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. I7mn + 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 _____

III.GIVE SHORT ANSWERS 10 Marks

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: _____

IV.GIVE DETAILED ANSWERS 10 Marks

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 = _____