FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	y = 2x + 3 is the;	A. Slope-intercept form B. Two points form C. Point slope form D. Intercepts form
2	Question Image	
3	The term function was introduced by:	A. Euler B. Newton C. Lagrange D. Leibniz
4	Gottfried Whilhelm Leibniz was a (an) ----- mathematician:	A. German B. English C. Swiss D. French
5	y = b is a horizontal line perpendicular to _____:	A. x - axis B. y - axis may be C. y - axis D. None of these
6	The focus of the parabola $y^2=-4ax$ is:	A. (-a , 0) B. (0, a) C. (0, -a) D. (a, 0)
7	Question Image	A. Line B. Parabola C. Ellipse D. Hybperbola
8	The vertical line y'oy is called:	A. x-axis B. y-axis C. abscissa D. Ordinate
9	Zero vector is perpendicular to:	A. Every vector B. Unit vector only C. Position vector only D. Not any vector
10	Question Image	
11	Question Image	A. sin x B. -cos x C. -sin x D. cos x
12	Let $f(x) = x^2 + 3$, then domain of f is:	A. Set of all integers B. Set of natural numbers C. Set of real numbers D. Set of rational numbers
13	Question Image	A. sech x tanh x B. -sech x tanhx C. sech² x D. -sech²x
14	Measure of the central angle of a minor arc is ____ the measure of the angle subtended in the corresponding major arc.	A. Equal B. Double C. Not equal to D. Triple
15	Question Image	A. Continuous at x = 1 B. Not continuous at x = 1 C. Both a and b D. none
16	The non-negative inequalities are called:	A. Parameters B. Constants C. Decision variables D. Vertices

17	$Cosh^2 x + Sinh^2 x =$	A. Cosh x² B. Cosh 2x C. Sinh 2x D. Tanh 2x
18	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
19	Question Image	A. 4, -4 B. 0 C. 2, -2 D. 0, 4
20	x = c is a vertical line parallel to _____.	A. x-axis B. y-axis may be C. y-axis D. None of these