Maths Test
Grade VI

Time: 2 hrs M.M.: 70

General Instructions:

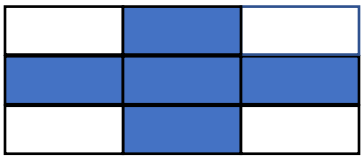
- All questions are compulsory.
- There are 4 Sections: Section A (1 mark), Section B (2 marks), Section C (3 marks), Section D (5 marks)

Section A

1. 1 million = 1 followed by _____ zeros = _____ lakh.
2. The curves which have different beginning and end points are called _____ curve.
3. If the sum of two integers is -17 and one of them is -9, then the other is _____.
4. Two perpendicular lines have a/an _____.
5. How many thousands make a lakh?
6. The place value of 7 in 57, 386 is _____.
7. I am a roman numeral. I am CMXCIX. Recognize me?
8. What is the additive identity of whole number?
9. Identify the property for the given expression:
   4815 x 44 + 4815 x 52 = 4815(44 + 52)
10. Make the smallest number from the digits 5, I, 3, 8.
11. Write all integers between -6 and 5.
12. Write 5 negative integers greater than -7.
13. Write the successor of 531010.
14. Draw a rough diagram of two angles such that they have one ray in common.

Section B

15. Estimate the sum of 12,904 and 2,888 by rounding off the number to the nearest 100.
16. Represent 4 + 7 on the number line.
17. What is the smallest 3-digit number which does not change if digits are written in reverse order.
18. Subtract the successor of 99 from the predecessor of 201.
19. Form the largest and the smallest 4-digit numbers using each of the digits 9, 3, 0, 7
20. Find the sum of 137 and -354.
21. Find the additive inverse of 186 and -976.
22. Find the integer a such that, a + 6 = 0.
23. Subtract the successor of 99 from the predecessor of 201.
24. Using the number line and find the sum of -2 and -3.

25. Rishit's photo album has 10 pages with 12 photos on each page while Suhani's album has 12 pages with 10 photos on each page. Whose album has more photos ? Also write the property used.
26. Convert the following from Hindu-Arabic to Roman Numerals and vice-versa:
    a. 999 b. 494 c. CMXLIX d. CDXCIX
27. Find the shaded part of-
    a. 
    b. 
28. Draw angles of-
    a. 92^o b. 169^o

Section C

29. Write the 3-digit numbers that can be formed using the digit 4, 0, 6 without repetition of digit. Also arrange them in descending order.
30. Draw figures of the following:
    a. An open complex curve.
    b. A regular 4-sided polygon.
    c. A concave quadrilateral.
31. Classify the angles: 90, 180, 350, 270, 89, 27
32. Using the distributive property, find the value of:
    a. 893 x 104 b. 81265 x 187 – 81265 x 87
33. There are 7 bowls, 18 grapes are placed in each bowl. If 8 grapes are taken away from each bowl, how many grapes are left in bowls?
34. a. What fraction of a day is 8 hours?
    b. Express $\frac{41}{7}$ as a mixed fraction.

Section D

35. Simplify:
    a. (-7) x (-9) + 12 x (-16)
    b. (-1) + 5 + (-6)
    c. 6 x (-8) - 11 x 13
36. a. 19625 trees have been equally planted in 157 rows. Find the number of trees in each row.
    b. Find the least 7-digit number exactly divisible by 97.