FA Part 2 Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. Continuous at x = 1 B. Not continuous at x = 1 C. Both a and b D. none
2	Question Image	A. 0 B. 2 C. 1 D. 3
3	Question Image	A. Parabola B. Hyperbola C. Ellipse D. Circle
4	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
5	Question Image	A. Constant B. Implicit C. Identity D. Inverse
6	Question Image	A. sin x B. cos x C. sinh x D. cosh x
7	f (x) = x secx, then f(0)=	A. -1 B. 0 C. 1
8	x = 3 cos t, y = 3 sin t represent	A. Line B. Circle C. Parabola D. Hyperbola
9	$x^2 + y^2 = 4$ is:	A. Function B. Not a function C. Ellipse D. Line
10	Which one is an exponential function ?	
11	Question Image	A. Implicit B. Explicit C. Exponential D. Logarithmic
12	Which one is an identity function ?	B. f(x) = g(x) C. f (x) = x D. f(x) = 1
13	Question Image	
14	If y is an image of x under the function f, we denote it by:	A. x = f(y) B. x = y C. y = f(x) D. f(x, y) = c
15	Which one is not an exponential function ?	
16	Parametric equations x = a cos t, y = a sin t represent the equation of:	A. Line B. Circle C. Parabola D. Ellipse
17	If the degree of a polynomial function is ----------, then it is called a linear function:	A. 0 B. 1 C. 2 D. 3

18	Let $f(x) = x^2$, real valued function then domain of f is the set of all:	A. Real numbers B. Integers C. Positive numbers D. Natural numbers
19	Question Image	A. Common logarithmic B. Natural logarthmic C. Exponential D. None of these
20	$\text{Cosh}^2 x + \text{Sinh}^2 x =$	A. Cosh x² B. Cosh 2x C. Sinh 2x D. Tanh 2x