



1. The degree of polynomial  $(-6uv - 9u + 2v - 7)$  is

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

2. The degree of polynomial  $(8t^2u + 9t^2 + 2u^2 + 8u)$  is

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

3. The degree of polynomial  $(3b^2c^2d^2 + 2bc^2d^2 - 9c^2d - c^2 - 8d)$  is

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

4. The degree of polynomial  $(\beta mn^2 + 8l^2m^2 - 3l^2mn^3 + 2l^2 + 5lm^2n^2 + m^2n^2 + 7mn)$  is

- (i) 7 (ii) 3 (iii) 9 (iv) 6 (v) 5

5. The coefficient of term  $y$  in polynomial  $(2xy - 3x + 3y + 8)$  is

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

6. The coefficient of term  $op^2$  in polynomial  $(2o^2p^2 + 7o^2p - 2op^2 + 7p)$  is

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

7. The coefficient of term  $p^2r^2$  in polynomial  $(-7p^2r^2 - 5pr + 5p + 8r + 8)$  is

- (i) -7 (ii) -4 (iii) -6 (iv) -8 (v) -9

8. The coefficient of term  $j^2kl^3$  in polynomial  $(7j^3kl^2 - 3j^2kl^3 + 3j^2kl^2 + 4j^2l^2 + 5jk^3 + 8k^3l + 4l)$  is

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

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

- (i)  $(s^2t - 2st^3u + 3st - 2u^3)$  (ii)  $(6s^3tu^3 - 6s^2t^2u^2 - 6s + 6t^3)$  (iii)  $(-s^3u - 8s^2u^2 - 4t^3u^2)$
- (iv)  $(-s^2t^2u^2 + st^2u^3)$  (v)  $(-4st^2u^3)$

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

- (i)  $(5tu^3v^2 - 4tu^2 - 2tv^3 + 9u)$  (ii)  $(2t^3u^2v^3 - 2t^2u^3 + 3t^2uv^2 - 3u^3v)$  (iii)  $(-9t^2uv)$
- (iv)  $(8t^3u^3 - 3t^3uv^3 + u^3v^2)$  (v)  $(7t^3u^3v - 6uv^2)$

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

- (i)  $(-8s^3tu + 8st^3u - stu + 3tu)$  (ii)  $(-4s^3t^3u + 4s^3t^2 + 4s^2tu^3 + u^3)$  (iii)  $(-3s^3tu^2)$
- (iv)  $(-4s^3t^3u^3 - 4s^3tu - 5st^2u^3)$  (v)  $(-s^3 - 6t^2)$

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

- (i)  $(2p^3q^2r^3 - 2p^3q^2 - 3pq^2 + 9pqr)$  (ii) 7 (iii)  $(6p^2r^2 + 7pq^2r)$  (iv)  $7pq^2r^3$   
(v)  $(-8p^3q^2r^3 + 2p^3q + 5p^2q^2r^2)$

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

- (i)  $(-4j^3l^2 - 8jk^l - 2k)$  (ii)  $8j^2k^3l^3$  (iii) 0 (iv)  $(7j^3k - 5j^2k^3)$  (v)  $(5j^3k^2l^3 + 7j^3k^2l^2 - 3jk^2l^3 - 5l)$

14. The degree of polynomial  $(6gh - g + 6h - 5)$  is

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

15. The degree of polynomial  $(-9l^2m - 7lm + 3m - 1)$  is

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

16. The degree of polynomial  $(-a^2b - 3ab^2c^2 - 9abc + 6a + 1)$  is

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

17. The degree of polynomial  $(8j^3kl - 8j^3l^2 - 6j^3 + j^2k^2l^2 - j^2kl^2 + 4j^2l + 9k^3)$  is

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

18. The coefficient of term  $wx$  in polynomial  $(4wx - 5w - 3x - 9)$  is

- (i) 3 (ii) 5 (iii) 4 (iv) 6 (v) 2

19. The coefficient of term  $h^2$  in polynomial  $(5h^2l^2 - 7h^2 + 9hl^2 + l^2)$  is

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

20. The coefficient of term  $l^2$  in polynomial  $(-5l^2j^2 + 9l^2k^2 - 8l^2 - 4ij^2k^2 + 9k)$  is

- (i) -6 (ii) -8 (iii) -9 (iv) -11 (v) -7

21. The coefficient of term  $jk^3$  in polynomial  $(3i^3j^2k^2 - 7i^2j^2k^3 - 5i^2j^2k^2 + 4ijk^3 - 3ij - 8j^3k^2 + 7jk^3)$  is

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

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

- (i)  $(r^3s^2 + 5r^3st^2 + 9r^2s^3t^3 + 4s^3t^3)$  (ii)  $(6r^2t^2 + 7)$  (iii)  $3r^2s^3t^2$  (iv)  $(-6r^3s^3t^2 + 8rs - 2r)$   
(v)  $(8r^3s^3t - rst^2 - 8s^3t^3 - 6t)$

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

- (i)  $(3f^3h^3 - 2fgh^3 - 9fh^3)$  (ii)  $5f^2g^2h^3$  (iii)  $(9f^3g^3 + 2f^3g^2h^2 - 2f^3gh^2 + 1)$   
(iv)  $(4f^3g^2h + 5f^2h - 5fg^2h^2 - 5)$  (v)  $(-2g^2h^2 + gh)$

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

- (i)  $(8a^2c^3 - 3ab^2c^3 + 4ab + 7c^3)$  (ii)  $(-2a^3c - 7abc + 6c^2)$  (iii)  $(-5a^3bc^3 - 4a^2b^2c^2 + 8abc^2 + 9b^3)$   
(iv)  $(-9a^3b^2c + 3a^2b^2c^3)$  (v)  $a^3b^2c$
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25. Which of the following algebraic expressions is a constant polynomial?

- (i)  $(-9)$  (ii)  $(-2fg^3h^3 + 3fg^2 - 2h)$  (iii)  $8fg^3h^3$  (iv)  $(8f^3gh^2 + f^2gh^3 + 7fg^2h - 3fg)$   
(v)  $(5f^3g^3h + 3fg^3h)$
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26. Which of the following algebraic expressions is a zero polynomial?

- (i)  $(-4g^2h^3i^2 - 2ghi^3)$  (ii)  $(-8g^3hi^3 - 2g^2h^2i^3 - 2g^2h^2 + 4h^2i^2)$  (iii)  $(-2g^3hi^2)$  (iv)  $0$   
(v)  $(-2g^3h^3 + 3g^2h^2i - 7g^2hi^3)$

## Assignment Key

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

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