

Coordinate Geometry

Sr	Questions	Answers Choice
1	All point with $x < 0, y < 0$ lie in quadrants	A. I B. II C. III D. IV
2	The equatio of a straight line in the point slope form is written as	A. $y = m(x+c)$ B. $y - y_1 = m(x - x_1)$ C. $y = c + mx$ D. $ax + by + c = 0$
3	For what value of k, a line passing through the points $(-3, -7)$ and $(4, k)$ has gradient $3/7$?	A. 4 B. -4 C. -3 D. -7
4	The line of which equatio has slope 2 and passes through the origin.	A. $y = x+2$ B. $y = 2x+ 2$ C. $y = 2x -2$ D. $y = 2x$
5	The equatio of a line in symmertic fom is.	A. $x/a + y/b = 1$ B. $x-x_1/1 + y-y_1/m = z -z_1/1$ C. $ax + by + c = 0$ D. $y - y_1 = m(x-x_1)$
6	If m_1 and m_2 are slopes of two parallel lines them	A. $m_1 \times m_2 = 0$ B. $m_1 + m_2 = 0$ C. $m_1 - m_2 = 0$ D. $m_1 \times m_2 = -1$
7	All points (x, y) with $x < 0, y < 0$ lie in quadrant	A. I B. II C. III D. IV
8	If x-coordinates of two points ar esame then line passing through them is perpendicular to	A. x-axis B. y -axis C. Origin D. anly line
9	If x -coordinates of two points are same then line passing through them is parallel to	A. x-axis B. y -axis C. origin D. arry line
10	Which of the following is nt on the y- axis	A. (oo) B. (o,e) C. (0,f) D. (g,0)
11	The equation of line in normal form is	A. $y = mx+c$ B. $y/a = y/b = 1$ C. $x-x_1/\cos a = y -y_1/\sin a$ D. $y -y_1 = m(x -x_1)$
12	All points (x, y) with $x < 0, y < 0$ lie in quadratn.	A. I B. II C. III D. IV
13	If a lineof slope $= -3$ passes through origin and $P(3, k)$ the value of k is.	A. 3 B. -3 C. 9 D. -9
14	The gradient of two parallel line is	A. Equal B. Zero C. Negative reciprocals of eath other D. Always underfined
15	If y-coordinates of two points are same then line passing through them is perpendicular to.	A. x-axis B. y-axis C. origin D. ..

D. any line

16 The midpoint of a line segment with endpoints(-2,4) and (6, -2) is.

- A. (4,2)
- B. (2,1)
- C. (1,1)
- D. (0,0)

17 Distance between two point P (1,2) AND (4,6) is

- A. 5
- B. 6
- C. 3
- D. 4

18 The line of which equation bisect the 2nd and 4th quadrant.

- A. $x - y = 0$
- B. $x + y = 0$
- C. $y = -4x$
- D. $y = -6x$

19 If m_1 and m_2 are slopes of two perpendicular lines then

- A. $m_1 \times m_2 = 0$
- B. $m_1 + m_2 = 0$
- C. $m_1 - m_2 = 0$
- D. $m_1 \times m_2 = -1$

20 Which of the following is not on the x-

- A. (0,0)
- B. (a,0)
- C. (b,0)
- D. (g,0)