

HSL

SECOND TERM EXAMINATION - 2022

6 - Std

MATHS

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Time : 2.00 Hrs

Mark : 60

I Choose the correct answer.

10 X 1 = 10

- Which of the following numbers is not a prime?
a) 53 H.C.F. b) 92 c) 97 d) 71
- Find the G.C.D. of 3 and 9 (if their LCM is 9.)
a) 3 b) 9 c) 27 d) 1
LCM x HCF = 1
3 | 3, 9
3 | 1, 3
1, 1
- 1006 is equal to
a) 1kg 6 g b) 10 kg 6 g c) 100 kg 6 g d) 1 kg 600 g
- 24 hours format of 3.1 pm is
a) 15.15 hours b) 8.16 hours c) 3.15 a.m d) none of these
- 2 1/2 years = months
a) 25 b) 30 c) 24 d) 5
- 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
- If the cost price of an article is Rs. 3000 and the profit is Rs. 500, the selling price is
a) 2500 b) 3500 c) 3050 d) 2050
- If the three sides of a triangle are equal then it is a
a) acute angled triangle b) scalene triangle
c) equilateral triangle d) obtuse angled triangle
- LCM of 5 and 7 is
a) 35 b) 70 c) 1 d) 57
- The angles of a right-angled triangle are
a) acute, Acute, Obtuse b) Acute Right, Right
c) Right, Obtuse, Acute d) Acute Acute, Right

II Fill in the blanks.

6 x 1 = 6

- The G.C.D. of 15 and 45 are
- 580 minutes = hours.
- 3 weeks = days.
- Discount = M.P. -
- The sum of three angles in a triangle is
- The factors of 45 are

III Say true or false.

6 x 1 = 6

- The H.C.L. of two numbers is always a factor of their LCM.
- Pugazhenthí ate 100g of nuts which is equal to 0.1 kg.
- $4m + 3m = 7m$.
- If the angles of an equilateral triangle are also equal.
- Number of ordinary years between two consecutive leap years is 3.
- The G.C.D. of 17 and 18 is 1.

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IV Match the following.

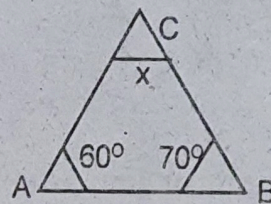
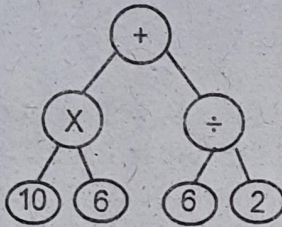
$5 \times 1 = 5$

23. Even Prime number - S.P. - C.P.
 24. 6m 25cm - 2
 25. 17 hours - 48 hours
 26. Profit - 5.00 Pm
 27. 2 days - 625 cm

V Answer any 5 of the following.

$5 \times 2 = 10$

28. Factorise 60 using factor tree method.
 29. Find the value of A if, the greatest 2 digit number 2A is divisible by 2.
 30. Subtract 10 hours 18 minutes 35 seconds from 12 hours 20 minutes 40 seconds.
 31. If Guna marks his product to be sold for Rs. 335 and gives a discount of Rs. 30, find the S.P.
 32. In $\triangle ABC$, Find the value of x.



33.

Convert the tree diagram into a numerical expression.

34. Convert the numerical expression $8 + (6 \times 2)$ into tree diagram.

VI Answer any 5 of the following.

$5 \times 3 = 15$

35. Find the LCM and G.C.D. of 154, 198 and 286.
 36. Priya bought $22\frac{1}{2}$ kg of onion, Krishna bought $18\frac{3}{4}$ kg of onion and Sethu bought 9 kg 250g of onion. What is the total weight of onion did they buy?
 37. If 11th of January 2018 is Thursday, what is the day on 20th July of the same year?
 38. 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?
 39. Mangai bought a cell phone for Rs. 12585. It fell down, she spent Rs. 500 on its repair. She sold it for Rs. 7500. Find her profit or loss.
 40. Draw tree diagram for $(10 \times 9) - [(8 \times 2) + 3]$.
 41. The duration of electricity consumed by the farmer for his pumpset on Monday and Tuesday was 7 hours 20 minutes 35 seconds and 3 hours 44 minutes 50 seconds respectively. Find the total duration of consumption of electricity.

VII Answer any one of the following.

42. Draw a line segment $AB = 6.5$ cm and mark a point m lying on it through m draw a line perpendicular to AB.
 43. Draw a line and mark a point R below it at a distance of 5.4cm. Through R draw a line parallel to the given line.

$1 \times 8 = 8$