Class : 6

Register Number

SECOND TERM - SUMMATIVE ASSESSMENT(SA) - 2024 - 25

MATHEMATICS

Time Allowed : 2.00 Hours]   [Max. Marks : 60

PART - I

YouTube/ Akwa Academy

I. Choose the correct Answer.   10x1=10

1. The only even prime number is -----------
   (a) 4   (b) 6   (c) 2   (d) 0

2. The sum of the factors of 27 is -------------
   (a) 28   (b) 37   (c) 40   (d) 31

3. Which of the following pairs is Co - prime?
   (a) 51,63   (b) 52,91   (c) 71,81   (d) 81,99

4. 1006 g is equal to ---------
   (a) 1 Kg 6g   (b) 10 Kg 6g   (c) 100 Kg 6g   (d) 1 Kg 600g

5. 2 days = ------------ hours
   (a) 38   (b) 48   (c) 28   (d) 40

6. What time will it be 5 hours after 22:35 hours -------------
   a) 2:30 hours   b) 3:35 hours   c) 4:35 hours   d) 5:35 hours

7. There is no profit (or) loss when
   (a) C.P = S.P   (b) C.P > S.P   (c) C.P < S.P   (d) M.P = Discount

8. Discount = M.P - ----------------
   a) Profit   b) S.P   c) Loss   d) C.P

9. The Angles of a right angled triangle are
   a) Acute, acute, obtuse   b) acute, right, right
   c) right, abtuse, acute   d) acute, acute, right

10. An equilateral triangle is -----------
    a) An obtuse angled triangle   b) a right angled triangle
    c) An acute angled triangle   d) A Scalene triangle

II. Fill in the blanks: 5x1=5

11. The numbers 29 and -------- are twin Primes.

12. The HCF of two successive even numbers is ---------

13. 250 ml + $\frac{1}{2}$ l = ------------ l

14. In an Isosceles triangle --------------- angles are equal.

15. ----------- diagram for both Numberic and Algebraic expression.

III. Match the following: 5x1=5

16. 9.55   -   Quarter past 4
17. 4.15   -   5 minutes to 10
18. No sides are equal   -   Isoscles Triangle
19. Two sides of equal length   -   Equilateral Triangle
20. All sides are equal   -   Scalene Triangle

TPR/M/6/Mat/1

PART - II

IV. Answer any 10 of the following.   10x2=20

21. Write the smallest and the biggest Two digit Prime number.
22. Find the HCF of the number 40 and 56 by division method.
23. Find the Ratio of the HCF and the LCM of the number 18 and 30.
24. Murali has a bag that weight 3kg and 450g. What is its weight in gram.
25. Convert into Indicated Units
    i)   10 *l* and 50 m*l* into m*l*   ii)   300 mg into g.
26. Geetha brought 2*l* and 250 m*l* of water in a bottle her friend drank 300 m*l* from it how much of water is remaining in the bottle?
27. Change the following into 12 hour format
    i)   21:10 Hours   ii)   11:20 hours
28. Calculate the duration of time.
    i)   From 5:30 am to 12:40 pm   ii)   From 20:00 hours to 4:00 hours
29. A table is bought for ₹4500 and sold for ₹4800. Find the profit (or) loss.
30. Rani Bought a set of bangles for ₹310. Her neighbour like it most. so, Rani sold it to her for ₹325 Find Profit (or) Loss to Rani.
31. Can a Triangles be formed with 7cm, 7cm and 7 cm as its sides?
32. Can a triangles be formed with the anglesz 80º, 30º, 40º?
33. In one year a paper company had sold 6, 25, 610 notebook out of a stock of 7,50,800 notebooks. Find the notebook left.

PART - III

V. Answer any 5 of the following: 5x3=15

34. Prime Factorisation of each numbers by factor free method and division method.
    a) 144   B)   198
35. The LCM of two numbers is 432 and their HCF is 36. If one the number is 108, then the find the other numbers.
36. Priya bought 22½ Kg of Onion, Krishna bought $18\frac{3}{4}$ Kg of Onion and Sethu bought 9 Kg 250 g of Onion. What is the total weight of Onion did they buy?
37. Mala's date of birth is 20 -11-1999. What is her age on 05-10-2018?
38. Wheat is being sold at ₹1550 per bag of ₹25kg at a profit of ₹150 find the cost price of the wheat bag.
39. A man buys a chairs for ₹1500. He wants to sell it at a profit of ₹250 after making a discount of ₹100. What is the M.P of the chairs.
40. Can a triangles be formed with the following sides? If yes, name the type of triangles.
    i)   8cm, 6 cm, 4 cm   ii)   9cm, 4cm, 5cm
41. Convert into a Tree diagram.
    $\{[(10\times5)+6]\times[5+(6-2)]\} \div [8\times(4+2)]$

PART - IV

VI. Answer any one of the following.   1x5=5

42. Construct a line perpendicular to the given line through a point above it.

(OR)

43. Draw a line and mark a point R below it at a distance of 5.4 cm through R draw a line parallel to the given line.

TPR / M/ 6 / Mat /2