Roll no: 03

Register Number

Class : 6

SECOND TERM - SUMMATIVE ASSESSMENT(SA) - 2024 - 25
MATHEMATICS
PART - I

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

I.   Choose the correct Answer.   10x1=10

1.   Which of the following numbers is not a Prime?
     a) 53   b) 6   c) 97   d) 71

2.   The number 67840 is divisible by
     a) 2 only   b) 3 Only   c) 11 Only   d) All of these

3.   Which of the following cannot be the HCF of two numbers Whose LCM is 120?
     a) 60   b) 40   c) 80   d) 30

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

5.   Every day 150 *l* of water is sprayed in the Garden, water Sprayed in a week is ----------
     a) 700 *l*   b) 1000 *l*   c) 950 *l*   d) 1050 *l*

6.   3 weeks = ---------------- days.
     a) 21   b) 7   c) 14   d) 28

7. $2\frac{1}{2}$ years is equal to ---------- months.
     a) 25   b) 30   c) 24   d) 5

8.   Discount is subtracted from ------------- to get S.P
     a) M.P   b) C.P   c) Loss   d) Profit

9.   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

10. If all angles of a triangle are less than a right angle, then it is called ---------
     a) An obtuse angled Triangle   b) A right angled triangle
     c) An isosceles right angled Triangle   d) An acute angled triangle

II. Fill in the Blanks.   5x1=5

11. The numbers 29 and ---------- are twin Primes.
12. If the LCM of 3 and 9 is 9, then their HCF is ----------
13. 450 m*l* x 5 = ---------- *l* ----------m*l*
14. Profit = selling Price - ----------------
15. Sum of three angle is ----------------

III. Match the following.   5x1=5

16. 600 m*l* + 400 m*l*   -   Marked price - Selling price
17. 50 kg + 100 g   -   Equilateral triangle
18. 07.45   -   500 g
19. Discount   -   1 *l*
20. All sides are equal   -   Quarter to 8
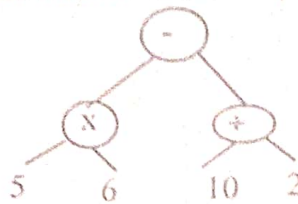
PART - II

IV. Answer any 10 of the following. Q.No.35 is compulsory.   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 LCM of set of numbers 30, 40, 60 using Prime Factorisation method.
24. A flag pole is 5m 35cm long. What is the length of the flag pole in cm?

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25. Geetha brought 2 l and 250 ml of water in a bottle. Her friend drink 300 ml from it. How much of water is remaining in the bottle?

26. Subtract 10 hours 20 minutes 35 seconds from 12 hours 18 minutes 40 seconds.

27. Sugan bought a jeans pant for ₹750. it did not fit him. He sold it to his Friend for ₹710. Find the Profit or loss to sugan.

28. Muthu has a car worth ₹8,50,000 and he wants to sell it at a profit of ₹25,000. What should be the Selling price of the Car?

29. Amutha Marked her home product of Pickle as ₹300 per pack. but she sold it for only ₹275 per pack. What was the discount offered by her per pack?

30. Can a Triangle be formed with the angles 90º, 55º, 35º If it is Possible then mention the type of the Triangle.

31. I am a closed figure with each of my three angles is 60º Who am I?

32. Convert into a Tree Diagram (9x5) + (10x12)

33. Convert the given Tree Diagrams into numerical Expressions.

34. Convert the Algebraic expression (xxy) - (y x z) into tree diagrams.

35. Convert 25200 seconds into hours.

PART - III

V. Answer any five of the following questions. Q.No. 43 is compulsory.   5x3=15

36. I am a two digit Prime number and the sum of my digits is 10. I am also one of the Factors of 57. Who am I?

37. What is the Greatest possible volume of a vessel that can be used to measure exactly the volume of milk in cans (in full capacity) of 80 litres, 100 liters and 120 litres?

38. In a school, 200 litres of Lemon Juice is prepared. If 250 ml lemon Juice is given to each student, how many students get the juice?

39. If 11th of January 2018 is thursday what is the day on 20th July of the Same year?

40. Somu bought a second hand bike for ₹28,000 and spent ₹2000 on its repair. He sold it for ₹30,000 find his profit or Loss.

41. A man buys a chair for ₹1500. He wants to sell it at a profit of ₹250 after making a discount of ₹100. What is the Marked price of the Chair?

42. Convert the following numerical Expressions. [(4x3)÷2] + [8x(5-3)] in to Tree diagram.

43. A man bought 75 mangoes for ₹300 and sold 50 mangoes for ₹300 if he sold all the mangoes at the same Price, find his Profit or Loss.

PART - IV

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

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

(OR)

b) Draw a line segment AB= 6.5cm. and mark a Point M above it. Through M draw a line Parallel to AB.

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