FA Part 2 Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. Common logarithmic B. Natural logarithmic C. Exponential D. None of these
2	Question Image	A. Constant B. Implicit C. Identity D. Inverse
3	If the degree of a polynomial function is ----------, then it is called a linear function:	A. 0 B. 1 C. 2 D. 3
4	Question Image	A. Continuous at x = 1 B. Not continuous at x = 1 C. Both a and b D. none
5	Question Image	A. Implicit B. Explicit C. Exponential D. Logarithmic
6	$x^2 + y^2 = 4$ is:	A. Function B. Not a function C. Ellipse D. Line
7	A function, in which the variable appears as exponent (power), is called a / an -------- function.	A. Constant B. Explicit C. Exponential D. Inverse
8	Question Image	A. sin x B. cos x C. sinh x D. cosh x
9	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
10	Question Image	
11	Which one is a constant function ?	A. f(x) = x² B. f(x) = x C. f(x) = x + 1 D. f(x) = 14
12	Let f(x) = cos x, then f(x) is an:	A. Even function B. Odd function C. Power function D. None of these
13	Parametric equations x = a cos t, y = a sin t represent the equation of:	A. Line B. Circle C. Parabola D. Ellipse
14	Let $f(x) = x^3 + \sin x$, then f(x) is:	A. Even function B. Odd function C. Power function D. None of these
15	Question Image	A. R B. R - {2} C. R - {2, -2} D. R - {-2}
16	Question Image	A. 1 B. 2 C. 3

		D. 4
17	Question Image	A. f(x² + 1) B. f(x) D. f(x²)
18	f(x) is odd function. If and only if:	A. f(-x) = -f(x) B. f(-x) = f(x) C. f(x) = 3f(-x) D. f(x) = -3f(-x)
19	The function y = ln x is a/an ---------- function of x.	A. Constant B. Explicit C. Exponential D. Logarithmic
20	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