Q1: Write the expression for the statement: the sum of three times x and 11

(a) x+3+11 **(b) 3x+11** **(c) 3+11x** **(d) 3x-11**

Q2 : Write an expression : Raju s father s age is 5 years more than 3 times Raju s age . If Raju s age is x years , then father's age is

(a) 3x+5 **(b) 5-3x** **(c) 3x-5** **(d) 15x**

Q3 : Identify the coefficient of x in expression 8-x+y

(a) 0 **(b) 8** **(c) -1** **(d) 1**

Q4: The number of terms in $4p^2q - 3pq^2 + 5$ is

(a) 7 **(b) 3** **(c) 1** **(d) 4**

Q5: The expression for sum of numbers a and b subtracted from their product is

(a) a+b –ab **(b) ab-a+b** **(c) ab-(a+b)** **(d) ab + a - b.**

Q6: The sum of mn+5-2 and mn+3 is

(a) 2mn+3 **(b) 6** **(c) 2mn+8** **(d) 2mn+6.**

Q7: What is the statement for the expression 3mn+5

(a) 5 more than $\frac{1}{3}$ of product of m and n

(b) number 5 added to product of number m and n
(c) number 5 added to 3 times the product of m and n.
(d) 5 more than 3 times the product of the numbers m and n

Q8 : The constant term in the expression $1+x^2+x$ is

(a) 1 **(b) 2** **(c) x** **(d) x^2**

Q9: The coefficient of y^3 in the expression $y - y^3 + y^2$ is

(a) 1 **(b) y** **(c) $-y^3$** **(d) -1**

Q10: The number of terms in the expression 1.2ab – 2.4 b + 3.6a is

(a)1.2 **(b) -2.4** **(c) 3.6a** **(d) 3**

Q11: What is the numerical coefficient of y^2 in the expression $2x^2y - 15xy^2 + 7y$

(a) -15x **(b) -15** **(c) 2** **(d) 7**

Q12: The expression x +y – xy is

(a) Monomial (b) Binomial (c) Trinomial (d) Quadrinomial

Q13: The expression xyz is

(a) Monomial (b) Binomial (c) Trinomial (d) Zero polynomial

Q14: From the following expressions 10pq, 7p, 8q, $-p^2q^2$, -7pq, -23, ab,3a,b.The like terms are

(a) 3,7p (b) 10 pq, -7pq (c) ab,3a,b (d)10pq,7p,8q

Q15:From the following expressing 3ab,a^2,b^2,a,5ab,-2ab,$2a^2$ the three terms are

(a) 3ab,5ab,-2ab (b) a^2,a,$2a^2$ (c)3ab,a^2,b^2 (d)$2a^2$,a^2, a

Q16: Sum of 3m and 2n is

(a)5mn (b) 3m+2n (c) 5m (d) 5n

Q17: Sum of xy, x+y and y+ xy is

(a) 2xy +2x+y (b) 3xy+2y (c) 2xy +x+y (d) 2xy+x+2y

Q18:The value of 21b-32 + 7b – 20b is

(a) 48b- 32 (b) -8b - 32 (c)8b - 32 (d)28b -52

Q19:Subtract a –b from a+b the result is

(a) 2a+2b (b) 2a (c) 2b (d) 2a-2b

Q20:Subtracting $-5y^2$ from y^2 ,the result is

(a) $-4y^2$ (b) $6y^2$ (c) $4\ y^2$ (d) $-6\ y^2$

Q21: The value of expression 5n – 2, when n= -2 is

(a) -12 (b) 8 (c) 1 (d) -8

Q22:The value of expression 7a-4b for a=3,b=2 is

(a) 13 (b) 7a-6b (c) 21a-8b (d) 29

Q23: When x-0,y= -1,then the value of expression 2x+2y is

(a) 4 (b) 0 (c) -2 (d) 2

Q24:Factors of the term $15x^2$ in the expression $15x^2$ -13x are

(a) 15,x,x (b) 15,-13 (c) $15x^2$,-13x (d)15

Q25:Factors of the terms $-4pq^2$ in the expression $9p^2q^2$ $-4\ pq^2$ are

(a) 9 p^2q^2 ,$-4\ pq^2$ (b)9,-4 (c)-4,p,q,q (d) -4

Q26:If the length of each side of the equilateral triangle is l, then the perimeter of the equilateral triangle is

(a) 3l (b) 3+l (c) 3-l (d) l/3

Q27:Which of the following is monomial

(a) 2x +3 (b) 2x (c) 4x+2y+3 (d) 4y+5x+z−1

Q28:Which of the following is trinomial

(a) 2a+6b-1 (b) 1 (c) 5a − 7 (d) a + b + c −3

Q29: Terms with factors y in the expression 8 + xy + xyz are

(a) xy, xyz (b) x, xz (c) 8, xy, xyz (d) y, xz

Q30: Identify the terms in the expression x+y+1 which are not constant

(a) x,y,1 (b) x, y (c) x,1 (d) y,1

Q31:The value of expression 4x − 3 at x=2 is

(a) -4 (b) 5 (c) 4 (d) 2

Q32: The value of expression $5n^2 + 5n - 2$ for n= −2 is

(a) 13 (b) 3 (c) 8 (d) 12

Q33: The value of expression $2a^2+2b^2-ab$ for a=2, b=1is

(a) 2 (b) 8 (c) 6 (d) 10

Q34: The value of x+7+4(x−5) for x=2

(a) −3 (b) 31 (c) 12 (d) 37

Q35: The value of expression 2a−2b−4−5+a at a=1, b=-2

(a) 10 (b) −2 (c) 12 (d) −4

Q36: What must be subtracted from 2a+b to get 2a−b

(a) 2b (b) 4a (c) 0 (d) 4a+4b

Q37: What must be added to 3x+y to get 2x+3y

(a) 5x+4y (b) − x+2y (c) x−2y (d) x+2y

Q38: Subtract a+2b from sum of a−b and 2a+b

(a) 2a−2b (b) 4a+2b (c) 2b (d) −2a +2b

Q39: On simplifying (a+b-3) − (b −a +3) + (a−b+3) the result is

(a) a−b+3 (b) a−b−3 (c) 3a−b−3 (d) 3a+b+3

Q40:What should be value of 'a' if $y^2+y - a$ equals to 3 for y=1

(a) −1 (b) −5 (c) 5 (d) 0