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COMMON SECOND MID - TERM TEST - 2022

Standard - VI
MATHEMATICS

Reg.No.

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Marks: 60

Time: 2.00 hrs.

5 × 1 = 5

I. Choose the correct answer:

- The only even prime number is _____.
a) 4 b) 6 c) \checkmark 2 d) 0
- Which of the following pairs is co-prime?
a) 51, 63 b) 52, 91 c) \checkmark 71, 81 d) 81, 99
- Which is the greatest? 0.007g, 70mg, 0.07cg
a) 0.07cg b) 0.007g c) \checkmark 70mg d) all are equal
- 2 days = _____ hours
a) 38 b) \checkmark 48 c) 28 d) 40
- Discount = M.P - _____
a) Profit b) \checkmark S.P c) Loss d) C.P

5 × 1 = 5

II. Fill in the blanks:

- The sum of distinct prime factors of 30 is 10.
- The HCF of two successive even numbers is 2.
- 150 kg 200g + 55kg 750g = 205 kg 950g.
- 3 weeks = 21 days.
- Discount is subtracted from M.P to get S.P.

5 × 1 = 5

III. Say True or False:

- If a number is divisible by 6, then it must be divisible by 3. (T)
- The HCF of 17 and 18 is 1. (T)
- Meena bought 250 ml of buttermilk which is equal to 2.5l. (F)
- 2½ years is equal to 30 months. (T)
- The number of distinct prime factors of 105 is 3. (F)

5 × 1 = 5

IV. Match the following :

- | | | |
|------------------------|-------------------|----|
| 16. 9.55 | - Cost price | 20 |
| 17. Leap year | - 5 minutes to 10 | 16 |
| 18. 1000 ml | - Prime number | 19 |
| 19. 13 | - 1 litre | 18 |
| 20. Over head expenses | - 366 days | 17 |

10 × 2 = 20

V. Answer any 10 of the following:

- Write the smallest and the biggest two digit prime number.
- Find the prime factorisation of 60 by factor tree method.
- Find the HCF of 18, 24 using prime factorisation method.
- The official distance of Marathon race is 42.195 km. Express this distance in metre.
- Priya bought 22½ Kg of onion, Krishna bought 18¾kg of Onion and Sethu bought 9kg 250g of onion. What is the total weight of onion did they buy?

B dtin

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VI - MATHS

26. Change 02.00 hours into 12 hour format. $1:50$
27. Convert 20 minutes into seconds.
28. A table is bought for ₹ 4,500 and sold for ₹ 4,800. Find the profit or loss. 300
29. Sujan 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.

30. Say the time in two ways.



31. Convert 24 months into years.
32. Whether 107 is divisible by 3 or not?
33. Convert 10l and 50ml into ml.

VI. Answer any 3 of the following:

$3 \times 5 = 15$

34. Find the LCM of the numbers 154, 198 and 286
35. The LCM of two numbers is 432 and their HCF is 36. If one of the number is 108, then find the other number.
36. A child needs 100g of vegetables per day. How many kg of vegetables will be needed for a school of strength 90.
37. If Wednesday falls on 20th of December 2017. What is the day on 8th June 2018? Also say the number of days between these two dates.
38. If Guna marks his product to be sold for ₹ 325 and gives a discount of ₹ 30, then find the S.P.
39. Ramya purchases some make - up items and gets the following bill.

CASH BILL				
SHANTHI FANCY STORE				
Bill No.100			Date : 15.11.2022	
S.No.	Items	Rate (in ₹)	Quantity	Amount (in ₹)
1.	Hair clip	15 each	6	90
2.	Hair pin	10 each	4	40
3.	Ribbon	12 per m	3	36
4.	Hand kerchief	25 each	2	50
	Total			216

Observe the bill and answer the following questions:

- What is the bill number?
- Mention the date of the bill.
- How many different items were purchased?
- What is the cost of an hair clip?
- What is the total cost of the ribbon?

$$\begin{array}{r}
 154 \\
 154 \\
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 308
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