FA Part 2 Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	$Cosh^2 x + Sinh^2 x =$	A. Cosh x² B. Cosh 2x C. Sinh 2x D. Tanh 2x
2	Which one is an identity function ?	B. f(x) = g(x) C. f (x) = x D. f(x) = 1
3	$\cosh^{-1}x =$	
4	Question Image	A. Constant B. Implicit C. Explicit D. Inverse
5	Question Image	A. Continuous at x = 1 B. Not continuous at x = 1 C. Both a and b D. none
6	If the degree of a polynomial function is ----------, then it is called a linear function:	A. 0 B. 1 C. 2 D. 3
7	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)
8	If y = (x), then the variable x is called --------- variable of a function f.	A. Dependent B. Independent C. Image of y D. None of these
9	The area A of a circle as a function of its circumference C is:	
10	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
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	The function y = ln x is a/an ---------- function of x.	A. Constant B. Explicit C. Exponential D. Logarithmic
13	Question Image	
14	The symbol y = f(x) i.e. y is equal to f of x, invented by Swiss mathematician----------:	A. Euler B. Cauchy C. Leibniz D. Newton
15	Let f(x) = cos x, then f(x) is an:	A. Even function B. Odd function C. Power function D. None of these
16	A function, in which the variables are _____ numbers, then function is called a real valued function of real numbers.	A. Complex B. Rational C. Real D. None of these
17	The range of the function f(x) = |x|	
18	Question Image	A. R B. R - {2}

		C. R - {2, -2} D. R - {-2}
19	If f(x) = |x|, f(x) is a:	A. Constant function B. Absolute function C. Linear function D. Quadratic function
20	Let $f(x) = x^3 + \sin x$, then f(x) is:	A. Even function B. Odd function C. Power function D. None of these