FA Part 2 Mathematics Chapter 4 Test Online

Sr	Questions	Answers Choice
1	If the inclination of a line lies between]90°, 180°[, then the slope of line is :	A. Positive B. Negative C. Zero D. undefined
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	The point of intersection of the medians of a triangle is called:	A. Centroid B. Ortho-center C. Circums-center D. In-center
4	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
5	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
6	Question Image	A. 0 B. 2 C. 1 D. -1
7	The line y = a is below the x-axis, if:	A. a > 0 B. a < 0 C. a = 0
8	For any point (x, y) and y - axis:	A. y = 0 B. y = -1 C. y = 1 D. x = 0
9	The vertical line y'oy is called:	A. x-axis B. y-axis C. abscissa D. Ordinate
10	The centroid of a triangle is a point that divides each median in the ratio:	A. 2 : 1 B. 2 : 3 C. 1 : 3 D. 4 : 3
11	If a straight line is perpendicular to y-axis, then its slope is:	A. 1 B. -1 C. 0 D. undefined
12	The ratio in which the line segments joining (2, 3) and (4, 1) is divided by the line joining (1, 3) and (4, 3) is:	A. 2 : 1 B. 3 : 1 C. 1 : 2 D. 1 : 1
13	X-coordinate of any point on Y-axis:	A. 0 B. x C. y D. 1
14	If (x, y) are the coordinate of a point ordered pair is called:	A. Abscissa B. Ordinate C. Coordinate D. Ordered pair
15	y - y1 = m (x - x1) is the equation of straight line in:	A. Slope-intercept from B. Point-slope from C. Normal form D. Intercepts form

16	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:	
17	The point (2, 5) lies the lie 3x - y + 1 = 0	A. Above B. Below C. On D. None
18	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
19	The coordinate axes divide the plane into---------- equal parts:	A. 1 B. 2 C. 3 D. 4
20	Question Image	D. 2