

FA Part 2 Mathematics Chapter 4 Test Online

Sr	Questions	Answers Choice
1		A. Parallel lines B. Non-parallel lines C. Perpendicular lines D. Coplanar lines
2	Joint equation of $y + 2x = 0$, $y - 3x = 0$ is:	A. $(y+2x)(y-3x) = 0$ B. $(y-2x)(y-3x) = 0$ C. $(y+2x)(y+3x) = 0$ D. $(y-2x)(y+3x) = 0$
3	A parallelogram is a rhombus if and only if its diagonals are:	A. Parallel B. Perpendicular C. Equal D. None of these
4		A. 4 B. 2 C. 1
5	The ratio in which y-axis divides the line joining (2, -3) and (-5, 6) is:	A. 2 : 3 B. 2 : 5 C. 1 : 2 D. 3 : 5
6	The coordinate axes divide the plane into----- equal parts:	A. 1 B. 2 C. 3 D. 4
7	If the inclination of a line lies between $]90^\circ, 180^\circ[$, then the slope of line is :	A. Positive B. Negative C. Zero D. undefined
8	$y - y_1 = m (x - x_1)$ is the equation of straight line in:	A. Slope-intercept form B. Point-slope form C. Normal form D. Intercepts form
9	$x = c$ is a line:	A. Perpendicular to x-axis B. Parallel to x-axis C. Perpendicular to y-axis D. None of these
10	Angle between the lines $x + y + 1 = 0$ & $x - y + 4 = 0$ is:	A. 30° B. 45° C. 60° D. 90°
11	The vertical line $y'Oy$ is called:	A. x-axis B. y-axis C. abscissa D. Ordinate
12	A pair of lines of homogeneous second degree equation $ax^2 + 2hxy + by^2 = 0$ are othogonal, if:	A. $a - b = 0$ B. $a + b = 0$ C. $a + b \geq 0$ D. $a - b \leq 0$
13	The line $y = c$ is above the x - axis, if:	A. $c \geq 0$ B. $c \leq 0$ C. $c = 0$
14	The ratio in which x-axis divides the line segment joining the points:	A. 1 : 1 B. 1 : 3 C. 1 : 5 D. 1 : 2
15	If a straight line is perpendicular to x-axis, then its slope is:	A. 0 B. 1 C. 2 D. Undefined
		A. 3 - -

16	Distance of the point (-3, 7) from x-axis is:	B. -3 C. 7 D. 10
17	y-coordinate of any point on X-axis:	A. 0 B. x C. y D. 1
18	X-coordinate of any point on Y-axis:	A. 0 B. x C. y D. 1
19	The symbol is used for:	A. Parallel lines B. Perpendicular lines C. Non-parallel lines D. None of these
20	$x = 4$ is a line:	A. Parallel to x - axis B. Parallel to y - axis C. Perpendicular to y-axis D. None of these