TNJR   Reg.No. ☐☐☐☐☐☐

COMMON SECOND TERM SUMMATIVE TEST - 2019
STANDARD - VI

Time : 2.00 hrs   **Maths**   Marks: 60

I.   **Choose the correct answer:**   10 x 1 = 10

1.   The addition of two odd number is
     a) prime   b) composite   c) even   d) odd

2.   A number which has 1 and itself as factors is ....
     a) Natural number   b) prime numbmer   c) odd number   d) whole number

3.   The L.C.M. of 3, 5 is ....
     a) 15   b) 25   c) 40   d) 5

4.   1 K.M. =............ metres.
     a) 500 m   b) 200 m   c) 100m   d) 1000m

5. $\dfrac{526}{1000}\ell$ = ... ℓ a) 52.6ℓ b) 52.6ℓ c) 0.526ℓ d) 0.0526ℓ

6.   500Kg ÷ 10 = ...
     a) 5Kg   b) 50Kg   c) 5000Kg   d) 500Kg

7.   12 Midnight = ... hours (Railway time)
     a) 12 hours   b) 6 hours   c) 24 hours   d) 9 hours

8.   If C.P. Rs. 50/-, S.P. c Rs. 60/- then profit = ...
     a) 5 Rs.   b) 20 Rs   c) 10 Rs   d) 25 Rs

9.   If the angles of a triangle is 80°, 60°, then the third angle is ....
     a) 40°   b) 30°   c) 20°   d) 10°

10. In a triangle if one angle is 110° then it is called a .... triangle.
     a) obtuse angled   b) right angled   c) acute angled   d) scalene

II. **Fill in the blanks:**   5 x 1 = 5

11. (3, 5 is .... paris.

12. The number of factors for 15 is ....

13. The H.C.F. of 13, 15 is ....

14. 5m 14 cm = ... cm.

15. Discount = M.P. - ....

III. **Match the following:**   5 x 1 = 5

16. 125   - 1 km

17. 1000 m   - 24 hours

18. 1 day   - 17:00 hrs

19. 5.00 P.M.   - Equilateral triangle
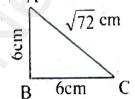
20. 5 cm, 5 cm, 5cm   - Composite number

IV. **Answer any ten of the following questions:**   **10 x 2 = 20**

21. Find the L.C.M. of 8, 12

22. Convert into cms : 5m 35 cm

23. If the consumption of water in a house is 30 ltrs. then the consumption in a week is how much?

24. Convert into 12 hours format - 21 : 10

25. Find the value of 2m - 1, when m = 3

26. Identify the type of the year 1965.

27. If C.P. = Rs. 100, profit = Rs. 20, then find S.P?

28. Find the 3rd angle of a triangle whose angles are 75º, 35º

29. Can we draw a trianglel with sides 6 cm, 7 cm, 14 cm, justify your answer.

30. Identify the type of triangle for △ABC.

31. A table which was purchased at Rs. 4500/- was sold at Rs. 4800/-, find the amount of profit or loss.

32. If 1kg cost is Rs. 48 find the cost of 2 1/2 kgs.

33. Convert 38 months into years.

34. Find the number of days from June 14 to July 20.

35. How many times a 100ml container's water should be poured to fill 3l jar?

Figure for Q30: Triangle ABC with A at top, B at bottom-left, C at bottom-right; $\sqrt{72}$ cm on hypotenuse AC, 6cm on side AB, 6cm on side BC.

V. **Answer any five of the following questions**   **5 x 3 = 15**

36. In a monthly calender identify the dates that are both divisible by 2 and 3.

37. find the L.C.M. and H.C.F. of 30, 40, 60.

38. If the present height of Thenmozhi is 125cm and she grows 5cms every year, find her height after 6 years.

39. Convert 480 days into weeks and 38 months into years.

40. Find the C.P. of Elamathi's gold chain which when sold for Rs.20,000/- gave a profit of Rs.3000/-?

41. Find the S.P. a seller who bought a chair for Rs. 1500/- and has to get a profit of Rs. 250/- on a discount of Rs. 100/-

42. Identify the type of the following triangles:

     i) 45º, 45º, 90º   ii) 100º, 50º, 30º.

43. Do prime factorisation for 385 and draw a factor tree.

VI. **Answer any one of the following questions:**   **1 x 5 = 5**

44. Draw a line setment of length 7.8 cms and mark a paint B above this line at a distance of 5cms and draw a parallel line through B.

45. Draw a tree diagram for 6 times a and 7 less.