FA Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	For any point (x, y) on x-axis:	A. y = 1 B. y = 0 C. y = -1 D. y = 2
2	The number e denotes the _____ of the conic:	A. Directrix B. Vertex C. Focus D. Eccentricity
3	Inverse hyperbolic functions are expressed in terms of natural:	A. Numbers B. Exponential C. Logarithms D. Sines
4	The point of intersection of the perpendicular bisectors of a triangle is called:	A. Centroid B. Ortho-center C. Circums-center D. In-center
5	Question Image	A. sinh x B. cosh x C. -sinh x D. -cosh x
6	Question Image	A. tan x + c B. -tan x + c C. sec x + c D. -sec x + c
7	The equ. of directrix of the parabola $y^2 = -4ax$ is:	A. x = a B. x = - a C. y = a D. y = -a
8	Question Image	
9	If $y = x^2 + 1$ _____ x changes from 3 to 3.02 then dy = _____	A. 0.1204 B. .12 C. .02 D. 1.2
10	Question Image	A. sin x B. cos x C. sinh x D. cosh x
11	Question Image	A. 0 B. 1 C. 2 D. 4
12	Question Image	A. cos x + c B. - cos x + c C. sin x + c D. -sin x + c
13	Let f(x) = cos x, then f(x) is an:	A. Even function B. Odd function C. Power function D. None of these
14	Question Image	A. 90° B. 30° C. 60° D. 0°
15	Question Image	A. Left or right B. Upper or lower C. Open D. None of these
16	For different values of k, the equation 4x + 5y = k represents lines _____ to the line 4x + 5y = 0.	A. Perpendicular B. Parallel C. Equal

		D. None of these
17	Length of tangent from (a, 0) to the circle $x^2 + y^2 + 2gx + 2fy + c = 0$ is:	B. c C. 2g + 2f -c D. None
18	Question Image	A. Constant B. Implicit C. Explicit D. Inverse
19	The axis of the parabola $x^2 = -4ay$ is:	A. x = a B. x = 0 C. y = a D. y = 0
20	A line segment whose end points lie on the circle is called a _____ of the circle.	A. Radius B. Chord C. Diameter D. None of these