

**Multiple Choice Questions**

- What are the coefficient of x and y in  $4x+12y$ ?
  - 16
  - 8
  - 12, 4
  - 4, 12
- Which one of the following is the coefficient of x in  $7x+9y$ ?
  - 7
  - 9
  - 16
  - 12
- $(+35)+(-45)+(55)+(11)=$  what?
  - 54
  - 58
  - 56
  - 57
- Which one of the following is the coefficient of b in  $5a+7b+2c$ ?
  - 5
  - 7
  - 2
  - 12
- How many terms are there in the expression  $2x+5y \times 2x-3y \div 2x-6y$ ?
  - 1
  - 2
  - 3
  - 4
- How many terms are there in the expression  $3x \times 4y \div 2z$ ?
  - 1
  - 2
  - 3
  - 4
- What is the difference of y times x is subtracted from a times 3?
  - $xy - 3a$
  - $x-y-3a$
  - $3a-xy$
  - $3a-x-y$
- $2x^5 \times 7x^2 \times 3y^3 =$  what?
  - $4x^6y^3$
  - $14x^7y^3$
  - $42x^7y^3$
  - $48x^7y^3$
- If the price of a orange is taka x, then what is the price of 12 orange?
  - 12
  - x
  - $12+x$
  - $12x$
- If the price of a pen is x, notebook is y and a pencil is z, then what will be the price of three pens, one notebook and two pencils?
  - $x + y + z$
  - $3y+x+2z$
  - $3x+y+z$
  - $3x+y$
- The coefficient of x in  $8 - x + y$  is \_\_\_\_\_
  - 1
  - 1
  - 8
  - 5
- The algebraic expression for “Number 5 added to three times the product of numbers m and n” is \_\_\_\_\_
  - $5 + 3mn$
  - $3 + 5mn$
  - $(5+3) mn$
  - $5+3n$

13. The value of the expression  $5n - 2$  when  $n = -2$  is \_\_\_\_\_
- 12
  - 12
  - 8
  - 8
14. Terms are added to form \_\_\_\_\_
- expressions
  - Variables
  - constants
  - operations
15. Which of the following is the numerical coefficient of  $x^2y^2$ ?
- 0
  - 1
  - $x^2$
  - $y^2$
16. Which of the following is the numerical coefficient of  $-5xy$ ?
- 5
  - x
  - 5
  - y
17. The value of  $x^2 - 5$  at  $x = 1$  is
- 2
  - 1
  - 4
  - 5
18. What is the value of  $5x^{25} - 3x^{32} + 2x^{-12}$  at  $x=1$ ?
- 0
  - 2
  - 4
  - None of these
  - 7
  - 1

19. Subtract  $(b-a)$  from  $(a-b)$  then what is the difference?

- $a+b$
- $2a-2b$
- 0
- $a$

20. Which one is the index of  $x$  in  $7x^6$ ?

- 6
- 13

If  $a^2, b^2, c^2$  are three algebraic expressions, then-

21. What is the numerical coefficient of  $b^2$ ?

- 1
- 2
- 6
- 0

22. Which one of the following is sum of three times of  $x$  and two times of  $y$ ?

- $y+3x$

b)  $3x+2y$

c)  $x+2y$

d)  $2x+3y$

If  $a=2, b=-3, c=-4, d=5$

23. What is the value of  $-(-b)$

a.  $-3$

b.  $3$

c.  $4$

d.  $5$

$4a, 2b$  and  $3a$  are three algebraic data.

24. What is the sum of the coefficient of three data?

a.  $7$

b.  $9$

c.  $8$

d.  $10$

25. What is the value of sum of subtraction of first data from 3<sup>rd</sup> and 2<sup>nd</sup> data?

a.  $2a-2b$

b.  $a+2b$

c.  $a+b$

d.  $2a+3b$