1. The quotient when $(-f)$ is divided by 6 is

   (i) $(-\frac{1}{2}f)$ (ii) $\frac{1}{6}f$ (iii) $(-\frac{1}{4}f)$ (iv) $(-\frac{1}{8}f)$ (v) $(-\frac{1}{6}f)$

2. The quotient when $(-4m^2)$ is divided by $(m+9)$ is

   (i) $(-4m+36)$ (ii) $(-3m+36)$ (iii) $(-6m+36)$ (iv) $(-m+36)$ (v) $(-5m+36)$

3. The quotient when $(-9q-2)$ is divided by $(q-1)$ is

   (i) (-8) (ii) (-9) (iii) (-7) (iv) (-12) (v) (-10)

4. The quotient when $(7p^2-4p+8)$ is divided by $(p+8)$ is

   (i) $(8p-60)$ (ii) $(4p-60)$ (iii) $(9p-60)$ (iv) $(7p-60)$ (v) $(6p-60)$

5. The quotient when $(-8e^2+7e)$ is divided by $(e-8)$ is

   (i) $(-9e-57)$ (ii) $(-8e-57)$ (iii) $(-6e-57)$ (iv) $(-7e-57)$ (v) $(-11e-57)$

6. The quotient when $(2p^3+5p^2+4p)$ is divided by $(p^2-10p+24)$ is

   (i) $(p+25)$ (ii) $(2p+25)$ (iii) $(5p+25)$ (iv) $(-p+25)$ (v) $(3p+25)$

7. The quotient when $(8i^4-5i^3-7i^2-8i-3)$ is divided by (i^2+8i-9) is

   (i) $(10i^2-69i+617)$ (ii) $(9i^2-69i+617)$ (iii) $(8i^2-69i+617)$ (iv) $(7i^2-69i+617)$ (v) $(5i^2-69i+617)$

8. The quotient when $(-2x^5+4x^4-2x^3-3x^2-8x+5)$ is divided by $(x-6)$ is

   (i) $(x^4-8x^3-50x^2-303x-1826)$ (ii) $(-3x^4-8x^3-50x^2-303x-1826)$

   (iii) $(-x^4-8x^3-50x^2-303x-1826)$ (iv) $(-2x^4-8x^3-50x^2-303x-1826)$

   (v) $(-4x^4-8x^3-50x^2-303x-1826)$

9. The remainder when $6b$ is divided by (-1) is

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

10. The remainder when $(-2s^2)$ is divided by $(s-6)$ is

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

11. The remainder when $(8e+6)$ is divided by $(e-4)$ is

    (i) 39 (ii) 36 (iii) 38 (iv) 41 (v) 37

12. The remainder when $(4d^2-9d)$ is divided by $(d+2)$ is

(i) 34 (ii) 33 (iii) 31 (iv) 36 (v) 35

13. The remainder when $(-6m^2-2m+9)$ is divided by $(m-2)$ is

(i) (-18) (ii) (-19) (iii) (-17) (iv) (-20) (v) (-22)

14. The remainder when (b^3+3b^2-4b) is divided by $(b^2-6b-16)$ is

(i) $(67b+144)$ (ii) $(68b+144)$ (iii) $(66b+144)$ (iv) $(65b+144)$ (v) $(64b+144)$

15. The remainder when $(5p^4-p^3-4p^2-9p+7)$ is divided by $(p+6)$ is

(i) 6616 (ii) 6612 (iii) 6614 (iv) 6611 (v) 6613

16. The remainder when $(7n^3-4n^2+8n+4)$ is divided by $(n^2-5n-14)$ is

(i) $(263n+438)$ (ii) $(262n+438)$ (iii) $(258n+438)$ (iv) $(261n+438)$ (v) $(260n+438)$

17. $(2x^3+5x^2+x-2)\div(2x^2+x-1)=$

(i) $(x-2)$ (ii) $(2x+2)$ (iii) 2 (iv) $(x+2)$ (v) $(-x+2)$

18. $(-12x^4-4x^3+71x^2-69x+18)\div(-6x^3-5x^2+33x-18)=$

(i) $(2x-1)$ (ii) $(2x+1)$ (iii) $(-2x-1)$ (iv) $(x-1)$ (v) $(3x-1)$

19. $(-36x^5+174x^4-226x^3+78x^2+22x-12)$ divided by $(18x^3-15x^2-x+2)=$

(i) $(-2x^2+8x-6)$ (ii) $(-2x^2+9x-6)$ (iii) $(-2x^2-8x-6)$ (iv) $(-2x^2+8x+6)$ (v) $(-2x^2+7x-6)$

20. $(4x^4y^3+36x^3y^3)\div 2x^2y=$

(i) $(2x^2y^2+18y^3)$ (ii) $(2x^3y^4+18xy^2)$ (iii) $(2x^2y^2+18xy^2)$ (iv) $(2x^2y^2+18xy^3z)$

(v) $(2x^3y^3+18xy^2)$

21. $(8x^3y^3z^3+48x^3y^2z^3+4x^2y^3z^3)\div 2xyz=$

(i) $(4x^2y^2z^2+24xy^2z^2)$ (ii) $(4x^3y^3z^2+24x^2yz^2+2xy^2z^2)$ (iii) $(4x^3y^4z^2+24x^2yz^2+2xy^2z^2)$

(iv) $(4x^2y^2z^2+24x^2yz^2+2xy^2z^2)$ (v) $(24x^2y^2z^3+4x^2y^2z^2+2xy^2z^2)$

22. $(16x^4+12x^3)\div 4x^2$

(i) $(-4x^2+3x)$ (ii) $(4x^2-3x)$ (iii) $(4x^2+4x)$ (iv) $(4x^2+3x)$ (v) $(3x^2+3x)$

23. $(x^4+6x^3+5x^2)\div(x^2+x)$

(i) (x^2+6x) (ii) (x^2+5x) (iii) $5x$ (iv) $(-x^2+5x)$ (v) (x^2-5x)

24. $(6x^4+54x^3-24x^2-216x)\div(3x^2+21x-54)$

(i) $(2x^2+3x)$ (ii) $(2x^2+4x)$ (iii) $(2x^2-4x)$ (iv) $(2x^2+5x)$ (v) $(-2x^2+4x)$

25. Find the remainder when $(6x^2+10x-24)$ is divided by $(3x-3)$

(i) -8 (ii) -9 (iii) -5 (iv) -7 (v) -11

Assignment Key

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