

Ts6M

**Tenkasi District Common Examinations**  
**Summative Assessment - December 2022**



**Standard 6**

**MATHS**

Time: 2.00 Hrs.

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) 14                      d) 28
- 3) Overhead expenses is always included in  
a) S.P                      b) C.P                      c) Profit                      d) Loss
- 4) The angles of a right angled are  
a) acute, acute, obtuse                      b) acute, right, right  
c) right, obtuse, acute                      d) acute, acute, right
- 5) 9m 4cm is equal to  
a) 94 cm                      b) 904 cm                      c) 9.4 cm                      d) 0.94 cm

**II. Fill in the blanks:****5×1=5**

- 6) The HCF of two successive even number is \_\_\_\_\_.
- 7)  $20 \text{ kg} \div 50 \text{ g} =$  \_\_\_\_\_.
- 8) Discount = M.P - \_\_\_\_\_.
- 9) The sum of three angles of a triangle is \_\_\_\_\_.
- 10) The numbers 29 and \_\_\_\_\_ are twin primes.

**III. Say True or False:****5×1=5**

- 11) Every natural number is either prime or composite.
- 12) Pugazhenthii ate 100g of nuts which is equal to 0.1kg.
- 13) If  $C.P > S.P$  then there is no profit or loss.
- 14) An equilateral triangle is an acute angled triangle.

- 15)  can be written as  $pq$ .

**IV. Match the following:****5×1=5**

- |                         |   |                       |
|-------------------------|---|-----------------------|
| 16) 9.55                | - | 20 minutes part 2     |
| 17) 2.20                | - | Right angled triangle |
| 18) All sides are equal | - | 5 minutes to 10       |
| 19) One right angle     | - | Scalene triangle      |
| 20) No sides are equal  | - | Equilateral triangle  |

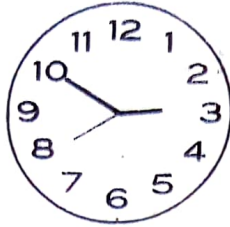
**V. Answer any ten of the following questions:****10×2=20**

- 21) Find the prime factorisation of 144 by factor tree method.
- 22) Find the LCM of 10 and 15.
- 23) Write the smallest and the biggest two digit prime number.
- 24) Convert 398 days into year.
- 25) 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?

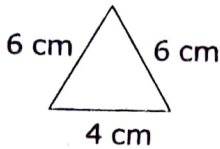
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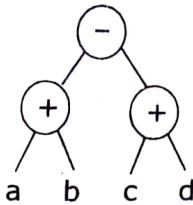
26) Say the time in two ways?



- 27) Somu bought a second hand bike ₹ 28,000 and spent ₹ 2,000 on its repair. He sold it for ₹ 30,000. Find his profit or loss.
- 28) A table is bought for ₹ 4,500 and sold for ₹ 4,800. Find the profit or loss.
- 29) If two angles of the triangles are  $120^\circ$ ,  $30^\circ$ . Find the third angle.
- 30) Classify the triangle based on its sides.



- 31) Convert  $3a+b$  into Tree diagram.
- 32) Convert into algebraic expression.



33) Can a triangle be formed with 8 cm, 6 cm and 4 cm?

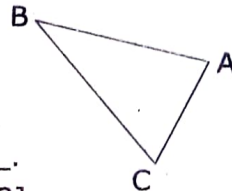
**VI. Answer any five of the following questions:**

**5×3=15**

- 34) Find the HCF of the numbers 154, 198 and 286.
- 35) Find the smallest number that can be divided by 254 and 508 which leaves the remainder 4.
- 36) Convert the following:  
i) 5 l into ml    ii) 6253 m into km    iii) 6.5 kg into g
- 37) Valavan bought 24 eggs for ₹ 96. Four of them were broken and also he had a loss of ₹ 36 on selling them. What is the selling price of one egg?
- 38) Mala date of birth is 20.11.1999. What is her age on 05.10.2018?
- 39) A fruit seller bought 2 dozen bananas at ₹ 20 a dozen and sold them at ₹ 3 per banana. Find his gain or loss.

40) In  $\triangle ABC$  name

- i) Three sides \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.
- ii) Three angles \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.
- iii) Three vertices \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.



41) Convert into a tree diagram  $(10 \times 9) - [(8 \times 2) + 3]$ .

**VII. Answer any one of the following question:**

**1×5=5**

- 42) Construct a line perpendicular to the given line at a point on the line.
- 43) Draw a line segment measuring 7.8 cm. Mark a point B above it at a distance 5 cm. Through B draw a line parallel to the given line segment.