FA Part 2 Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. 0 B. 2 C. 1 D. 3
2	Which one is an identity function ?	B. f(x) = g(x) C. f (x) = x D. f(x) = 1
3	Question Image	A. 4, -4 B. 0 C. 2, -2 D. 0, 4
4	A function, in which the variable appears as exponent (power), is called a / an -------- function.	A. Constant B. Explicit C. Exponential D. Inverse
5	Question Image	A. R B. R - {2} C. R - {2, -2} D. R - {-2}
6	The linear function f(x) = ax + b is an identity function if:	A. a = 0, b = 1 B. a = 1, b = 0 C. a = 1, b = 1 D. a = 0, b = 1
7	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
8	Question Image	A. 1 B. 2 C. 3 D. 4
9	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
10	If f(x) = |x|, f(x) is a:	A. Constant function B. Absolute function C. Linear function D. Quadratic function
11	Question Image	A. Constant B. Implicit C. Identity D. Inverse
12	Question Image	A. Constant B. Implicit C. Explicit D. Inverse
13	Which one is a constant function ?	A. f(x) = x² B. f(x) = x C. f(x) = x + 1 D. f(x) = 14
14	Which one is not an exponential function ?	
15	Question Image	A. Common logarithmic B. Natural logarthmic C. Exponential D. None of these
16	Question Image	A. Implicit B. Explicit C. Exponential

		D. Logarithmic
17	Let f(x) = cos x, then f(x) is an:	A. Even function B. Odd function C. Power function D. None of these
18	The area A of a circle as a function of its circumference C is:	
19	f (x) = x secx, then f(0)=	A. -1 B. 0 C. 1
20	$Cosh^2 x - Sinh^2 x =$	A. 1 B. -1 C. 2 D. -2