FIRST MID TERM TEST - 2024

Standard - VII

Time: 1.30 hrs **MATHS** **Marks:50**

Part - I

I Choose the correct answer: **5x1=5**

1. (-100) - 0 + 100 = _____
   (i) 200 (ii) 0 (iii) 100 (iv) -200
2. The set of integers is not closed under
   (i) Addition (ii) subtraction (iii) Multiplication (iv) Division
3. The perimeter of a parallelogram whose adjacent sides are 6cm and 5cm is
   (i) 12cm (ii) 10cm (iii) 24cm (iv) 22cm
4. The numerical co-efficient of -7mn is
   (i) 7 (ii) -7 (iii) P (iv) -P
5. The sum of all angles at a point is
   (i) 360° (ii) 180° (iii) 90° (iv) 0°

Part - II

II Fill in the blanks **5x1=5**

6. (-5) + _____ = -100
7. 100 x _____ = -500
8. Area of the parallelogram _____
9. The constant term of the expression 2y - 6 is _____
10. The number of terms in the expression 3ab + 4c - 9 is _____

Part - III

III Say "True" or "False" **5x1=5**

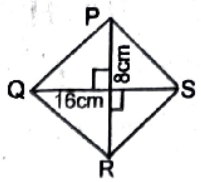
11. The additive inverse of (-32) is (-32)
12. 15 - (-18) is the same as 15 + 18
13. (-15) x 5 = 75
14. (-64) ÷ (-64) is 0
15. 2pq and -7qp are like terms.

Part - IV

IV Answer any five questions:- **5x2=10**

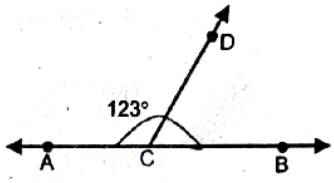
16. Add the following integers using number line 10 and -15
17. Find the product of (-35) x 22
18. One night in Kashmir, the temperature is -5°c. Next day the temperature is 9°c. What is the increase in temperature?
19. Find the area of parallelogram
    base = 18 cm h = 5 cm

20. Find the area of rhombus PQRS shown in the following figure.



21. Identify the like terms among the following:
7x, 5y, -8x, 12y, 6z, z, -12x, -9y, 11z

22. Find the missing angles



Part - V

V Answer any five questions **5x5=25**

23. Kabilan was having 10 pencils with him. He gave 2 pencils to Senthil and 3 to Karthik Next day his father gave him 6 more pencils, from that he gave 8 to his sister. How many pencils are left with him?
24. A person lost 4800 calories in 30 days. If the calory loss is uniform, calculate the loss of calory per day.
25. Each day, the workers drill down 22 feet further until they hit a pool of water. If the water is at 110 feet, on which day will they hit the pool of water?
26. Find the hight 'h' of the parallelogram whose area and base are 368 sq.cm and 23 cm respectively.
27. The area of a trapezium is 828 sq.cm. If the lengths of its parallel sides are 19.6cm and 16.4cm, find the distance between them.
28. Find the numerical coefficient in each of the following terms:
-3xy, 12k, y, 121bc, -x, 9pq, 2ab
29. The angles at a point are x°, 2x°, 3x°, 4x° and 5x°. Find the value of the largest angle?

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