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

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

2. The value of $4s \times (-1) \times 5 \times 3s$ is

   (i) $(-62s^2)$ (ii) $(-59s^2)$ (iii) $(-57s^2)$ (iv) $(-61s^2)$ (v) $(-60s^2)$

3. The value of $5t \times 3t$ is

   (i) $15t^2$ (ii) $12t^2$ (iii) $16t^2$ (iv) $17t^2$ (v) $14t^2$

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

   (i) $(-39i^4)$ (ii) $(-40i^4)$ (iii) $(-41i^4)$ (iv) $(-37i^4)$ (v) $(-43i^4)$

5. The value of $(-3m+3) \times (-5m-8)$ is

   (i) $(18m^2+9m-24)$ (ii) $(15m^2+9m-24)$ (iii) $(14m^2+9m-24)$ (iv) $(16m^2+9m-24)$

   (v) $(13m^2+9m-24)$

6. The value of $(-8c^2-6c-1) \times (-2c^2+8c+9)$ is

   (i) $(14c^4-52c^3-118c^2-62c-9)$ (ii) $(15c^4-52c^3-118c^2-62c-9)$ (iii) $(16c^4-52c^3-118c^2-62c-9)$

   (iv) $(17c^4-52c^3-118c^2-62c-9)$ (v) $(18c^4-52c^3-118c^2-62c-9)$

7. The value of $(5t^2-4t+1) \times (-2t^2-6t+9)$ is

   (i) $(-11t^4-22t^3+67t^2-42t+9)$ (ii) $(-12t^4-22t^3+67t^2-42t+9)$ (iii) $(-10t^4-22t^3+67t^2-42t+9)$

   (iv) $(-9t^4-22t^3+67t^2-42t+9)$ (v) $(-8t^4-22t^3+67t^2-42t+9)$

8. The value of $(3s-9) \times (3s^2+6) \times (3s+6)$ is

   (i) $(29s^4-27s^3-108s^2-54s-324)$ (ii) $(28s^4-27s^3-108s^2-54s-324)$

   (iii) $(27s^4-27s^3-108s^2-54s-324)$ (iv) $(26s^4-27s^3-108s^2-54s-324)$

   (v) $(25s^4-27s^3-108s^2-54s-324)$

9. The value of $\frac{2}{5} \times \frac{3}{5} v \times \frac{2}{3}$ is

(i) $\frac{2}{25} v$ (ii) $\frac{4}{23} v$ (iii) $\frac{4}{25} v$ (iv) $\frac{6}{25} v$ (v) $\frac{4}{27} v$

10. The value of $\frac{2}{5} \times \frac{2}{3} \times \frac{2}{5} \times \frac{1}{2} q$ is

(i) $\frac{2}{25} q$ (ii) $\frac{4}{75} q$ (iii) $\frac{2}{75} q$ (iv) $\frac{4}{73} q$ (v) $\frac{4}{77} q$

11. The value of $\frac{2}{5} d^2 \times \frac{1}{4} d^2$ is

(i) $(-\frac{1}{10} d^4)$ (ii) $\frac{1}{12} d^4$ (iii) $\frac{3}{10} d^4$ (iv) $\frac{1}{8} d^4$ (v) $\frac{1}{10} d^4$

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

(i) $\frac{1}{20} q^4$ (ii) $\frac{1}{6} q^4$ (iii) $\frac{3}{22} q^4$ (iv) $\frac{3}{20} q^4$ (v) $\frac{1}{4} q^4$

13. The product of the terms $3e, (-3), f, 4, (-3)$ is

(i) $108ef$ (ii) $109ef$ (iii) $107ef$ (iv) $105ef$ (v) $111ef$

14. The product of the terms $(-5h), (-4hi), (-4gh), (-5), 1$ is

(i) $399gh^3i$ (ii) $401gh^3i$ (iii) $397gh^3i$ (iv) $400gh^3i$ (v) $403gh^3i$

15. The product of the terms $3, (-4), 2, (-3), 1$ is

(i) 70 (ii) 72 (iii) 71 (iv) 73 (v) 74

16. The value of $(-3b) \times 3bc$ is

(i) $(-6b^2c)$ (ii) $(-9b^2c)$ (iii) $(-11b^2c)$ (iv) $(-10b^2c)$ (v) $(-8b^2c)$

17. The value of $(-6) \times 5h \times (-3gh) \times (-7h)$ is

(i) $(-631gh^3)$ (ii) $(-630gh^3)$ (iii) $(-632gh^3)$ (iv) $(-629gh^3)$ (v) $(-628gh^3)$

