



1. The degree of polynomial  $(15op - 7o + 2p - 2)$  is

- (i) 5 (ii) 1 (iii) 2 (iv) 3 (v) 0

2. The degree of polynomial  $(6t^2 + 5tu - 5u^2 - 6u)$  is

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

3. The degree of polynomial  $(7f^2g - 3f + g^2 - 6gh + 9h)$  is

- (i) 0 (ii) 5 (iii) 4 (iv) 2 (v) 3

4. The degree of polynomial  $(r^3s^2t + 6r^3t^3 + 7r^2s + r^2 + 8rst - 4rs + rt)$  is

- (i) 3 (ii) 8 (iii) 6 (iv) 7 (v) 5

5. The coefficient of term  $uv$  in polynomial  $(-6uv + 4u - 6v - 5)$  is

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

6. The coefficient of term  $qr$  in polynomial  $(9q^2r - 6qr^2 + 2qr + 7)$  is

- (i) 2 (ii) 5 (iii) 1 (iv) 3 (v) 0

7. The coefficient of term  $fg^2h$  in polynomial  $(-4f^2gh + 3f^2h^2 - 7fg^2h^2 - 4fg^2h - 5g^2h^2)$  is

- (i) -4 (ii) -3 (iii) -2 (iv) -5 (v) -7

8. The coefficient of term  $qr^3s^3$  in polynomial  $(-3q^2r^3s - q^2r^2s + 6q^2rs - 5qr^3s^3 + 9qrs^2 - 5qr - rs^2)$  is

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

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

- (i)  $(5b^3d^3 - 2c^2d)$  (ii)  $5bc^2d^3$  (iii)  $(3b^3cd - 3b^2c^2d^2 - c^3)$  (iv)  $(-4b^3c^2 + 8b^3d^2 - 4b^2c + 7d^2)$   
(v)  $(6b^3cd^2 + 4b^3 + 7b^2c^2d^2 - 8bc)$

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

- (i)  $(-6d^3e^2f^3 + 8d^2e^3 + 4de^2f - de^2f^2)$  (ii)  $4def$  (iii)  $(9de^3 - 9de)$  (iv)  $(3d^2 + 3e^3f + 9ef + 7f^2)$   
(v)  $(-5df^3 + 6e^2f^2 + 3)$

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

- (i)  $(j^3k^3 + 5j^3kl^3 - 3j^2kl - 7l^3)$  (ii)  $(6j^3l^2 + 9j^2k + 6jkl + 4)$  (iii)  $(5jk^3l^3 + 8j)$  (iv)  $(6j^3kl^3 + 2j^2l - 5l)$   
(v)  $2j^2k^3l$

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

- (i)  $(-3p^2qr^3)$  (ii)  $(-4)$  (iii)  $(-p^3q^2r^3+5pq^3r+3pqr-9qr^2)$  (iv)  $(6p^3q^3r^3-9pr^2)$   
(v)  $(3p^3q^3r^3+2pq^3r^3+3pq^3r)$

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

- (i)  $(2c^3de-6c^3d+cd^3e^2-4d^2e)$  (ii)  $(3c^2d^3e+5d^3)$  (iii)  $5c^2de$  (iv)  $(4c^3e^2+3c^3e+2cd^3e^2)$  (v)  $0$

14. The degree of polynomial  $(9ef-e+3f-5)$  is

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

15. The degree of polynomial  $(2v^2-3vw^2+3w+9)$  is

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

16. The degree of polynomial  $(-4pq^2r+5q^2r^2+6q^2-9q+5r)$  is

- (i) 5 (ii) 7 (iii) 2 (iv) 4 (v) 3

17. The degree of polynomial  $(3f^3g^3-6f^2g^3h-8f^2g^2h^2-5f^2gh^2+fh+9g^2h^2+2gh)$  is

- (i) 4 (ii) 6 (iii) 9 (iv) 7 (v) 5

18. The coefficient of term  $f$  in polynomial  $(-5fg-8f+g-3)$  is

- (i) -8 (ii) -7 (iii) -9 (iv) -5 (v) -10

19. The coefficient of term  $pq^2$  in polynomial  $(9p^2q+7p^2+9pq^2-4)$  is

- (i) 8 (ii) 10 (iii) 9 (iv) 11 (v) 7

20. The coefficient of term  $u$  in polynomial  $(2s^2t^2u+5t^2u^2-6t^2u+3u+7)$  is

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

21. The coefficient of term  $de^2f^2$  in polynomial  $(2d^3e^3+3d^3f+5d^2e^2-6d^2ef^3-8d^2f^2+9d^2-de^2f^2)$  is

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

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

- (i)  $(8l^3mn^2-l^3m)$  (ii)  $(6l^2m^3n-4l^2mn^3-6m^3n^2+m^2n)$  (iii)  $(-5l^3m^2-2ln^2-7)$   
(iv)  $(3l^3n+7lm^3n^3+ln^3+4m^2n^3)$  (v)  $(-5l^2m^2n)$

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

- (i)  $(-4m^3+4m^2no^3-9m^2o^3)$  (ii)  $(-3mn^2o)$  (iii)  $(9m^3n^3o+8m^3n^2o^3-9m^3no^3+m^2n^2o)$   
(iv)  $(-3m^3n^2o-3mn^3o+mn^2o^3-7mo^2)$  (v)  $(-m^3n-no^3)$

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

(i)  $(-8l^3n^2 + 2lmn^2)$  (ii)  $(-8l^3mn^3)$  (iii)  $(5l^3m^3 + 2l^3m + 8l^2n^2)$  (iv)  $(4l^3m^2n^2 + 5l^3n^2 + 4lmn + 2m)$

(v)  $(6l^3m^3 + 6l^2m^3n^3 - 9l^2m - 9m^2n^3)$

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

(i)  $(-8e^2 + fg^2 + 5f)$  (ii)  $(-2e^3f^3g + 8e^3fg^3 - 2f^3g^2 - 7f^2)$  (iii)  $6e^2g^2$  (iv)  $(-e^2 - 9f^2g^3)$  (v)  $2$

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

(i)  $(-5w^3x^3y^3 - w^3xy^3 + 8wx^3)$  (ii)  $(-6w^3x + 8y^3)$  (iii)  $(-3w^3x^3y + 9w^3 + wx^2 - 3wxy^3)$  (iv)  $(-6w^2xy)$

(v)  $0$

## Assignment Key

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