

COMMON SECOND TERM SUMMATIVE EXAMINATION - 2019**STANDARD - VI**Reg. No.

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Time : 2.00 hours**MATHEMATICS****Marks: 60****I. Choose the best answer:****10×1=10**

1. Which is twin primes?
a) (17, 19) b) (23, 29) c) (31, 37) d) (41, 47)
2. The greatest 4 digit number which is exactly divisible by 8, 9 and 12 is
a) 9999 b) 9996 c) 9696 d) 9936
3. 1 metre is equal to
a) 1000 cm b) 100 cm c) 10 cm d) 0.1cm
4. Which one of the following is Leap year?
a) 2015 b) 2014 c) 2013 d) 2012
5. Discount = Marked price - _____.
a) Profit b) Selling price c) Loss d) Cost price
6. Goods and service Tax is called as
a) IT b) VAT c) GST d) ISI
7. The Total number of right angle in a right angled triangle = _____.
a) 1 b) 2 c) 3 d) 0
8. Every angle is an equilateral Triangle = _____.
a) 50° b) 100° c) 180° d) 60°
9. Which method is used by the computer for numeric calculations.
a) Tree diagram b) Mind Map c) Branch diagram d) Linear graph
10. HCF of 40 and 56 is
a) 40 b) 56 c) 8 d) 4

II. Answer any 8 of the following:**8×2=16**

11. Write first ten prime numbers.
12. Find the LCM of 18 and 24.
13. A child needs 100g of vegetables per day. How many kg of vegetables will be needed for a school of strength 70.
14. Change into 24 hour format :
i) 12.35 p.m. ii) 3.15 a.m
15. If Guna Marks his product to be sold for Rs. 325 and gives a discount of Rs. 30, the find the S.P.
16. The cost price of a good is Rs. 90 and selling price is Rs. 70. Find profit or loss? How much?
17. Write the types of triangle based on it sides.
18. Can a triangle be formed with the sides of 5cm, 3cm and 8cm.
19. Convert into a Tree diagram. $(9 \times 5) - (10 \times 12)$

20. Selling price of a dozen apples is Rs. 84. The profit is Rs. 8. Then find the cost price of the apples.
21. From which places do you receive the cash bill for purchase.
22. How many months are in $3\frac{1}{2}$ years?

III. Answer any eight of the following:

8×3=24

23. Two angles of a triangle are 120° and 30° . Find the third angle.
24. Convert into a Tree diagram : $[(9 - 4) \times 8] + [(8 + 2) \times 3]$
25. How many angles are there in the each type of triangle based on its angles?
26. Two pipes whose lengths are 7m 25cm and 8m 13cm joined by welding and then a small piece 60cm is out from the whole. What is the remaining length pipe?
27. IF 11th of January 2018 is Thursday, what is the day on 20th July of the same year?
28. In a school, 100 litres of lemon juice is prepared. If 250 ml lemon juice is given to each student, howmany students get the juice?
29. The average rainfall of Tamilnadu is 998 mm. Convert it into cm.
30. Find the ratio of the HCF and the LCM of the numbers 18 and 30.
31. Find the prime factorisation by factor tree method and division method of 128.
32. Find the smallest number which is exactly divisible by all the numbers from 1 to 9.
33. Find the leap year of the following: 1) 2020 2) 2019 3) 2100
34. A man bought 400 meter of cloth for Rs. 60,000 and sold it at the rate of Rs. 400 per meter. Find his profit or loss.

IV. Answer the following questions:

2×5=10

35. Draw a line segment measuring 7.8cm. Mark a point B above it at a distance of 5cm through B draw a parallel to the given line segment.

(OR)

Draw a line segment. Mark a point S above it at distance of 2cm. Through S draw a parallel line.

36. Draw a line. Mark a point below it at the distance 3cm. Through that point draw a perpendicular line.

(OR)

Draw a line segment AB = 7cm and Mark a point 'P' on it. Draw a perpendicular to the given line segment at 'P'.
