FA Part 2 Mathematics Chapter 4 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. Parallel lines B. Non-parallel lines C. Perpendicular lines D. Coplanar lines
2	For any point (x, y) and y - axis:	A. y = 0 B. y = -1 C. y = 1 D. x = 0
3	Question Image	A. Line parallel to x-axis B. Line parallel to y-axis C. Line passing through the origin D. Both (a) and (b)
4	General form of equation of line is:	A. ax - by + c = 0 B. ax + by - c = 0 C. ax + by + c = 0 D. ax - by - c = 0
5	Distance of the point (-3, 7) from x-axis is:	A. 3 B. -3 C. 7 D. 10
6	If (1, x) is the mid point of the line segment joining the points (1, 2) & (1, 6) then x =	A. 1 B. 2 C. 3 D. 4
7	The line y = a is below the x-axis, if:	A. a > 0 B. a < 0 C. a = 0
8	Question Image	A. Line parallel to x-axis B. Line parallel to y-axis C. Line passing through the origin D. Both (a) and (b)
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	y - ordinate of the centroid of triangle with vertices A(-2, 3) B(-4, 1), C(3, 2) is:	A. 3 B. 1 C. 2 D. 0
11	Question Image	
12	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
13	The distance of any point P (x, y) from the origin O(0 , 0) is given by:	
14	The equation to the straight line which passes through the point (2, 9) and makes an angle of 45° with x-axis is:	A. x + y + 7 = 0 B. x - y + 7 = 0 C. y - x + 7 = 0 D. None of these
15	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
16	X-coordinate of any point on Y-axis:	A. 0 B. x C. y D. 1
		A. Circle

17	A linear equation in two variables represents:	B. Ellipse C. Hyberbola D. Straight line
18	The centroid of the triangle whose vertices are (3, -5), (-7, 4) and (10, -2) is:	A. (-2, -2) B. (-2, 2) C. (2, -1) D. (0, 0)
19	The line l is horizontal if and only if slope is equal to:	A. 0 B. 1 C. 2 D. undefined
20	If the inclination of the line l lies between]0°, 90°[, then the slope of l is:	A. Positive B. Negative C. Undefined D. None of these