



FACULTY HIGHER SECONDARY SCHOOL
SAMPLE PAPER (2019-20)
CLASS VI
SUBJECT - MATHEMATICS
FULL MARKS: 50

SECTION-A

(Q.1 TO Q.15 carry one mark each)

1. In Roman number system, we cannot write –
 a. 0 b. 1 c. 50 d. 1 lakh
2. The smallest 5-digit number using the digits 6,4,0 and 7 is
 a. 66407 b. 00467 c. 40067
3. The predecessor of 50000 is
 a. 50001 b. 49999 c. 49000 d. 49991
4. LCM of two prime numbers is
 a. their sum b. their product c. their difference d. None of these
5. The natural number whose predecessor does not exist is
 a. 1 b. 0 c. 2
6. Write down all the factors of 30 .
7. Which is the additive identity for whole numbers ?
8. Write the integers which is 4 more than -5 .
9. How many thousands make ten lakh ?
10. Which is the only even prime number ?
11. Under which property of whole numbers , $(7+3) + 11 = 7+ (3 + 11)$.
12. What is the product of an even number and an odd number ?
13. Write down the HCF of two prime numbers ?
14. Fill up :
 Every number is a _____ of its factor
15. State true or false :
 1 million = 100 lakh

SECTION-B

(Q.16 TO Q.20 carry two marks each)

16. Write the negative description of
 a. profit of Rs 50 and
 b. deposit of Rs 1000
17. Add using suitable property
 $37 + 48 + 63$
 Ans. $37 + 48 + 63$
 $= 37 + 63 + 48$ [since order property of addition]
 $= 100 + 48$
 $= 148$
18. Write down all the co-prime numbers less than 20 .
19. Are 35 and 39 co-prime numbers ? Justify your answer.
20. Write the number name of 3658942 in Indian and International system.

SECTION-C

(Q.23 to Q.25 carry three marks each)

21. Round off 29876 to the nearest 10, 100 and 1000.

22. Simplify:

$$48 \div (16 - \overline{4+4} + 4)$$

$$\text{Ans. } 48 \div (16 - \overline{4+4} + 4)$$

$$= 48 \div (16 - 8 + 4)$$

$$= 48 \div (16 + 4 - 8)$$

$$= 48 \div (20 - 8)$$

$$= 48 \div 12$$

$$= 4$$

23. Write all the factors of 72.

24. Express 84 as a product of prime factors.

25. Evaluate:

$$(-7) - (-9)$$

SECTION-D

(Q.26 to Q.27 carry five marks each)

26. Find LCM of 75, 150, and 200 using prime factorisation. (common division method)

27. Gita writes the largest 6- digit number on the board. Sonal writes the smallest 3- digit number below the Gita's number. Their maths teacher asked Anwar to add the largest 4- digit number to the difference of the two numbers written by Gita and Sonal. What would be the answer of Anwar?

$$\text{Ans. Largest 6-digit number} = 999999$$

$$\text{Smallest 3-digit number} = \underline{\quad 100 \quad}$$

$$\text{So their difference} = 999899$$

$$\text{Now, largest 4-digit number} = \underline{\quad + 9999 \quad}$$

$$\text{So their sum} = 1009898$$

Hence the answer of Anwar would be 1009898.