SECOND TERM FINAL EXAMINATION - 2025 | Exam No. [ ][ ][ ][ ][ ][ ][ ]

Time : 2-00 Hours   **VI - MATHS**   **Marks : 60**

I. *Answer all the Questions . Choose the correct answer.*   **(5x1=5)**

1. The difference between two successive odd numbers is
   a) 1   b) 2   c) 3   d) 0
2. Which of the following pairs is co-prime?
   a) 51, 63   b) 52, 91   c) 71, 81   d) 81, 99
3. Every day 150 lit of water is sprayed in the garden water sprayed in a week is
   a) 700 lit   b) 1000 lit   c) 950 lit   d) 1050 lit
4. 3 weeks = _____ days
   a) 21   b) 7   c) 14   d) 28
5. Discount = M.P – _____
   a) Profit   b) S.P   c) Loss   d) C.P

II. *Fill in the blanks.*   **(5x1=5)**

6. The number of prime numbers between 11 and 60 is _____.
7. The HCF of 45 and 75 is _____.
8. 250ml + 1/2 lit. = _____ lit.
9. 2 days = _____ hours.
10. The sum of three angles of a triangle is _____.

III. *Say True or False.*   **(5x1=5)**

11. The sum of any number of odd numbers is always even.
12. The numbers 57 and 69 are co-primes.
13. The HCF of 17 and 18 is 1.
14. Pugazhenthi ate 100g of nuts which is equal to 0.1kg.
15. Meena bought 250ml of buttermilk which is equal to 2.5lit.

IV. *Match the following.*   **(5x1=5)**

16. No sides are equal   -   Isosceles triangle
17. One right angle   -   Scalene triangle
18. One obtuse angle   -   Right angled triangle
19. Two sides of equal length -   Equilateral triangle
20. All sides are equal   -   Obtuse angled triangle

V. *Answer any 6 of the following Questions.*   **(6x2=12)**

21. Write the smallest and the biggest two digit prime number.
22. Find the HCF. 18, 24
23. Find the LCM. 8, 12
24. Convert into indicated units. 10Lit and 50ml in to ml.
25. Change the following into 12 hour format.   1) 08:45hours   2) 11:20 hours
26. Rani bought a set of bangles for ₹.310. Her neighbour liked it most. So, Rani sold it to her for ₹.325. Find the profit or loss to Rani.
27. Two angles of the triangles are given. Find the third angle. 80°, 60°
28. Can a triangle be for me with the following sides? It yes, name the type of triangle. 8cm, 6cm, 4cm.

VI. *Answer any 4 of the following Questions.*   **(4x5=20)**

29. Find the prime factorisation of each number by factor Tree method and Division Method. 60
30. Compare and put > or < or = in the following
    i) 800g +150g ☐ 1kg
    ii) 600ml+400ml ☐ 1l
    iii) 6m 25cm ☐ 600cm +25cm
    iv) 88cm ☐ 8m 8cm
    v) 55g ☐ 550mg
31. In a school 200 litres of lemon juice is prepared. If 250ml lemonjuice is given to each student, how many students get the juice?
32. Convert 38 months into years.
33. Valarmathi sold her pearl set for ₹.30,000 at profit of ₹.5,000. Find the cost price of the pearl set.
34. In ΔABC name the
    a) Three sides: _____,_____,_____
    b) Three angles: _____,_____,_____
    c) Three vertices: _____,_____,_____

VII. *Answer any one of the following Question.*   **(1x8=8)**

35. a) Construct a line perpendicular to the given line at a point on the line.

(OR)

   b) Draw a line segment AB=7cm and mark a point P on it. Draw a line Perpendicular to the given line segment at P.