FA Part 2 Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	A function, in which the variable appears as exponent (power), is called a / an -------- function.	A. Constant B. Explicit C. Exponential D. Inverse
2	Question Image	A. 1 B. 2 C. 3 D. 4
3	Question Image	A. Constant B. Implicit C. Explicit D. Inverse
4	$x^2 + y^2 = 4$ is:	A. Function B. Not a function C. Ellipse D. Line
5	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
6	Question Image	A. Constant function B. Absolute linear function C. Linear function D. Quadratic function
7	Question Image	A. 4, -4 B. 0 C. 2, -2 D. 0, 4
8	$f(x)$ is odd function. If and only if:	A. $f(-x) = -f(x)$ B. $f(-x) = f(x)$ C. $f(x) = 3f(-x)$ D. $f(x) = -3f(-x)$
9	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
10	If $f(x) = |x|$, $f(x)$ is a:	A. Constant function B. Absolute function C. Linear function D. Quadratic function
11	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
12	Let $f(x) = x^2$, then range of f is the set of all:	A. Real numbers B. Non-negative real numbers C. Non-negative integers D. Complex numbers
13	If x and y are so mixed up and y cannot be expressed in terms of the independent variable x, then y is called a/an ---- function of x.	A. Constant B. Explicit C. Implicit D. Inverse
14	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
15	Question Image	A. 4 B. Does not exist
16	$\cosh^{-1}x =$	

17	The function y = ln x is a/an -------------- function of x.	A. Constant B. Explicit C. Exponential D. Logarithmic
18	Question Image	A. Even B. Odd C. One-one D. Zero
19	Which one is a constant function ?	A. $f(x) = x^2$ B. $f(x) = x$ C. $f(x) = x + 1$ D. $f(x) = 14$
20	The term function was introduced by:	A. Euler B. Newton C. Lagrange D. Leibniz