FA Part 2 Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	Which one is an exponential function ?	
2	Question Image	A. Parabola B. Hyperbola C. Ellipse D. Circle
3	Which one is a constant function ?	A. f(x) = x² B. f(x) = x C. f(x) = x + 1 D. f(x) = 14
4	If the degree of a polynomial function is ----------, then it is called a linear function:	A. 0 B. 1 C. 2 D. 3
5	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
6	Question Image	A. 0 B. 2 C. 1 D. 3
7	If a function f is from a set X to a set Y, then set X is called the _____ of f:	A. Domain B. Range C. Co-domain D. None of these
8	The term function was introduced by:	A. Euler B. Newton C. Lagrange D. Leibniz
9	Question Image	A. f(x² + 1) B. f(x) D. f(x²)
10	Which one is not an exponential function ?	
11	The function y = ln x is a/an ---------- function of x.	A. Constant B. Explicit C. Exponential D. Logarithmic
12	A function $P(x) = 6x^4 + 7x^3 + 5x + 1$ is called a polynomial function of degree -------- with leading coefficient -------.	A. 4, 6 B. 2, 7 C. 2, 3 D. 2, 5
13	$x^2 + y^2 = 4$ is:	A. Function B. Not a function C. Ellipse D. Line
14	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)
15	The area A of a circle as a function of its circumference C is:	
16	Which one is an identity function ?	B. f(x) = g(x) C. f (x) = x D. f(x) = 1
17	Let $f(x) = x^3 + \sin x$, then f(x) is:	A. Even function B. Odd function C. Power function D. None of these

18	Question Image	A. Implicit B. Explicit C. Exponential D. Logarithmic
19	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
20	Question Image	A. Constant B. Implicit C. Explicit D. Inverse