18. The value of $(-2l) \times 4j^2kl$ is

(i) $(-7j^2kl^2)$ (ii) $(-6j^2kl^2)$ (iii) $(-9j^2kl^2)$ (iv) $(-8j^2kl^2)$ (v) $(-10j^2kl^2)$

19. The value of $(-3c) \times 4de \times 2cd \times (-5de)$ is

(i) $119c^2d^3e^2$ (ii) $120c^2d^3e^2$ (iii) $122c^2d^3e^2$ (iv) $121c^2d^3e^2$ (v) $118c^2d^3e^2$

20. The value of $(-3)(4m-2)$ is

(i) $(-11m+6)$ (ii) $(-12m+6)$ (iii) $(-12m+9)$ (iv) $(-12m+4)$ (v) $(-13m+6)$

21. The value of $3\,(4k^2l+1)$ is

(i) $(13k^2l+3)$ (ii) $(11k^2l+3)$ (iii) $(12k^2l+6)$ (iv) $12k^2l$ (v) $(12k^2l+3)$

22. The value of $4\,(-2rs^2t+3rt^2)$ is

(i) $(-9rs^2t+12rt^2)$ (ii) $(-7rs^2t+12rt^2)$ (iii) $(-8rs^2t+10rt^2)$ (iv) $(-8rs^2t+14rt^2)$

(v) $(-8rs^2t+12rt^2)$

23. The value of $(-5n)\,(-mno+3no^2+4n)$ is

(i) $(6mn^2o-15n^2o^2-20n^2)$ (ii) $(4mn^2o-15n^2o^2-20n^2)$ (iii) $(5mn^2o-18n^2o^2-20n^2)$

(iv) $(5mn^2o-12n^2o^2-20n^2)$ (v) $(5mn^2o-15n^2o^2-20n^2)$

24. The value of $\frac{1}{2}\,(\frac{1}{2}rs+\frac{7}{6}s)$ is

(i) $(\frac{1}{6}rs+\frac{7}{12}s)$ (ii) $(\frac{1}{2}rs+\frac{7}{12}s)$ (iii) $(\frac{1}{4}rs+\frac{7}{12}s)$ (iv) $(\frac{1}{4}rs+\frac{5}{12}s)$ (v) $(\frac{1}{4}rs+\frac{3}{4}s)$

25. The value of $\frac{1}{5}ij\,(\frac{4}{5}ij+\frac{3}{4}j)$ is

(i) $(\frac{4}{25}i^2j^2+\frac{1}{20}ij^2)$ (ii) $(\frac{4}{25}i^2j^2+\frac{3}{20}ij^2)$ (iii) $(\frac{4}{23}i^2j^2+\frac{3}{20}ij^2)$ (iv) $(\frac{4}{25}i^2j^2+\frac{1}{4}ij^2)$ (v) $(\frac{4}{27}i^2j^2+\frac{3}{20}ij^2)$

26. The value of $\frac{2}{3}l\,(\frac{1}{3}jk^2l^2+\frac{1}{5}jkl)$ is

(i) $(\frac{2}{11}jk^2l^3+\frac{2}{15}jkl^2)$ (ii) $\frac{2}{9}jk^2l^3$ (iii) $(\frac{2}{9}jk^2l^3+\frac{4}{15}jkl^2)$ (iv) $(\frac{2}{9}jk^2l^3+\frac{2}{15}jkl^2)$ (v) $(\frac{2}{7}jk^2l^3+\frac{2}{15}jkl^2)$

