Name : Slope of a Straight Line

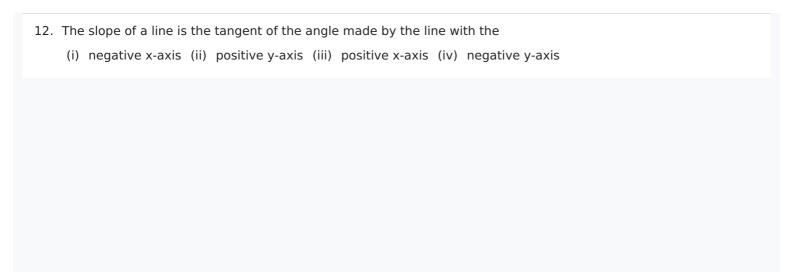
Chapter: Coordinate Geometry

Grade: SSC Grade X

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- 1. The slope of x-axis is
 - (i) 90 (ii) undefined (iii) 1 (iv) 0 (v) -1
- 2. The slope of y-axis is
 - (i) 0 (ii) undefined (iii) 90 (iv) 1 (v) -1
- 3. The slope of the line joining the points (8,(-3)) and (3,(-8)) is
 - (i) -1 (ii) 1 (iii) 2 (iv) 4 (v) 0
- 4. The slope of any line parallel to x-axis is
 - (i) zero (ii) -1 (iii) undefined (iv) 90 (v) 1
- 5. The slope of any line parallel to y-axis is
 - (i) 1 (ii) zero (iii) undefined (iv) -1 (v) 90
- 6. Any line parallel to x-axis is
 - (i) an oblique line (ii) a curved line (iii) a vertical line (iv) a horizontal line
- 7. Any line parallel to y-axis is
 - (i) an oblique line (ii) a curved line (iii) a horizontal line (iv) a vertical line
- 8. A line which is neither parallel to x-axis nor y-axis is
 - (i) an oblique line (ii) a curved line (iii) a vertical line (iv) a horizontal line
- 9. Which of the following are true?
 - a) Slope of any line parallel to y-axis is zero
 - b) Slope of any line parallel to x-axis is not defined
 - c) Slope of any line parallel to y-axis is not defined
 - d) Slope of any line parallel to x-axis is zero
 - (i) {b,d} (ii) {a,d,c} (iii) {a,c} (iv) {c,d} (v) {a,b,c}
- 10. Equation of the line passing through a given point (x_1, y_1) and having slope m is
 - a) $(y x_1) = m(x y_1)$
 - b) None of the above
 - c) $(y y_1) = m(x x_1)$
 - d) $(y y_1) m = (x x_1)$
 - (i) {a,c} (ii) {b,c} (iii) {c} (iv) {d,a,c}
- 11. The slope of the line passing through the points (x_1, y_1) and (x_2, y_2)

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



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

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