1. The slope of x-axis is

    (i) 1   (ii) -1   (iii) undefined   (iv) 0   (v) 90

2. The slope of y-axis is

    (i) undefined   (ii) 0   (iii) 90   (iv) -1   (v) 1

3. The slope of the line joining the points $((-4),(-5))$ and $((-7),(-6))$ is

    (i) $\dfrac{1}{3}$ (ii) $(\dfrac{-1}{3})$ (iii) 1   (iv) $\dfrac{1}{5}$

4. The slope of any line parallel to x-axis is

    (i) undefined   (ii) -1   (iii) zero   (iv) 90   (v) 1

5. The slope of any line parallel to y-axis is

    (i) undefined   (ii) zero   (iii) 90   (iv) 1   (v) -1

6. Any line parallel to x-axis is

    (i) an oblique line   (ii) a vertical line   (iii) a curved line   (iv) a horizontal line

7. Any line parallel to y-axis is

    (i) a curved line   (ii) an oblique line   (iii) a horizontal line   (iv) a vertical line

8. A line which is neither parallel to x-axis nor y-axis is

    (i) a vertical line   (ii) a horizontal line   (iii) an oblique line   (iv) a curved line

9. Which of the following are true?

    a) Slope of any line parallel to y-axis is not defined
    b) Slope of any line parallel to x-axis is not defined
    c) Slope of any line parallel to x-axis is zero
    d) Slope of any line parallel to y-axis is zero

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

10. Equation of the line passing through a given point (x_1, y_1) and having slope m is

    a) $(y - y_1) = m(x - x_1)$
    b) None of the above
    c) $(y - x_1) = m(x - y_1)$
    d) $(y - y_1)m = (x - x_1)$

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

11. The slope of the line passing through the points (x_1, y_1) and (x_2, y_2)

(i) $\dfrac{x_2 + y_1}{y_2 + x_1}$ (ii) $\dfrac{x_2 - x_1}{y_2 - y_1}$ (iii) $\dfrac{x_2 - y_1}{y_2 - x_1}$ (iv) $\dfrac{x_2 + x_1}{y_2 + y_1}$ (v) $\dfrac{y_2 - y_1}{x_2 - x_1}$

12. The slope of a line is the tangent of the angle made by the line with the

(i) positive x-axis (ii) positive y-axis (iii) negative y-axis (iv) negative x-axis

Assignment Key

1) (iv)	2) (i)	3) (i)	4) (iii)	5) (i)	6) (iv)
7) (iv)	8) (iii)	9) (ii)	10) (i)	11) (v)	12) (i)