27. The value of $\frac{1}{2}rs\,(\frac{4}{5}q^2r^2+\frac{1}{3}q^2rs^2+\frac{1}{2}qr)$ is

(i) $(\frac{2}{5}q^2r^3s-\frac{1}{6}q^2r^2s^3+\frac{1}{4}qr^2s)$ (ii) $(\frac{2}{3}q^2r^3s+\frac{1}{6}q^2r^2s^3+\frac{1}{4}qr^2s)$ (iii) $(\frac{2}{7}q^2r^3s+\frac{1}{6}q^2r^2s^3+\frac{1}{4}qr^2s)$

(iv) $(\frac{2}{5}q^2r^3s+\frac{1}{2}q^2r^2s^3+\frac{1}{4}qr^2s)$ (v) $(\frac{2}{5}q^2r^3s+\frac{1}{6}q^2r^2s^3+\frac{1}{4}qr^2s)$

28. The value of $(-5x+2)\times(-2xy-6x)$ is

(i) $(10x^2y+32x^2-4xy-12x)$ (ii) $(10x^2y+28x^2-4xy-12x)$ (iii) $(9x^2y+30x^2-4xy-12x)$

(iv) $(11x^2y+30x^2-4xy-12x)$ (v) $(10x^2y+30x^2-4xy-12x)$

29. The value of $(-5qr+7q)\times(-4q^2r^2-7q^2r)$ is

(i) $(20q^3r^3+7q^3r^2-49q^3r)$ (ii) $(21q^3r^3+7q^3r^2-49q^3r)$ (iii) $(20q^3r^3+5q^3r^2-49q^3r)$

(iv) $(20q^3r^3+9q^3r^2-49q^3r)$ (v) $(19q^3r^3+7q^3r^2-49q^3r)$

30. The value of $(7vw+5w)\times(-7vw-3)\times(-2w+6)$ is

(i) $(97v^2w^3-294v^2w^2+70vw^3-168vw^2-126vw+30w^2-90w)$

(ii) $(98v^2w^3-294v^2w^2+70vw^3-168vw^2-126vw+30w^2-90w)$

(iii) $(98v^2w^3-297v^2w^2+70vw^3-168vw^2-126vw+30w^2-90w)$

(iv) $(98v^2w^3-291v^2w^2+70vw^3-168vw^2-126vw+30w^2-90w)$

(v) $(99v^2w^3-294v^2w^2+70vw^3-168vw^2-126vw+30w^2-90w)$

31. The value of $\frac{4}{5}qr\times\frac{3}{4}q$ is

(i) $\frac{1}{5}q^2r$ (ii) q^2r (iii) $\frac{3}{5}q^2r$ (iv) $\frac{3}{7}q^2r$

32. The value of $\frac{2}{3}mn\times\frac{3}{4}\times\frac{2}{3}n\times\frac{3}{4}mn$ is

(i) $\frac{3}{4}m^2n^3$ (ii) $\frac{1}{4}m^2n^3$ (iii) $(-\frac{1}{4}m^2n^3)$ (iv) $\frac{1}{6}m^2n^3$ (v) $\frac{1}{2}m^2n^3$

33. The value of $\frac{3}{5}mn\times\frac{1}{3}m^2o$ is

(i) $\frac{1}{5}m^3no$ (ii) $\frac{1}{7}m^3no$ (iii) $\frac{1}{3}m^3no$ (iv) $(-\frac{1}{5}m^3no)$ (v) $\frac{3}{5}m^3no$

34. The value of $\frac{3}{4}c\times\frac{3}{5}a\times\frac{1}{3}ab\times\frac{4}{5}a$ is

(i) $\frac{1}{9}a^3bc$ (ii) $\frac{1}{25}a^3bc$ (iii) $\frac{3}{25}a^3bc$ (iv) $\frac{1}{5}a^3bc$ (v) $\frac{3}{23}a^3bc$

Assignment Key

1) (iii)	2) (v)	3) (i)	4) (ii)	5) (ii)	6) (iii)
7) (iii)	8) (iii)	9) (iii)	10) (ii)	11) (v)	12) (iv)
13) (i)	14) (iv)	15) (ii)	16) (ii)	17) (ii)	18) (iv)
19) (ii)	20) (ii)	21) (v)	22) (v)	23) (v)	24) (iii)
25) (ii)	26) (iv)	27) (v)	28) (v)	29) (i)	30) (ii)
31) (iii)	32) (ii)	33) (i)	34) (iii)		