Class-VI   (Syllabus and Sample Question Paper)

Number System and its Operation, Fractions and Decimals, LCM and HCF, Ratio, Proportion and Unitary Method, Algebraic Expression, Linear Equation, Percentage, Profit, Loss and Discount, Simple Interest and Compound Interest, Line, Angles and Triangles, Perimeter, Area and Volume of Geometrical Figures, Symmetry, Statistics, Mathematical Reasoning, Probability, Everyday Mathematics

The Actual Question Paper Contains 40 Questions. The Duration of the Test Paper is 60 Minutes

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1. **90 km/hr is equal to:**
    (A) 500 m/s   (B) 25 m/s   (C) 50 m/s   (D) 324 m/s
    (E) None of these

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2. **If the number $169 \times 39 \times 9$ is written in the form of n^3, where n is a natural number, then 'n' is:**
    (A) 13   (B) 39   (C) 43   (D) 59
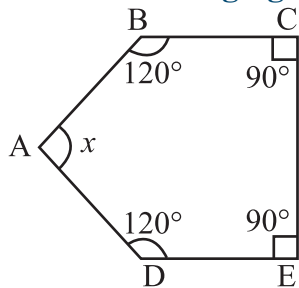   (E) None of these

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3. **Consider the following statements:**

    Statement 1: Decimal form of a fraction is greater than the decimal form of its equivalent fraction.

    Statement 2: Decimal form of a fraction is equal to the decimal form of its equivalent fraction.

    Which one of the following is correct about the above statements?
    (A) Statement 1 is true and 2 is false   (B) Both statements are false
    (C) Statement 1 is false and 2 is true   (D) Both statements are true
    (E) None of these

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4. **In the following figure find the value of x:**

    (A) 60º   (B) 120º   (C) 90º   (D) 135º
    (E) None of these

5. **The first, third and fourth term of a proportion are 40, 60 and 45 respectively, then the second term is?**

(A) 20   (B) 30   (C) 40   (D) 50

(E) None of these

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6. **The Hindu-Arabic numeral for the Roman numeral LCCXL is?**

(A) 5500   (B) 340   (C) 190   (D) 120

(E) None of these

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7. **Product of two numbers is 56 and their HCF is 4. Find their LCM.**

(A) 12   (B) 14   (C) 11   (D) 10

(E) None of these

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8. **Which one of the following statement does not represent a property of addition of whole numbers?**

(A) $58 + 33 = 33 + 58$ (B) $15 + 7$ is a whole number

(C) $599 + 0 = 5990$ (D) $5 + (4 + 3) = (5 + 4) + 3$
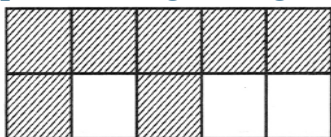
(E) None of these

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9. **Expanded form of 76483 is?**

(A) $76000+600+40+8+3$ (B) $70000+6000+400+80+3$

(C) $70600+6400+40+8+3$ (D) $70600+600+48+3$

(E) None of these

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10. **How much john paid for the cost of these articles?**

Articles	Cost
Chairs	₹2876
Night Lamp	₹98.75
Paint Brush	₹23.50
Colours	₹234.05

(A) ₹ 3465.40   (B) ₹ 3232.30   (C) ₹ 3265.10   (D) ₹ 3554.50

(E) None of these

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11. **Which one of the following is correct about the ratio form of the shaded parts to unshaded part of the given figure?**

(A) 7 : 10   (B) 7 : 3   (C) 10 : 11   (D) 5 : 11

(E) None of these

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12. **Find the value of $5 (x-y) + 4(x+y)$ if $x = 2$ and $y = 3$.**

(A) 11   (B) 10   (C) 15   (D) 14

(E) None of these

13. **Growth rate of a company is 20% per annum. What will be its assets after 5 years if its current asset is 35 crores?**

(A) 67 crores
(B) 87.09 crores
(C) 55.80 crores
(D) 60.90 crores
(E) None of these

14. **What do you mean by co-primes?**

(A) If there is no common divisor other than 1 between two numbers
(B) If there is no common divisor between two prime numbers
(C) If there are two common divisors between two prime numbers
(D) If there are three common divisors between two prime numbers
(E) None of these

15. **Find the cost of carpeting at the rate of 60 per square meter if the length and width of a hall are 50 m and 60 m respectively.**

(A) 180000
(B) 157950
(C) 155940
(D) 120000
(E) None of these

ANSWERS

1. B	2. B	3. C	4. B	5. B
6. B	7. B	8. C	9. B	10. B
11. B	12. C	13. B	14. A	15. A