ASSIGNMENT NO. 12

CHAPTER- ALGEBRAIC EXPRESSIONS

CLASS- VII SUBJECT- MATHS

Q1. True / False :-

1. ( 3x – y + 5 ) – ( x + y ) is a binomial.
2. Sum of 2 and p is 2p.
3. If we add a monomial and a trinomial, then the answer can be monomial.

Q2. Select the correct answer :-

i) A binomial has:-

a) 1 term b) 2 terms c) 3 terms d) 4 terms

ii) The degree of the polynomial 2x3 y - 2xy4 +1 is:-

a) 1 b) 4 c) 3 d) 5

Q3. Write the following into algebraic language:-

1. The difference of 2x and y (x > y)

ii) A number x is doubled and 9 is added. The result is 19.

iii) 4 times x is subtracted from 18 .

Q4. Add the expressions 2x - 2y + z , 5y - 2x + 2z , 2z - 4x - 3y , 3y - 2z

Q5. Write down the coefficient of x in the following;-

a) -4bx

b) 5xyz

c) -3x2y

Q6. State whether the given pair of terms is of like or unlike terms:-

a) -7x, 5x/2

b) -5pq, 7p2q

c) -29x, -29y

d)4m2p , 4mp2

Q7. Simpify :- 12x2 +3y2 – 5xy +5x2 – y2 + 6xy - 3x2

Q8. If p = -2, then find the value of :-​

a) 7p + 3

b) -3p2 + 4p + 8

c) -2p3 - 3p2 + 4p + 9

Q9. How much does 93p2 - 55p + 4 exceed 13p3 - 5p2 + 17p - 90 ?

Q10. Find the value of following expressions for a = -3 , b = 1 :-

a) 19a - 7b

b) a2 + 2ab + b2

c) 3a + b2 - 17b

Q11. Simplify the expression 2 ( x2 - 9x ) – 3 ( 2x + 1 ) and find its value when x = -3

Q12. From the sum of 2x2 + x + 3 and 4x2 - 9x + 2 subtract -3x2 - 4x + 5

Q13. What should be taken away from 3x2 - 4y2 + 5xy + 20 to obtain

-x2 – y2 + 6xy + 20 ?