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

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

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

   (i) $(-11i)$ (ii) $(-12i)$ (iii) $(-13i)$ (iv) $(-15i)$ (v) $(-9i)$

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

   (i) $(-5x^2)$ (ii) $(-6x^2)$ (iii) $(-3x^2)$ (iv) $(-9x^2)$ (v) $(-7x^2)$

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

   (i) $19p^5$ (ii) $16p^5$ (iii) $14p^5$ (iv) $17p^5$ (v) $15p^5$

5. The value of $(-2f-3) \times (3f-2)$ is

   (i) $(-4f^2-5f+6)$ (ii) $(-6f^2-5f+6)$ (iii) $(-5f^2-5f+6)$ (iv) $(-9f^2-5f+6)$ (v) $(-7f^2-5f+6)$

6. The value of $\frac{3}{5}i \times \frac{4}{5}i^2 \times \frac{1}{2}i^2$ is

   (i) $\frac{6}{23}i^5$ (ii) $\frac{4}{25}i^5$ (iii) $\frac{6}{25}i^5$ (iv) $\frac{2}{9}i^5$ (v) $\frac{8}{25}i^5$

7. The value of $\frac{1}{2} \times \frac{1}{2} \times \frac{4}{5}$ is

   (i) $\frac{1}{5}$ (ii) $\frac{3}{5}$ (iii) $\frac{1}{7}$ (iv) $\frac{1}{3}$ (v) $(-\frac{1}{5})$

8. The value of $\frac{1}{2} \times \frac{3}{4} \times \frac{2}{5}c \times \frac{3}{5}c$ is

   (i) $\frac{3}{34}c^2$ (ii) $\frac{9}{98}c^2$ (iii) $\frac{7}{100}c^2$ (iv) $\frac{9}{100}c^2$ (v) $\frac{11}{100}c^2$

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

   (i) $\frac{4}{17}k^2$ (ii) $\frac{4}{15}k^2$ (iii) $\frac{4}{13}k^2$ (iv) $\frac{2}{15}k^2$ (v) $\frac{2}{5}k^2$

10. The product of the terms $5rs, 5r, rs, (-3), (-2)$ is

    (i) $151r^3s^2$ (ii) $150r^3s^2$ (iii) $149r^3s^2$ (iv) $152r^3s^2$ (v) $147r^3s^2$

11. The product of the terms $4fh, 4fgh, (-5fgh), 3, 4$ is

(i) $(-957f^3g^2h^3)$ (ii) $(-960f^3g^2h^3)$ (iii) $(-961f^3g^2h^3)$ (iv) $(-962f^3g^2h^3)$ (v) $(-959f^3g^2h^3)$

12. The product of the terms $1, (-3), 1, 1, (-5)$ is

(i) 13 (ii) 15 (iii) 14 (iv) 16 (v) 18

13. The value of $5 \times (-8qr)$ is

(i) $(-43qr)$ (ii) $(-39qr)$ (iii) $(-40qr)$ (iv) $(-41qr)$ (v) $(-38qr)$

14. The value of $6ab \times 4b \times (-8b) \times 2b$ is

(i) $(-384ab^4)$ (ii) $(-386ab^4)$ (iii) $(-383ab^4)$ (iv) $(-385ab^4)$ (v) $(-381ab^4)$

15. The value of $9r^2t^2 \times 3r^2s^2t^2$ is

(i) $29r^4s^2t^4$ (ii) $24r^4s^2t^4$ (iii) $28r^4s^2t^4$ (iv) $26r^4s^2t^4$ (v) $27r^4s^2t^4$

16. The value of $(-8o) \times (-q) \times (-3oq) \times opq$ is

(i) $(-24o^3pq^3)$ (ii) $(-23o^3pq^3)$ (iii) $(-22o^3pq^3)$ (iv) $(-27o^3pq^3)$ (v) $(-25o^3pq^3)$

17. The value of $(-3)(-3lm-l)$ is

(i) $(8lm+3l)$ (ii) $9lm$ (iii) $(9lm+5l)$ (iv) $(10lm+3l)$ (v) $(9lm+3l)$

18. The value of $st(-3s^2-2st^2)$ is

(i) $(-3s^3t-5s^2t^3)$ (ii) $(-3s^3t)$ (iii) $(-2s^3t-2s^2t^3)$ (iv) $(-3s^3t-2s^2t^3)$ (v) $(-4s^3t-2s^2t^3)$

19. The value of $(-a)(3a^2b^2c+5)$ is

(i) $(-2a^3b^2c-5a)$ (ii) $(-4a^3b^2c-5a)$ (iii) $(-3a^3b^2c-5a)$ (iv) $(-3a^3b^2c-7a)$ (v) $(-3a^3b^2c-2a)$

