

SECOND MID TERM TEST - 2023

6 - Std

MATHS

YouTube/ Akwa Academy

Marks: 30

Time : 1.30 Hrs.

6×1=6

I. Fill in the blanks:

- 1) Number of ordinary years between two consecutive leap year is _____.
- 2) 3 weeks days.
- 3) $450\text{ ml} \times 5 = \text{_____ } \ell \text{ _____ } \text{ml}$
- 4) The number of prime numbers between 11 and 60 is _____.
- 5) The only even prime number is _____.
- 6) The HCF of two successive even numbers is _____.

II. Answer any five questions:

5×2=10

- 7) How many glasses of the given capacity will fill a 2 litre jug?
 - i) 100 ml _____
 - ii) 50 ml _____
- 8) The official distance of Marathan race is 42.195 Km. Express this distance in metre.
- 9) Convert: 20 minutes into seconds
- 10) Calculate the duration of time:
 - i) From 5:30 a.m to 12.40 p.m
- 11) Write the smallest and the biggest two digit prime number.
- 12) Find the dates of any month in a calendar which are divisible by both 2 and 3.
- 13) Find the LCM using prime factorisation method (i) 10, 15 (ii) 6, 9
- 14) Is 173 a prime? Why?

III. Answer any three questions:

3×3=9

- 15) A satellite is placed in its orbit in 7 hours 16 minutes 20 seconds. Calculate it in seconds.
- 16) Find the number of days between the Republic day and Kalvi Valarchi day in 2020?
- 17) Find the HCF of the numbers 40 and 56 by division method.
- 18) The LCM of two numbers is 432 and their HCF is 36. If one of the number is 108, then find the other number.
- 19) Geetha brought 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?

IV. Answer any one of the following:

1×5=5

- 20) i) Draw a line segment $AB = 7\text{ cm}$ and mark a point P on it. Draw a line perpendicular to the given line segment at P. **(OR)**
 - ii) Draw a line segment $PQ = 12\text{ cm}$. Mark two points M, N at a distance of 5 cm above the line segment PQ. Through M and N draw a line parallel to PQ.