

V6M

Virudhunagar District Common Examinations
Summative Assessment - December 2022

Standard 6

Time: 2.00 Hrs.

MATHS

Marks: 60

I. Choose the correct answer:

5×1=5

- 1) The only even prime number is _____
a) 4 b) 6 c) 2 d) 0
- 2) 3 weeks = _____ days
a) 21 b) 7 c) 18 d) 28
- 3) 1006 g is equal to _____
a) 1 kg 6 g b) 10 kg 6 g c) 100 kg 6 g d) 1 kg 600 g
- 4) Discount = Marked Price - _____
a) Profit b) Selling price c) Loss d) Cost Price
- 5) An equilateral triangle is _____
a) an obtuse angled triangle b) an right angled triangle
c) an acute angled triangle d) a scalene triangle

II. Fill in the blanks:

5×1=5

- 6) The difference between two successive odd number is _____
- 7) If the LCM of 3 and 9 is 9 then their HCF is _____
- 8) 2 days = _____ hours.
- 9) Over head expenses is always included in _____
- 10) Sum of three angles of a triangle _____.

III. Write true or false:

5×1=5

- 11) If a number is divisible by 6 then it must be divisible by 3.
- 12) Meena bought 250 m ℓ of butter milk which is equal to 2.50 ℓ.
- 13) A pair of Prime numbers whose difference is 2 is called twin primes.
- 14) The number 57 and 69 are coprimes.
- 15) 5 pm is denoted as 17.00 hours.

IV. Match the following:

5×1=5

- 16) 09.55 - a) 20 minutes past 2
- 17) 11.50 - b) Quarter past 4
- 18) 04.15 - c) Quarter to 8
- 19) 07.45 - d) 5 minutes to 10
- 20) 02.20 - e) 10 minutes to 12

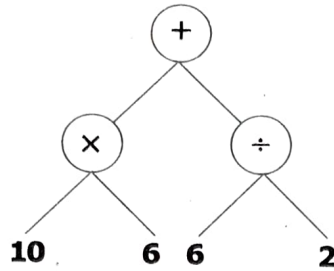
V. Answer any 6 of the following:

6×2=12

- 21) Find the prime factorisation of a number 60 by factor tree method.
- 22) Find the HCF of 40 and 56.
- 23) A flag pole is 5 m 35 cm long. What is the length of the flag pole in cm?
- 24) Convert the 20 minutes into seconds.
- 25) Pari bought a motor cycle for Rs.55000 and he gained Rs.5500 on selling the same. What is the selling price of the motor cycle?

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- 26) Can a triangle be formed with 8 cm, 3 cm and 4 cm as its sides.
 27) Convert into a Tree diagram $(9 \times 5) + (10 \times 12)$
 28) Convert the tree diagram into a numerical expression

**VI. Answer any 6 of the following:****6×3=18**

- 29) The LCM of two numbers is 432 and their HCF is 36. If one of the number is 108 then find the other number.
 30) Find whether the number 564872 is divisible by 88.
 31) In a school 200 litres of lemon juice is prepared. If 250 ml lemon juice is given to each student, how many students get the juice?
 32) Malar's date of birth is 20.11.1999. What is her age on 05.10.2018?
 33) A shopkeeper buys three articles for Rs. 325, Rs. 450 and Rs. 510, He is able to sell them for Rs. 350, Rs. 425 and Rs. 525 respectively. Find the gain or loss to the shopkeeper on the whole.
 34) If one angles of an isosceles triangle is 70° then find the possibilities for the other two angles.
 35) In one year a paper company had sold 6,25,610 note books out of a stock of 7,50,800 note books. Find the number of note books left unsold by tree diagram method.
 36) Convert into a tree diagram. $[(9-4) \times 8] + [(8+2) \times 3]$

VII. Answer the two:**5×2=10**

- 37) Draw a line segment $AB = 7$ cm and mark a point P on it. Draw a line perpendicular to the given line segment at P.
 38) Draw a line segment measuring 7.8 cm mark a point B above it at a distance of 5 cm through B draw a line parallel to the given line segment.
