FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	Point p (-5, 6) lies .... the circle $x^2 + y^2 + 4x - 6y - 12 = 0$	A. Outside B. Inside C. On D. None of these
2	The line l is horizontal if and only if slope is equal to:	A. 0 B. 1 C. 2 D. undefined
3	Inverse hyperbolic functions are expressed in terms of natural:	A. Numbers B. Exponential C. Logarithms D. Sines
4	If a variable y depends on a variable x in such a way that each value of x determines exactly one value of y, then y is a _____ of x.	A. Independent variable B. Not function C. Function D. None of these
5	The equi. of latus-rectum of the parabola $y^2 = -4ax$ is:	A. x = a B. x = -a C. y = a D. y = -a
6	Question Image	A. Lagrange B. Newtown C. Leibniz D. Cauchy
7	Question Image	A. 2 - 7 B. 2 + 7
8	If the equation of the parabola is $y2 = 4ax$, then opening of the parabola is to the right of the:	A. x-axis B. y = x C. y-axis D. x + y =0
9	Question Image	A. x = a B. x = 2 C. x = 0 D. None
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 (x, y) are the coordinate of a point ordered pair is called:	A. Abscissa B. Ordinate C. Coordinate D. Ordered pair
12	Question Image	A. Even B. Odd C. One-one D. Zero
13	Question Image	A. x = 0 B. y = -a C. y = 0 D. y = -a
14	For a square of side x units, the rate of change of area with respect to the side is given by:	A. x B. x^2 C. 2x D. 2
15	Question Image	A. c B. 0 C. 1 D. -c
		A. e = 1

16	The conic is a parabola, if:	B. e > 1 C. 0 < e < 1 D. e = 0
17	Parametric equations x = a cos t, y = a sin t represent the equation of:	A. Line B. Circle C. Parabola D. Ellipse
18	The center of circle $(x+3)^2 + (y-2)^2 = 16$ equals:	A. (-3, 2) B. (3, -2) C. (3, 2) D. (-3, -2)
19	Distance of the point (-3, 7) from x-axis is:	A. 3 B. -3 C. 7 D. 10
20	If y = f(u) and u = F(x), then:	