

UNIT TEST

ALGEBRA

CLASS : 7

TOTAL MARKS : 30

I. CHOOSE THE BEST ANSWER

5 Marks

1. _____ is a binomial.

a. $3x$

b. $6 + 3v$

c. $4m + 2n + c$

d. $x + y + z + 1$

2. The algebraic statement for '5 more than y' is _____

a. $y - 5$

b. $5y$

c. $y + 5$

d. $5 - y$

3. The value of $5v - 2$ when $v = 1$ is _____

a. 4

b. 3

c. 5

d. 7

4. The number of terms in the expression $3ab + 4c + 6$ is _____

a. 1

b. 2

c. 6

d. 3

5. $17mn + 2mn =$ _____

a. $19mn$

b. $19m^2n^2$

c. 19

d. $19 + mn$

II. FILL IN THE BLANKS

5 Marks

6. When we subtract '-d' from 'd', we have _____

7. The solution of ' $c + 7 = 12$ ' is $c =$ _____

8. If 'b' is a natural number, then _____ is its successor.

9. The addition of $4xy$, $-3xy$ and $2xy$ is _____.

10. The additive inverse of ' $5pq$ ' is _____

11. Find the sum: $u + v$, $u - v$, $-2v$

Ans: _____

12. Write the numerical co-efficients of the following terms

$2pq$, $-9a$, x , $3ab$

Terms	_____	_____	_____	_____
Numerical co-efficients	_____	_____	_____	_____

13. If $p = 2$, then find the value of

(i) $2p - 1$

(ii) $p + 2$

Ans: _____

Ans: _____

14. Select the like terms among the following:

$-3x$, $5y$, $7xy$, $-yz$, $5x$

15. Subtract ' $5v + 4w$ ' from ' $8v - 2w$ '

Ans: _____

16. Simplify: $(x + y - z) + (3x - 5y + 7z) + (14x + 7y - 6z)$

Ans : _____

17. 15 removed to thrice a whole number gives 45. Find the Number. (Form a suitable equation by using the variable 'x')

The equation = _____

The required number = _____