20. The value of $(-3f)(5fgh^2+gh-1)$ is

(i) $(-15f^2gh^2-3fgh+3f)$ (ii) $(-15f^2gh^2-5fgh+3f)$ (iii) $(-14f^2gh^2-3fgh+3f)$

(iv) $(-16f^2gh^2-3fgh+3f)$ (v) $(-15f^2gh^2-fgh+3f)$

21. The value of $\frac{1}{4}(\frac{1}{5}uv+\frac{5}{6}u)$ is

(i) $(\frac{1}{20}uv+\frac{1}{8}u)$ (ii) $(\frac{1}{20}uv+\frac{5}{24}u)$ (iii) $(\frac{1}{22}uv+\frac{5}{24}u)$ (iv) $(\frac{1}{18}uv+\frac{5}{24}u)$ (v) $(\frac{1}{20}uv+\frac{7}{24}u)$

22. The value of $\frac{2}{5}fg(\frac{5}{4}fg^2+\frac{1}{2}fg)$ is

(i) $(\frac{1}{2}f^2g^3+\frac{3}{5}f^2g^2)$ (ii) $(f^2g^3+\frac{1}{5}f^2g^2)$ (iii) $(\frac{1}{4}f^2g^3+\frac{1}{5}f^2g^2)$ (iv) $(\frac{1}{2}f^2g^3+\frac{1}{5}f^2g^2)$ (v) $(\frac{1}{2}f^2g^3-\frac{1}{5}f^2g^2)$

23. The value of $\frac{2}{3}fh\left(\frac{1}{2}fg^2h^2+\frac{1}{3}fg\right)$ is

(i) $\left(\frac{1}{3}f^2g^2h^3+\frac{4}{9}f^2gh\right)$ (ii) $\left(f^2g^2h^3+\frac{2}{9}f^2gh\right)$ (iii) $\left(\frac{1}{5}f^2g^2h^3+\frac{2}{9}f^2gh\right)$ (iv) $\left(\frac{1}{3}f^2g^2h^3+\frac{2}{9}f^2gh\right)$

(v) $\frac{1}{3}f^2g^2h^3$

24. The value of $\frac{1}{2}lm\left(\frac{1}{2}k^2lm+\frac{2}{3}k^2m+\frac{1}{5}k\right)$ is

(i) $\left(\frac{1}{4}k^2l^2m^2+k^2lm^2+\frac{1}{10}klm\right)$ (ii) $\left(\frac{1}{6}k^2l^2m^2+\frac{1}{3}k^2lm^2+\frac{1}{10}klm\right)$ (iii) $\left(\frac{1}{2}k^2l^2m^2+\frac{1}{3}k^2lm^2+\frac{1}{10}klm\right)$

(iv) $\left(\frac{1}{4}k^2l^2m^2+\frac{1}{3}k^2lm^2+\frac{1}{10}klm\right)$ (v) $\left(\frac{1}{4}k^2l^2m^2-\frac{1}{3}k^2lm^2+\frac{1}{10}klm\right)$

25. The value of $(8kl-5k)\times(-5k+5)$ is

(i) $(-40k^2l+22k^2+40kl-25k)$ (ii) $(-41k^2l+25k^2+40kl-25k)$ (iii) $(-40k^2l+25k^2+40kl-25k)$

(iv) $(-39k^2l+25k^2+40kl-25k)$ (v) $(-40k^2l+28k^2+40kl-25k)$

26. The value of $\frac{1}{2}m\times\frac{3}{4}m$ is

(i) $\frac{1}{2}m^2$ (ii) $\frac{3}{10}m^2$ (iii) $\frac{3}{8}m^2$ (iv) $\frac{5}{8}m^2$ (v) $\frac{1}{8}m^2$

27. The value of $\frac{1}{5}o\times\frac{3}{5}op\times\frac{4}{5}op\times\frac{3}{4}p$ is

(i) $\frac{9}{127}o^3p^3$ (ii) $\frac{7}{125}o^3p^3$ (iii) $\frac{9}{125}o^3p^3$ (iv) $\frac{3}{41}o^3p^3$ (v) $\frac{11}{125}o^3p^3$

28. The value of $\frac{1}{2}rt\times\frac{1}{2}s^2$ is

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

29. The value of $\frac{1}{2}de\times\frac{1}{3}c\times\frac{1}{2}d\times\frac{1}{2}c$ is

(i) $\frac{1}{8}c^2d^2e$ (ii) $\frac{1}{24}c^2d^2e$ (iii) $\frac{1}{22}c^2d^2e$ (iv) $\left(-\frac{1}{24}c^2d^2e\right)$ (v) $\frac{1}{26}c^2d^2e$

Assignment Key

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