

Class : 6Register
Number**SECOND TERM - SUMMATIVE ASSESSMENT(SA) - 2022-23**

Time Allowed : 2.00 Hours]

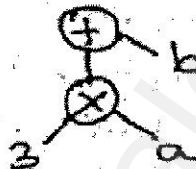
MATHEMATICS

[Max. Marks : 60

PART - I**I. Choose the correct Answer.**

5x1=5

1. The only even prime number is ----
(a) 4 (b) 6 (c) 2 (d) 0
2. 9m 4cm is equal to ----
(a) 94 cm (b) 904 cm (c) 9.4 cm (d) 0.94 cm
3. 'Over head process' is always included in ----
(a) S. P (b) C. P (c) Profit (d) Loss
4. 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
5. Numerical expression of the tree diagram
(a) $3 + (ab)$ (b) $(3 \times a) + b$
(c) $3 \times (a + b)$ (d) $(3 + a) \times b$

**II. Fill in the Blanks.**

5x1=5

6. The sum of distinct prime factors of 30 is ----
7. The HCF of 45 and 75 is ----
8. $20 \text{ l} - 1 \text{ l} = 500 \text{ ml} = \text{----} \text{ l} - \text{----} \text{ ml}$
9. Selling price ---- cost price = ----
10. The sum of three angles of a triangle is ----

III. Match the following.

5x1=5

11. Leap Year - scalene triangle
12. 1 year - equilateral triangle
13. LOSS - 365 days
14. No sides are equal - 366 days
15. All sides are equal - cost price — selling price

IV. Say True or False.

5x1=5

16. Every natural number is either prime or composite.
17. The LCM of two successive numbers is the product of the numbers.
18. Vanmathi bought 4 books each weighting 500g. Total weight of 4 books is 2 kg.
19. Meena a bought 250 ml of butter milk which is equal to 2.5ml.
20. The HCF of two numbers is always a factor of their LCM.

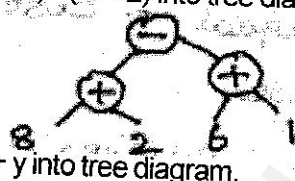
PART - II**V. Answer any 10 of the following. Q.No.35 is compulsory.**

10x2=20

21. Write the smallest and the biggest two digit prime number.
22. Find the HCF of the numbers 40 and 56 by division method
23. Find the LCM of 30, 40 and 60 by using prime factorisation method.

CH/6/Mat/1

24. Janaki bought 650 mg of a tablet, what is its weight in gram?
25. Geetha bought 2l and 250 ml of water in a bottle her friend drank 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. 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
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. Nathan paid ₹ 800 and bought 10 bottles of honey from a village vendor. He sold them in a city for ₹100 per bottle. Find his profit or loss.
30. Can a triangle be formed with the angles 90° , 55° and 35° . If yes name the type of triangle?
31. I am a closed figure with each of my three angles is 60° . Who am I?
32. Convert the numerical expression $(3 \times 5) - (4 \div 2)$ into tree diagram.
33. Convert the tree diagram into numerical expression.
34. Convert the algebraic expression $5x + y$ into tree diagram.
35. Convert 25200 second into hours.



PART - III

VI. 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. Find the HCF and LCM of the numbers 154, 198 and 286.
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. Find the number of days between the Republic day and Kalvi Valarchi Day in 2020.
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. Mangai bought a cell phone for ₹ 12585 . It fell down she spent ₹ 500 on its repair. She sold it for ₹7500. find her profit or loss.
42. Convert the numerical expression $[(4 \times 3) \div 2] + [8 \times (5 - 3)]$ into tree diagram
43. A fruit seller bought a dozen apples for ₹ 84. 2 apples got rotten. If he has to get a profit of ₹ 16, find the S.P of each apple.

PART - IV

VII. Answer any One of the following.

1x5=5

44. a) Draw a line segment $AB = 7$ cm and mark a point P on it Draw a line perpendicular to the given line segment at p.
- (OR)
- b) Draw a line segment $AB = 6.5$ cm and mark a point M above it. Through M draw a line parallel to AB.