



1. The value of  $u \times u \times u$  is

- (i)  $u^3$  (ii)  $(-u^3)$  (iii)  $2u^3$  (iv)  $4u^3$  (v) 0

2. The value of  $(-2g) \times (-5g) \times (-5g) \times (-4g)$  is

- (i)  $202g^4$  (ii)  $201g^4$  (iii)  $199g^4$  (iv)  $197g^4$  (v)  $200g^4$

3. The value of  $(-8n) \times 6n$  is

- (i)  $(-51n^2)$  (ii)  $(-45n^2)$  (iii)  $(-47n^2)$  (iv)  $(-48n^2)$  (v)  $(-49n^2)$

4. The value of  $(-5d) \times 2d \times (-3d^2)$  is

- (i)  $29d^4$  (ii)  $32d^4$  (iii)  $30d^4$  (iv)  $28d^4$  (v)  $31d^4$

5. The value of  $(4i-7) \times (3i-8)$  is

- (i)  $(15i^2-53i+56)$  (ii)  $(9i^2-53i+56)$  (iii)  $(12i^2-53i+56)$  (iv)  $(11i^2-53i+56)$  (v)  $(13i^2-53i+56)$

6. The value of  $\frac{1}{2}e \times \frac{1}{3}e^2 \times \frac{3}{4}e^2$  is

- (i)  $\frac{1}{6}e^5$  (ii)  $(-\frac{1}{8}e^5)$  (iii)  $\frac{1}{10}e^5$  (iv)  $\frac{3}{8}e^5$  (v)  $\frac{1}{8}e^5$

7. The value of  $\frac{3}{5}y \times \frac{3}{4}y \times \frac{1}{4}y$  is

- (i)  $\frac{11}{80}y^3$  (ii)  $\frac{7}{80}y^3$  (iii)  $\frac{3}{26}y^3$  (iv)  $\frac{9}{80}y^3$  (v)  $\frac{9}{82}y^3$

8. The value of  $\frac{2}{3}e \times \frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$  is

- (i)  $\frac{1}{10}e$  (ii)  $\frac{1}{14}e$  (iii)  $\frac{1}{4}e$  (iv)  $(-\frac{1}{12}e)$  (v)  $\frac{1}{12}e$

9. The value of  $\frac{3}{5}c^2 \times \frac{1}{2}c^2$  is

- (i)  $\frac{1}{2}c^4$  (ii)  $\frac{3}{10}c^4$  (iii)  $\frac{3}{8}c^4$  (iv)  $\frac{1}{4}c^4$  (v)  $\frac{1}{10}c^4$

10. The product of the terms  $(-r), (-3rs), 2s, (-2), 3$  is

- (i)  $(-33r^2s^2)$  (ii)  $(-36r^2s^2)$  (iii)  $(-38r^2s^2)$  (iv)  $(-35r^2s^2)$  (v)  $(-37r^2s^2)$

11. The product of the terms  $r, 4, (-4st), (-4), 3$  is  
 (i)  $193rst$  (ii)  $191rst$  (iii)  $195rst$  (iv)  $190rst$  (v)  $192rst$
12. The product of the terms  $(-1), (-3), 4, 3, 5$  is  
 (i) 182 (ii) 180 (iii) 181 (iv) 179 (v) 177
13. The value of  $(-2u) \times (-u)$  is  
 (i)  $4u^2$  (ii)  $2u^2$  (iii)  $u^2$  (iv)  $3u^2$  (v)  $(-u^2)$
14. The value of  $(-3cd) \times 2 \times (-d) \times 4$  is  
 (i)  $23cd^2$  (ii)  $22cd^2$  (iii)  $24cd^2$  (iv)  $26cd^2$  (v)  $25cd^2$
15. The value of  $l^2 \times klm$  is  
 (i)  $3kl^3m$  (ii)  $kl^3m$  (iii) 0 (iv)  $(-kl^3m)$  (v)  $2kl^3m$
16. The value of  $4ij \times 6i \times j \times (-9ij)$  is  
 (i)  $(-214i^3j^3)$  (ii)  $(-216i^3j^3)$  (iii)  $(-219i^3j^3)$  (iv)  $(-215i^3j^3)$  (v)  $(-217i^3j^3)$
17. The value of  $(-5)(5cd-3d)$  is  
 (i)  $(-24cd+15d)$  (ii)  $(-25cd+18d)$  (iii)  $(-25cd+15d)$  (iv)  $(-25cd+13d)$  (v)  $(-26cd+15d)$
18. The value of  $(-2)(-2u^2v^2+4)$  is  
 (i)  $(3u^2v^2-8)$  (ii)  $(4u^2v^2-10)$  (iii)  $(4u^2v^2-6)$  (iv)  $(4u^2v^2-8)$  (v)  $(5u^2v^2-8)$
19. The value of  $3xyz(5xy^2-3z)$  is  
 (i)  $(15x^2y^3z-9xyz^2)$  (ii)  $(16x^2y^3z-9xyz^2)$  (iii)  $(14x^2y^3z-9xyz^2)$  (iv)  $(15x^2y^3z-12xyz^2)$   
 (v)  $(15x^2y^3z-7xyz^2)$
20. The value of  $(-j)(-5h^2ij^2+4h^2ij+3hij)$  is  
 (i)  $(5h^2ij^3-6h^2ij^2-3hij^2)$  (ii)  $(5h^2ij^3-2h^2ij^2-3hij^2)$  (iii)  $(4h^2ij^3-4h^2ij^2-3hij^2)$   
 (iv)  $(5h^2ij^3-4h^2ij^2-3hij^2)$  (v)  $(6h^2ij^3-4h^2ij^2-3hij^2)$
21. The value of  $\frac{1}{2}(\frac{1}{2}lm+\frac{1}{2})$  is  
 (i)  $(\frac{1}{6}lm+\frac{1}{4})$  (ii)  $(\frac{1}{4}lm+\frac{3}{4})$  (iii)  $(\frac{1}{4}lm+\frac{1}{4})$  (iv)  $(\frac{1}{4}lm-\frac{1}{4})$  (v)  $(\frac{1}{2}lm+\frac{1}{4})$
22. The value of  $\frac{1}{5}(\frac{1}{2}ij+\frac{1}{2})$  is  
 (i)  $(\frac{1}{10}ij-\frac{1}{10})$  (ii)  $(\frac{1}{10}ij+\frac{3}{10})$  (iii)  $(\frac{1}{8}ij+\frac{1}{10})$  (iv)  $(\frac{1}{10}ij+\frac{1}{10})$  (v)  $(\frac{1}{12}ij+\frac{1}{10})$

