



G.D.GOENKA PUBLIC SCHOOL

Subject: Mathematics (6th)

Date:12-10-2021

Chapter no. 7: Introduction To Algebra

EXERCISE 7.2

Qno2: Write the numerical coefficient, constants and number of terms for each expression.

(i) $3m^4 + 18m^2 - 21$

Sol: Numerical coefficients: 3, 18; Constant = -21 ; Number of terms: 3

(ii) $-2m^4 - 7p^2q^3 + pq^2$

Sol: Numerical coefficients: -2 , -7 , 1; Constant = 0; Number of terms: 3

(iii) $m^4n^5p^2$

Sol: Numerical coefficients: 1; Constant = 0; Number of terms: 1

(iv) $4a^2 - 2ab^2 + \frac{1}{2}b + 3$

Sol: Numerical coefficients: 4, -2 , $\frac{1}{2}$; Constant = 3; Number of terms: 4

Qno3: Identify each expression as monomial, binomial or trinomial.

(i) $5a - 3b$: Binomial

(ii) xy : Monomial

(iii) $-x^3 + xy + x$: Trinomial

(iv) 8 : Monomial

Qno4: Evaluate the following expressions.

(i) $x + y + z$ when $x = 3$, $y = 2$ and $z = 1$

Sol: $x + y + z = 3 + 2 + 1 = 6$

(ii) $3a + 5b + 2c$ when $a = 5$, $b = 3$ and $c = 6$

Sol: $3a + 5b + 2c$
 $= 3(5) + 5(3) + 2(6)$
 $= 15 + 15 + 12 = 42$

(iii) $2x - 3y + 4z$ when $x = 10$, $y = -12$ and $z = 11$

Sol: $2x - 3y + 4z$
 $= 2(10) - 3(-12) + 4(11)$
 $= 20 + 36 + 44 = 100$

(iv) $a - 3b - 2c$ when $a = 15$, $b = 3$ and $c = 1$

Sol: $a - 3b - 2c$
 $= 15 - 3(3) - 2(1)$
 $= 15 - 9 - 2 = 4$

Write the above questions in your notebook