



1. Which of the following is not a factor of $4x^4y^4z^5$?

- (i) $2x^4y^3z^5$ (ii) $2x^4y^4z^4$ (iii) $2x^3z^2$ (iv) $2x^3y^4z^5$ (v) $2x^5y^5z^6$

2. The degree of polynomial $(-4pq+5p+8q-1)$ is

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

3. Which of the following is not an irreducible factor of (x^2y+xy^2+xy) ?

- (i) x (ii) xy (iii) $(x+y+1)$ (iv) y

4. The coefficient of term de^3 in polynomial $(8c^3d^2e^2-4c^3d^2+8cd-2d^3e^2+7de^3-3de+9e^2)$ is

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

5. Which of the following is an irreducible factor of $28x^4y^2z^5$?

- (i) y (ii) y^2z (iii) $x^4y^2z^5$ (iv) x^4y (v) xz^5

6. Which of the following is a like term of $2ij^2$?

- (i) $(-6hij^2)$ (ii) $h^2i^2j^2$ (iii) $(-ij^2)$ (iv) $5h^2i^2$ (v) $9hj$

7. The degree of the polynomial $(-5s^2+7s-9)$ is

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

8. Which of the following is a factor of $(4x+y^3z^3)$?

- (i) $2y^2$ (ii) no factors (iii) $2xz$ (iv) $4x$ (v) y^3z^3

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

- (i) $(-4c)$ (ii) $(-8c^3+6c-1)$ (iii) $(-7c^4+9c^2)$ (iv) $(-4c^4-c^3+8c^2+5c+4)$
(v) $(-3c^4-9c^3+4c^2-7c+4)$

10. The degree of the polynomial $(9e-6)$ is

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

11. The value of the polynomial $(-3wx^2)$ at $w=(-3), x=0, y=(-2)$ is

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

12. The degree of the polynomial $(-8e^5 - 2e^4 - 6e^3 + 4e^2 - 2e)$ is

- (i) 6 (ii) 5 (iii) 3 (iv) 8 (v) 4

13. The coefficient of term n in polynomial $(no - 7n - 8o + 5)$ is

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

14. The value of the polynomial $(-6hi)$ at $g = (-3), h = 1, i = 4$ is

- (i) -22 (ii) -24 (iii) -25 (iv) -23 (v) -27

15. The value of the polynomial $(8t^2uv^2 - 4uv^2 + 2)$ at $t = 1, u = (-5), v = (-1)$ is

- (i) -15 (ii) -17 (iii) -18 (iv) -19 (v) -20

16. Which of the following are not polynomials?

- a) $(4x+11y)$
b) $144x^2 + \frac{1}{144x^2}$
c) \sqrt{x}
d) $(x-11y)$
e) $144x^2$

- (i) {d,c} (ii) {e,a,b} (iii) {a,b} (iv) {d,c,b} (v) {b,c}

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

- (i) 0 (ii) $(-2k^3m^3 - 8l^3m^2 + 3)$ (iii) $(-3k^3l^2m)$ (iv) $(k^3l^2m^2 - 2k^2l^2m^2 + 3lm - 2m)$
(v) $(-5k^2l^2m - 3l^3m)$

18. $9 \times c \times c \times c \times d \times d \times d \times e \times e \times e =$

- (i) $11c^3d^4e^3$ (ii) $9c^4d^4e^3$ (iii) $9c^3d^4e^3$ (iv) $9c^2d^4e^3$ (v) $6c^3d^4e^3$

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

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

20. The degree of polynomial $(-9r^2g^2 + 4fg + g + 6)$ is

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

21. The coefficient of term q in polynomial $(-3q + 8)$ is

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

22. The value of the polynomial $(-8e^2 - e - 2)$ at $e = 3$ is

- (i) -77 (ii) -79 (iii) -74 (iv) -78 (v) -76

23. Which of the following is a factor of x^3yz ?

- (i) xy^2z
- (ii) xz
- (iii) xz^2
- (iv) x^4z
- (v) x^3z^2

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

- (i) $(-6i^3j^3k^2 + 4i^3j - 9k + 7)$
- (ii) $(-8i^3j^2k^3 + 2i^2j^2k^2)$
- (iii) $4i^2j^2k^3$
- (iv) $(7i^3 - 5i^2k + 5ij^2k^2)$
- (v) $(-2i^3k^3 + 3ij^3k - 9ik^3 + 9j^2)$

25. Which of the following terms is a like term of (-7) ?

- (i) $(-7r^4)$
- (ii) $2r^2$
- (iii) $2r$
- (iv) 6
- (v) $4r^3$

Assignment Key

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

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