6. ALGEBRAIC EXPRESSIONS

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a. 4xy + 2xy is a _____

(bionomial, trinomial, monomial)

- b. The product of twice of 'a' and thrice of 'b' _____
- c. The constant term of 12 + 19a3b2 is _____
- d. The like terms of a^2b , $-b^2a$, $-5ba^2$, 5ab, $3a^3b$, $4ab^3$ are _____
- e. The value which satisfies an equation is called its _____
- f. Algebraic terms that have the same algebraic factors are called
- g. The numerical factor of a term is called ______
- h. A _____ is product of factors.
- i. Any expression with one or more terms is called a ______.
- j. A combination of constants and variables connected by the signs of the fundamental operations is called _____

II.

- a. (p-q) (p+q) = _____
- b. _____ should be subtracted from $3x^3$ 1 to get x^3
- c. The sum of -4pqr, 5pqr and 7pqr is _____
- d. The (x+2) + (x-2) =_____

III

- a. Find the sum of $2x^2 3y^2$, $9x^2 + 6y^2$, $-3x^2 5y^2$
- b. Subtract $(a^2 + b^2 + 2ab)$ from $(a^2 + b^2 2ab)$
- c. Write the term containing a² and find its coefficient
 - i) $16a^2 4b^2 + 10$
- ii) $22b^2 a^2$
- d. Simplify $2(x^2 + 2xy) + 5 xy y^2$
- e. Find the value of the given expressions when a=0, b=-1, c=1
 - i) $a^3 b^3$
- ii) $a^2 + 2ab + b^3$ iii) $3ab + 3ac + c^2$

iv) $\frac{5a}{10} - 4b$