

HALF YEARLY EXAMINATION - 2022

STD - VI

TIME : 2.30 Hrs

MATHS

MARKS : 60

I. Choose the correct answer.

5 x 1 = 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. 2 days = hours
a) 38 b) 48 c) 28 d) 40
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. Identify the parallel lines in English alphabets
a) A b) E c) T d) X

II. Fill in the blanks.

5 x 1 = 5

6. The numbers 29 and are twin primes.
7. $250 \text{ ml} + \frac{1}{2} \text{ l} = \dots\dots\dots \text{ l}$
8. Discount = M.P -
9. The sum of three angles of a triangle is
10. diagram for both numeric and algebraic expressions.

III. True or false

5 x 1 = 5

11. The smallest odd natural number is 1.
12. $4m + 3cm = 7m$
13. If C.P < S.P. there is Profit.
14. A triangle can be formed with the angles 80° , 30° , 40° .
15. $(x - y) + z$ and $x - (y + z)$ algebraic expressions are equal.

VI. Match the following

5 x 1 = 5

- | | | |
|--------------------|---|------------------|
| 16. Perfect number | - | 50th anniversary |
| 17. 1 tonne | - | 5 minutes to 10 |
| 18. Profit | - | 1000 kg |
| 19. 09.55 | - | C.P < S.P |
| 20. Golden Jubilee | - | 6 |

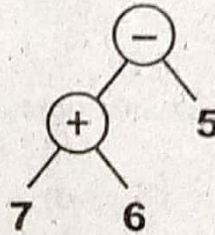
V. Answer any 10 questions.

10 x 2 = 20

21. Find the HCF of the numbers 40 and 56 by division method.
22. Find the LCM of number using Prime factorisation method. 18, 30
23. The LCM of two numbers is 432 and their HCF is 36. If one of the numbers is 108, then find the other number.
24. Malarkodi bought 650mg of a tablet. What is its weight in gram?
25. Change the following into 12 hour format. i) 08:45 hours ii) 21:10 hours
26. Calculate the duration of time from 5.30 am to 12.40 pm

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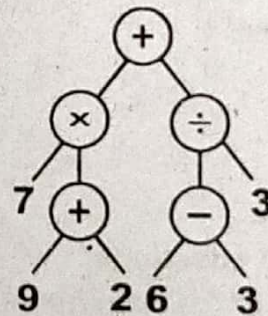
27. A table is bought for Rs.4500 and sold for Rs.4800. Find the Profit or Loss.
28. Saritha bought 6m and 40cm of cloth for herself and 3m and 80cm of cloth for her sister. What was the total length of the cloth bought by her?
29. Pari bought a Motor cycle for Rs.55,000 and he gained Rs.5500 on selling the same. What is the selling price of the Motor cycle?
30. Can a triangle be formed with 7cm, 10 cm and 5 cm as its sides?
31. Can a triangle be formed with angles 60° , 40° , 42° ?
32. Convert into Tree diagram. $(9 \times 5) + (10 \times 12)$
33. Convert the tree diagram into numerical expressions.



VI. Answer any 5 questions.

$5 \times 3 = 15$

34. Find the Prime factorisation of each number by factor tree method and division method.
a) 36 b) 60
35. Find the smallest number that can be divided by 254 and 508 which leaves the remainder 4.
36. Convert the following : a) 4 hours into minutes b) 240 minutes into hours
c) 3600 seconds into hours.
37. A child needs 100g vegetables per day. How many kg of vegetables will be needed for a school of strength 90.
38. A fruit seller bought 2 dozen bananas at Rs.20 a dozen and sold them at Rs.3 per banana. Find his gain or loss.
39. Classify and write triangles based on sides and angles.
40. In the flower exhibition conducted at Ooty for 4 days the number of tickets sold on the first, second, third and fourth day are 1,10,010 ; 75,070 ; 25,720 and 30,636 respectively. Find the total number of tickets sold.
41. Convert the Tree diagram into a numerical expression.



VI. Answer the following.

$1 \times 5 = 5$

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