

Tsi6M

Tenkasi District

Second Summative Assessment, December - 2024



16-12-24

Time: 2.00 Hours

Standard 6**MATHS****Part - I**

Marks: 60

I. Choose the correct answer.**5x1=5**

- 1) The difference between two successive odd number is
 - a) 1
 - b) 2
 - c) 3
 - d) 0
- 2) 7 km - 4200 m is equal to
 - a) 3 km 800 m
 - b) 2 km 800 m
 - c) 3 km 200 m
 - d) 2km 200 m
- 3) 'Overhead expenses' is always included in
 - a) S.P
 - b) C.P.
 - c) Profit
 - d) Loss
- 4) An equilateral triangle is
 - a) an obtuse angled triangle
 - b) a right angled triangle
 - c) an acute angled triangle
 - d) a scalene triangle
- 5) What time will it be 5 hours after 22:35 hours?
 - a) 2:30 hours
 - b) 3:35 hours
 - c) 4:35 hours
 - d) 5:35 hours

II. Fill in the blanks.**5x1=5**

- 6) 3753 is divisible by 9 and hence divisible by
- 7) The HCF of two successive even numbers is
- 8) $50 \text{ kg} \div 100 \text{ g} = \dots\dots\dots$
- 9) Marked price - Discount =
- 10) A right angled triangle with two equal sides is called

III. Say True or False**5x1=5**

- 11) Every natural numbers is either prime or composite
- 12) The HCF of 17 and 18 is 1
- 13) Meena bought 250 ml of buttermilk which is equal to 2.5l
- 14) There is no profit or loss when c.p = s.p
- 15) The sum of three angles of a triangle is 180°

IV. Match the following:**5x1=5**

- 16) 02.20 - 1 tonne
- 17) 11.40 - 2m 20cm
- 18) 2.54 cm - 20 min to 12
- 19) 1000 kg - 20 min past 2
- 20) 220 cm - 1 inch

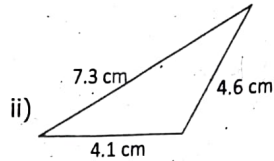
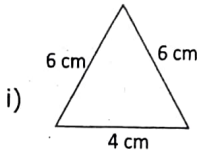
V. Answer any ten of the following questions.**10x2=20**

- 21) Find the prime factorisation of 128 by factor tree method.
- 22) Find the ratio of the HCF and the LCM of the numbers 18 and 30
- 23) Find the smallest number which is exactly divisible by all the numbers from 1 to 9
- 24) The average rainfall of Tamilnadu is 998mm. Convert it into cm
- 25) Change the following into 12 hours format
 - i) 21:10 hours
 - ii) 00:00 hours
- 26) Convert 480 days into years
- 27) A table is bought for ₹4500 and sold for ₹4800. Find the profit or loss
- 28) If Guna marks his product to be sold for ₹325 and gives a discount of ₹30, then find the s.p
- 29) A man bought 400 metre of cloth for ₹60,000 and sold it at the rate of ₹400 per metre. Find his profit or loss

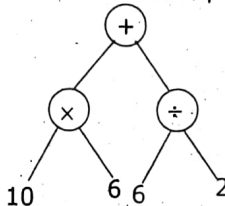
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- 30) Can a triangle be formed with 9cm, 4cm and 5cm as its sides?
 31) Is a triangle possible with the angles 90° , 90° and 0° ? why?
 32) Classify the following triangles based on its sides and angles.



- 33) Convert the Tree diagram into a numerical expression



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- 34) Convert $4x + 5y$ into Tree diagram
 35) Calculate the duration of time from 17:00 hours to 5:15 hours

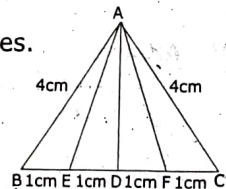
VI. Answer any five of the following questions.

5x3=15

- 36) Find A as required:
 i) The greatest 2 digit number 9A is divisible by 2
 ii) The number A08 is divisible by 4 and 9
 iii) The number 225A85 is divisible by 11
 37) In an apartment consisting of 108 floors, two lifts A = B starting from the ground floor stop at every 3rd and 5th floors respectively. on which floors, with both of them stop together?
 38) Convert into lower units: 15km (m, cm, mm)
 39) A post office functions from 10 a.m to 5.45 p.m with a lunch break of 1 hour. If the post office works for 6 days a week, find the total duration of working hours in a week
 40) Fill up the appropriate boxes in the following table

S.No.	C.P in ₹	M.P in ₹	S.P in ₹	Discount in ₹	Profit in ₹	Loss in ₹
i)	110	130		Nil		
ii)	110	130		10		
iii)		120		10	20	Nil

- 41) A fruit seller bought 2 dozen bananas at ₹30 a dozen and sold them at 5 per banana. Find his gain or loss.
 42) Study the given figure and identify the following triangles.
 i) equilateral triangle
 ii) acute triangle
 iii) right triangles
 43) Convert into a Tree diagram: $[(6 + 4) \times 7] \div [(2 \times (10 - 5))]$



VII. Answer any one of the following questions.

1x5=5

- 44) a) Draw a line and mark a point R at a distance of 4.8 cm above the line. Through R draw a line parallel to the given line.

(OR)

- b) Draw a line segment AB=7cm and mark a point P on it. Draw a line perpendicular to the given line segment at P.
