

## Class Test on Expressions using Letter Numbers (Class 7)

**Full Marks: 15**

**Choose the correct option.**

$$1 \times 6 = 6$$

- 1) Write the statements "If you subtract 5 from 6 times a number, you get 7" in the form of equations:
  - a)  $6x - 5 = 7$
  - b)  $5 - 6x = 7$
  - c)  $5x - 7 = 6$
  - d)  $6x + 5 = 7$
- 2) Which of the following equations can be constructed with  $x = 2$ ?
  - a)  $3x + 4 = 8$
  - b)  $3x - 4 = 2$
  - c)  $3x + 4 = 2$
  - d)  $3x - 4 = 8$
- 3) An equation always contains:
  - a) Only numbers
  - b) Only variables
  - c) An equal sign
  - d) A greater-than sign
- 4) In the equation  $x + 5 = 9$ ,  $x$  is:
  - a) Constant
  - b) Variable
  - c) Operator
  - d) Number
- 5) Which of the following expression is the example of binomial?
  - a)  $x^2 + x + 1$
  - b)  $x^2$
  - c)  $x + 6$
  - d)  $x^3 + x + 2$
- 6) What is the coefficient of ' $x^2$ ' in the given expression:  $x^3 - 5x^2 - 2x + 6$ 
  - a) 6
  - b) -5
  - c) -2
  - d) 5

**Answer the following questions.**

- 7) Anamika thought of a number. She multiplied it by 2, added 5 to the product and obtained 17 as the result. What is the number she had thought of ? [2]
- 8) Solve:  $4 + 5(p - 1) = 34$  [2]
- 9) If  $A = 8x - 3y + 9$ ,  $B = -y - 9$  and  $C = 4x - y - 9$ , find  $A + B - C$ . [2]
- 10) Simplify the expression and find the value if  $x = -2$  and  $y = 1$  [1+2]
- $4(x + y) + 7y - 4x - 3$**

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