

EduSahara™ Learning Center Assignment**Grade : Class VIII, SSC****Chapter : Algebraic Expressions****Name : Concepts****Licensed To : Teachers and Students for non-commercial use**

1. The degree of polynomial $(5de - 4d - 9e - 7)$ is

(i) 4 (ii) 2 (iii) 1 (iv) 0 (v) 3

2. The degree of polynomial $(-2tu^2 - 3tu + 23u^2 - 5u)$ is

(i) 3 (ii) 5 (iii) 1 (iv) 2 (v) 4

The degree of polynomial

3. $(4o^2p^2q^2 - 2o^2p^2 - 9o^2q^2 + o^2q - 3op^2)$ is

(i) 7 (ii) 6 (iii) 5 (iv) 4 (v) 8

The degree of polynomial

4. $(p^3q^3r^3 + 3p^3qr^3 - 8p^3r^3 - 7p^2q^3r^2 + 3pqr + 2pq + 6q^3)$ is

(i) 6 (ii) 8 (iii) 9 (iv) 10 (v) 12

5. The coefficient of term o in polynomial $(-7op - 3o - 2p + 11)$ is

(i) -2 (ii) -3 (iii) 0 (iv) -4 (v) -6

6. The coefficient of term v^2 in polynomial $(-6u^2 - 3u + v^2 + 9v)$ is

(i) 4 (ii) 2 (iii) -1 (iv) 1 (v) 0

The coefficient of term u^2v in polynomial

7. $(-6t^2v + 9tu - tv - t + 9u^2v)$ is

- (i) 8 (ii) 6 (iii) 11 (iv) 10 (v) 9
-

The coefficient of term $w^2 x^3$ in polynomial

8.

$$(-7w^2x^3 + 6wx^3y^3 - wx^3y^2 + 8wx^2y^2 + 4wx^2 - 3w - 8y^3) \text{ is}$$

- (i) -8 (ii) -5 (iii) -6 (iv) -7 (v) -10
-

9. Which of the following algebraic expressions is a monomial?

- (i) $(-6g^3 + 6i^3)$
- (ii) $(8g^3h^2i^2 - 7g^2i^2 + 8gh^2 - 7hi^2)$
- (iii) $(-4g^3h^2i^3 - 5g^2i^2 - 6gh^3 + 2ghi^3)$
- (iv) $(3ghi + 9h^2i^3 - 8hi)$
- (v) $(-3g^2h^3i^3)$
-

10. Which of the following algebraic expressions is a binomial?

- (i) $2cd^3e$
- (ii) $(2c^3d + 8c^2de + 7cd^3)$
- (iii) $(7cd^3e^3 + 9cd - 6ce - 2e)$
- (iv) $(3c^2de^3 + d^2 + 8e^2 + 6e)$
- (v) $(-3c^2de^2 - 7cd^2e^3)$
-

