

SECOND MIDTERM TEST - 2024

(2.12.24)

CLASS : 6

MATHEMATICS

TIME: 1.15 Hr

MARKS: 30

5 x 1 = 5

I. Choose the best answer

- The only even prime number is
a) 4 b) 6 c) 2 d) 0
- Which of the following pairs is co-prime?
a) 51, 63 b) 52, 91 c) 71, 81 d) 81, 99
- 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
- Number of ordinary years between two consecutive leap years is
a) 4 years b) 2 years c) 1 year d) 3 years
- 2 ½ years is equal to months.
a) 25 b) 30 c) 24 d) 5

II. Fill in the blanks

3 x 1 = 3

- The numbers 29 and _____ are twin primes.
- The HCF of two successive even numbers is _____.
- 250 ml + ½ l = l.

III. Say True or False

3 x 1 = 3

- If a number is divisible by 6, then it must be divisible by 3.
- The HCF of 17 and 18 is 1.
- Vanmathi bought 4 books each weighing 500 g. Total weight of 4 books is 2 kg

IV. Match the following.

3 x 1 = 3

- 9.55 ----- 10 minutes to 12
- 11.50 ----- quarter past 4
- 4.15 ----- 5 minutes to 10

V. Answer Any Five Questions of the following.

5 x 2 = 10

- Find the dates of any month in a calendar which are divisible by both 2 and 3.
- Find the prime factorisation of 60 by factor tree method and division method
- Find the HCF of the numbers 40 and 56 by division method.
- Find the length of the longest rope that can be used to measure exactly the ropes of length 1m 20cm, 3m 60cm and 4m.
- Geetha brought 2 l and 250 ml of water in a bottle. Her friend drank 300 ml from it. How much of water is remaining in the bottle?
- 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.
- Two pipes whose lengths are 7 m 25 cm and 8 m 13 cm joined by welding and then a small piece 60 cm is cut from the whole. What is the remaining length of the pipe?

VI. Answer Any Two Questions of the following.

2 x 3 = 6

- What is the smallest 5 digit number that is exactly divisible by 72 and 108?
- Find the HCF and the LCM of the numbers 154, 198 and 286.
- How many glasses of the given capacity will fill a 2 litre jug?
(i) 100 ml (ii) 50 ml (iii) 500 ml (iv) 1 l (v) 250 ml

TTK-6-MAT-EM-SINGLE