

FSC Part 2 Mathematics Chapter 4 Online Test

Sr	Questions	Answers Choice
1	The line l is horizontal if and only if slope is equal to:	A. 0 B. 1 C. 2 D. undefined
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Parallel lines B. Non-parallel lines C. Perpendicular lines D. Coplanar lines
3	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. $a - b < 0$
4	$y = -2$ is a line:	A. Parallel to x-axis B. Parallel to y-axis C. Perpendicular to x-axis D. None of these
5	The perpendicular distance of the line $3x + 4y + 10 = 0$ from the origin is:	A. 0 B. 1 C. 2 D. 3
6	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. $3x + 2y + 8 = 0$
7	Distance of the point $(-3, 7)$ from x-axis is:	A. 3 B. -3 C. 7 D. 10
8	The symbol $ $ is used for:	A. Parallel lines B. Perpendicular lines C. Non-parallel lines D. None of these
9	If a pair of opposite sides of a quadrilateral are equal and parallel then it is:	A. Rectangle B. Rhombus C. Parallelogram D. None of these
10	The horizontal line $x' ox$ is called:	A. x-axis B. y-axis C. abscissa D. ordinate
11	$y = 2x + 3$ is the;	A. Slope-intercept form B. Two points form C. Point slope form D. Intercepts form
12	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
13	If a straight line is perpendicular to x-axis, then its slope is:	A. 0 B. 1 C. 2 D. Undefined
14	The vertical line $y' oy$ is called:	A. x-axis B. y-axis C. abscissa D. Ordinate
15	If the directed distances AP and PB have the opposite signs, i.e; p is beyond AB, then their ratio is negative and P is said to divide AB:	A. Internally B. May divide C. Externally D. None of these

16	$y = mx + c$ is the equation of straight line in:	A. Slope-intercept form B. Two points from C. Point slope form D. Intercepts form
17	If (x, y) are the coordinate of a point ordered pair is called:	A. Abscissa B. Ordinate C. Coordinate D. Ordered pair
18	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
19	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
20	Point of intersection of $x + y = 5$ & $x - y = 3$ is:	A. (5, 5) B. (4, 2) C. (4, 1) D. (1, 4)