11. Which of the following algebraic expressions is a trinomial?

- (i) $(5c^3d^3e^3 + 6c^3d^2e^3 + 5c^2d^2)$
- (ii) $(5cd^2e - 1)$

$$(iii) \ (2 c^3 d^2 e^2 + 3 c^2 d e - 2 c^2 e - 7 c d e^2)$$

$$(iv) \ (c^3 d^3 - 9 c^3 d^2 e^3 + 4 c^2 d^3 e^3 + c e^3)$$

$$(v) \ (- 8 c d^3 e^3)$$

12. Which of the following algebraic expressions is a constant polynomial?

$$(i) \ 8 t^2 u^3 v^3$$

$$(ii) \ (t^3 v - 2 t u v^3 - 8 u^3 v^3 - 8 v^2)$$

$$(iii) \ (2 t^3 u^3 - 6 t^2 u v^2 - u^3 v^2)$$

$$(iv) \ (- 7 t + 5 u^3 v^2)$$

$$(v) \ (- 1)$$

13. Which of the following algebraic expressions is a zero polynomial?

$$(i) \ (- 4 g^3 h^2 i - 2 g^2 h i^2)$$

$$(ii) \ (- g h i^3 + 3 h^3 - 4 h^2 i^3 + 3 h)$$

$$(iii) \ (2 g^2 h^2 i + 4 g^2 i^3 + 5 h)$$

$$(iv) \ 0$$

$$(v) \ (- 5 g^2 h i)$$

14. The degree of polynomial $(- 3 v w - 18 v - w - 7)$ is

$$(i) \ 0 \ (ii) \ 1 \ (iii) \ 2 \ (iv) \ 4 \ (v) \ 3$$

15. The degree of polynomial $(6 v^2 - 6 v w^2 + 8 w + 9)$ is

$$(i) \ 4 \ (ii) \ 0 \ (iii) \ 6 \ (iv) \ 2 \ (v) \ 3$$

The degree of polynomial

16. $(-5a^2b^2c + 4a^2b^2 + 4ab^2c^2 + 4abc^2 + 5ac)$ is

- (i) 6 (ii) 8 (iii) 4 (iv) 2 (v) 5
-

The degree of polynomial

17. $(8q^2r^3s - 7q^2r^3 + 7q^2r^2s^3 + 6q^2r^2 - 7q^2rs^2 + 5r^2 - 8s)$ is

- (i) 10 (ii) 7 (iii) 8 (iv) 4 (v) 6
-

18. The coefficient of term kl in polynomial $(-4kl - 4k + l + 12)$ is

- (i) -5 (ii) -3 (iii) -6 (iv) -4 (v) -1
-

19. The constant term in polynomial $(7n^2 + 4no + 2n - 3)$ is

- (i) -3 (ii) -6 (iii) -1 (iv) -2 (v) -4
-

The coefficient of term rs^2 in polynomial

20. $(-7q^2r^2s + 4qr^2 + 9r^2 - rs^2 - 8s^2)$ is

- (i) -4 (ii) 0 (iii) 2 (iv) -2 (v) -1
-

The coefficient of term l^2n^3 in polynomial

21. $(5l^3m^3n^2 - 2l^3mn^2 + 7l^2m^3n^3 + 7l^2n^3 - lm^3 - 7m^3 - 5m^2n^3)$ is

- (i) 8 (ii) 7 (iii) 5 (iv) 9 (v) 6
-

22. Which of the following algebraic expressions is a monomial?

(i) $(-4o^2p^3q + 8op + 4p^3 - 2q)$

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

$$(iii) \quad (-9o^3pq)$$

$$(iv) \quad (-8o^3p^3 - 9o^2pq^2 - q^3)$$

$$(v) \quad (-o^3pq - 8op^2q^2 - 2oq^2 + 6q^2)$$

23. Which of the following algebraic expressions is a binomial?

$$(i) \quad (-9s^2t^2u^2 + 9s^2t^2u + 7t^3u)$$

$$(ii) \quad (8s^3t^3u^3 + 5t^3u^2)$$

$$(iii) \quad stu$$

$$(iv) \quad (-4s^3t^2u^3 - 9s^3tu^2 - 4s^2 - 2s)$$

$$(v) \quad (-7s^3t^3u - 6s^3tu^2 - 9s^2t^2u^3 - 4st^3u)$$

24. Which of the following algebraic expressions is a trinomial?

$$(i) \quad 8st^3u^3$$

$$(ii) \quad (-8s^2t^3u - 5s^2 + 4s)$$

$$(iii) \quad (s^3t^2u^3 - 9s^2tu^3)$$

$$(iv) \quad (-4s^3tu^2 - s^2 + 6st^3u^2 + 7st^3)$$

$$(v) \quad (9s^2t^3 + 6s^2t^2u^2 + 5st^3u^3 - 8)$$

25. Which of the following algebraic expressions is a constant polynomial?

$$(i) \quad (3n^3o^2p + 8n^2o^3p + o^2p)$$

$$(ii) \quad (-7no^2p^2)$$

$$(iii) \quad (-1)$$

$$(iv) \ (- 3 n^3 o^2 p - 2 n^3 o + 6 n o^2 p^2 + 6 o^3)$$

$$(v) \ (6 n o^3 p^3 + 8 p^3)$$

26. Which of the following algebraic expressions is a zero polynomial?

$$(i) \ (7 f^3 g h^3 - h^2)$$

$$(ii) \ (- 9 f^3 g^3 h^2 - 9 f g^2 h + 5 g^3 h^2 + 8 g^3 h)$$

$$(iii) \ 0$$

$$(iv) \ 4 f g^3 h^3$$

$$(v) \ (- 6 f^3 h^2 + 7 f g^3 h^3 + 3 h^3)$$

Assignment Key

- 1) (ii)
- 2) (i)
- 3) (ii)
- 4) (iii)
- 5) (ii)
- 6) (iv)
- 7) (v)
- 8) (iv)
- 9) (v)
- 10) (v)
- 11) (i)
- 12) (v)
- 13) (iv)
- 14) (iii)
- 15) (v)
- 16) (v)
- 17) (ii)
- 18) (iv)
- 19) (i)
- 20) (v)
- 21) (ii)
- 22) (iii)
- 23) (ii)
- 24) (ii)
- 25) (iii)
- 26) (iii)