23. The value of  $\frac{1}{4}tu\left(\frac{2}{3}s^2t^2u^2 + \frac{2}{3}tu\right)$  is

- (i)  $\left(\frac{1}{6}s^2t^3u^3 + \frac{1}{6}t^2u^2\right)$  (ii)  $\left(\frac{1}{8}s^2t^3u^3 + \frac{1}{6}t^2u^2\right)$  (iii)  $\left(\frac{1}{6}s^2t^3u^3 - \frac{1}{6}t^2u^2\right)$  (iv)  $\left(\frac{1}{6}s^2t^3u^3 + \frac{1}{2}t^2u^2\right)$   
(v)  $\left(\frac{1}{4}s^2t^3u^3 + \frac{1}{6}t^2u^2\right)$

24. The value of  $\frac{2}{5}vx\left(\frac{2}{3}v^2wx^2 + \frac{2}{5}wx^2 + \frac{1}{4}\right)$  is

- (i)  $\left(\frac{4}{13}v^3wx^3 + \frac{4}{25}vwx^3 + \frac{1}{10}vx\right)$  (ii)  $\left(\frac{4}{15}v^3wx^3 + \frac{6}{25}vwx^3 + \frac{1}{10}vx\right)$  (iii)  $\left(\frac{4}{15}v^3wx^3 + \frac{2}{25}vwx^3 + \frac{1}{10}vx\right)$   
(iv)  $\left(\frac{4}{17}v^3wx^3 + \frac{4}{25}vwx^3 + \frac{1}{10}vx\right)$  (v)  $\left(\frac{4}{15}v^3wx^3 + \frac{4}{25}vwx^3 + \frac{1}{10}vx\right)$

25. The value of  $(-4b+9) \times (7a+7b)$  is

- (i)  $(-28ab+60a-28b^2+63b)$  (ii)  $(-29ab+63a-28b^2+63b)$  (iii)  $(-28ab+66a-28b^2+63b)$   
(iv)  $(-28ab+63a-28b^2+63b)$  (v)  $(-27ab+63a-28b^2+63b)$

26. The value of  $\frac{1}{2} \times \frac{3}{5}bc$  is

- (i)  $\frac{3}{10}bc$  (ii)  $\frac{1}{2}bc$  (iii)  $\frac{1}{10}bc$  (iv)  $\frac{1}{4}bc$  (v)  $\frac{3}{8}bc$

27. The value of  $\frac{3}{4} \times \frac{1}{2}r \times \frac{3}{4}r \times \frac{1}{3}s$  is

- (i)  $\frac{1}{10}r^2s$  (ii)  $\frac{3}{34}r^2s$  (iii)  $\frac{3}{32}r^2s$  (iv)  $\frac{5}{32}r^2s$  (v)  $\frac{1}{32}r^2s$

28. The value of  $\frac{1}{2}jk^2 \times \frac{1}{2}j^2k$  is

- (i)  $\frac{1}{2}j^3k^3$  (ii)  $\frac{1}{6}j^3k^3$  (iii)  $\frac{3}{4}j^3k^3$  (iv)  $\frac{1}{4}j^3k^3$  (v)  $\left(-\frac{1}{4}j^3k^3\right)$

29. The value of  $\frac{1}{2}h \times \frac{2}{3}ghi \times \frac{1}{3} \times \frac{2}{3}gi$  is

- (i)  $\frac{4}{27}g^2h^2i^2$  (ii)  $\frac{2}{25}g^2h^2i^2$  (iii) 0 (iv)  $\frac{2}{29}g^2h^2i^2$  (v)  $\frac{2}{27}g^2h^2i^2$

## Assignment Key

1) (i)	2) (v)	3) (iv)	4) (iii)	5) (iii)	6) (v)
7) (iv)	8) (v)	9) (ii)	10) (ii)	11) (v)	12) (ii)
13) (ii)	14) (iii)	15) (ii)	16) (ii)	17) (iii)	18) (iv)
19) (i)	20) (iv)	21) (iii)	22) (iv)	23) (i)	24) (v)
25) (iv)	26) (i)	27) (iii)	28) (iv)	29) (v)	