FA Part 2 Mathematics Chapter 4 Test Online

Sr	Questions	Answers Choice
1	x = c is a line:	A. Perpendicular to x-axis B. Parallel to x-axis C. Perpendicular to y-axis D. None of these
2	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
3	X-coordinate of any point on Y-axis:	A. 0 B. x C. y D. 1
4	Question Image	A. Parallel lines B. Non-parallel lines C. Perpendicular lines D. Coplanar lines
5	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
6	The distance between two points P_1 (x_1, y_1) and P_2 (x_2, y_2) on the co-ordinate plane is given by:	
7	Inclination of Y-axis or of any line parallel to Y-axis is:	B. Zero D. Undefined
8	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
9	The vertical line y'oy is called:	A. x-axis B. y-axis C. abscissa D. Ordinate
10	If the inclination of a line lies between]90°, 180°[, then the slope of line is :	A. Positive B. Negative C. Zero D. undefined
11	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
12	Question Image	
13	Equation of a line parallel to x-axis:	A. x = 0 B. x = y C. y = a D. x = a
14	The line x = a is on the right of y - axis if:	A. a > 0 B. a < 0 C. a = 0
15	Two non parallel lines intersect each other at:	A. 1 point B. 2 points C. 3 points D. 4 points
16	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
17	A parallelogram is a rhombus if and only if its diagonals are:	A. Parallel B. Perpendicular C. Equal

		C. Equal D. None of these
18	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
19	Equation of the line parallel to x + 3y - 9 = 0 is:	A. 3x - y - 9 = 0 B. 3x + 9y + 7 = 0 C. 2x - 6y - 18 = 0 D. x - 3y + 9 = 0
20	Distance of the point (-3, 7) from x-axis is:	A. 3 B. -3 C. 7 D. 10