

## FA Part 2 Mathematics Chapter 4 Test Online

Sr	Questions	Answers Choice
1	The horizontal line $x' ox$ is called:	A. x-axis B. y-axis C. abscissa D. ordinate
2	The equation of a straight line which parallel to the line $3x - 2y + 5 = 0$ and passes through $(2, -1)$ is:	A. $3x + 2y - 8 = 0$ B. $3x - 2y + 8 = 0$ C. $3x - 2y - 8 = 0$ D. $3x + 2y + 8 = 0$
3	Question Image	A. 0 B. 2 C. 1 D. -1
4	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. $a + b > 0$ D. $a - b < 0$
5	If $(2, 1)$ is the mid point of the line segment joining the points $(2, x)$ & $(2, -5)$ then $x =$	A. 1 B. 2 C. 7 D. -7
6	If the directed distances $AP$ and $PB$ have same signs, then their ratio is positive and $P$ is said to divide $AB$ :	A. Internally B. May be divide C. Externally D. None of these
7	If $a = 0$ , then the line $ax + by + c = 0$ is parallel to:	A. y - axis B. x - axis C. along y - axis D. None of these
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	If $(x, y)$ are the coordinate of a point ordered pair is called:	A. Abscissa B. Ordinate C. Coordinate D. Ordered pair
10	If the inclination of the line $l$ lies between $]0^\circ, 90^\circ[$ , then the slope of $l$ is:	A. Positive B. Negative C. Undefined D. None of these
11	The line $y = c$ is above the x - axis, if:	A. $c > 0$ B. $c < 0$ C. $c = 0$
12	If a straight line is perpendicular to x-axis, then its slope is:	A. 0 B. 1 C. 2 D. Undefined
13	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
14	If $(x, y)$ are the coordinates of a point, then the first component of the ordered pair is called:	A. Abscissa B. Ordinate C. Coordinate axes D. None of these
15	Angle between the lines $x + y + 1 = 0$ & $x - y + 4 = 0$ is:	A. $30^\circ$ B. $45^\circ$ C. $60^\circ$ D. $90^\circ$

16	$x = c$ is a line:	A. Perpendicular to x-axis B. Parallel to x-axis C. Perpendicular to y-axis D. None of these
17	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
18	The distance between the points (1, 2), (2, 1).	A. 1 D. 2
19	Two non parallel lines intersect each other at:	A. 1 point B. 2 points C. 3 points D. 4 points
20	Point of intersection of $x + y = 5$ & $x - y = 3$ is:	A. (5, 5) B. (4, 2) C. (4, 1) D. (1, 4)