 b) -7 c) P d) -P
4. The sum of all angles at a point is
 a) 360° b) 180° c) 90° d) 0°
5. If the cost of 3 books is Rs.90, then find the cost of 12 books
 a) Rs.300 b) Rs.320 c) Rs.360 d) Rs.400

II Fill in the blanks

5x1=5

6. $-44 +$ _____ $= -88$
7. The angle between the diagonals of a rhombus is _____
8. The additive inverse of $-37xyz$ is _____
9. If the cost of 8 apples is Rs.56 then the cost of 12 apples is _____
10. A line which intersects two or more lines in different points is known as _____

III Match the following

5x1=5

- | | | |
|-------------------------------|---|------------------------------|
| 11. 0×75 | - | bh |
| 12. Area of the Trapezium | - | 3 |
| 13. Area of the parallelogram | - | 90° |
| 14. $x + 5 = 8$ | - | 0 |
| 15. Right angle | - | $\frac{1}{2} \times h (a+b)$ |

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VII Maths

IV True or False

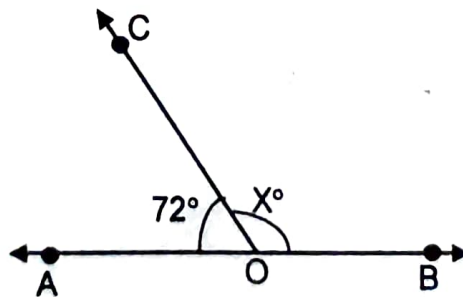
5x1=5

16. $(-64) \div (-64) = 0$
17. If x is a natural number, then $x+1$ is its predecessor.
18. Area of rhombus is bh sq.units.
19. A tetromino is a shape obtained by 4 squares together.
20. An angle whose measure is exactly 180° is called a straight angle.

V Answer any Ten questions:-

10x2=20

21. Add the following (-3) and (-5) using number line.
22. Find the product of $(-2) \times (+50) \times (-25) \times 4$
23. The product of two integers is -135 . If one number is -15 , Find the other integer.
24. One of the sides and the corresponding height of the parallelogram are $12m$ and $8m$ respectively. Find the area of the parallelogram.
25. The area of a rhombus is 160sq.cm and the length of one of its diagonals is 8cm . Find the length of the other diagonal.
26. Find the area of the trapezium whose height is 14cm and the parallel sides are 18cm and 9cm of length.
27. If $x=2$ and $y=3$ then find the value of the following expressions i) $x+y$ ii) $x+1-y$
28. Subtract $(m+n)$ from $(3m-7n)$
29. A dozen bananas cost Rs.20, what is the price of 48 bananas?
30. Given that AB is a straight line. Calculate the value of x° in the following case.



(3)

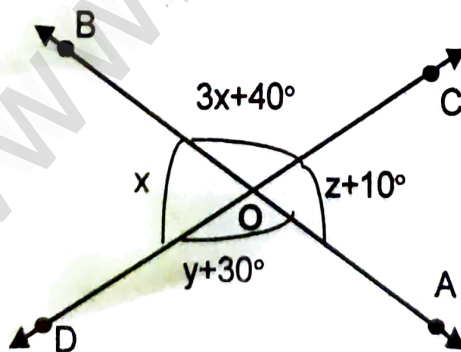
VII Maths

31. Mention two real - life situations where we use parallel lines.
32. If 30 men can reap a field in 15 days, then in how many days can 20 men reap the same field.
33. Draw a testromino which passes symmetry.

VI Answer any five

5x3=15

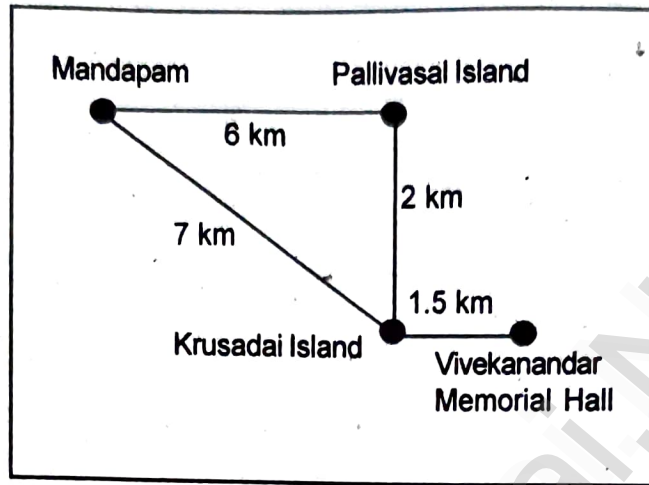
34. Find all possible pairs of integers that give a product of -50
35. If $P=-15$ and $Q=5$ find $(P-Q) \div (P+Q)$
36. The area of a trapezium is 1080sq.cm. If the length of its parallel sides are 55.6cm and 34.4 cm find the distance between them.
37. What should be added to $3x+6y$ to get $5x+8y$?
38. If the cost of 7kg of onions is Rs.84. Find the following.
- Weight of the onions bought for Rs.180.
 - The cost of 3kg of onions.
39. Find the value of x , y and z .



(4)

VII Maths

40. Find the shortest route to Vivekandar Memorial Hall from the Mandapam using the given map.



VII Answer any one of the following:

1x5=5

41. a) Draw a line segment of $AB=8\text{cm}$ and construct a perpendicular bisector.

(OR)

b) Construct bisector of the $\angle ABC$ with the measure 80° .

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