

## FA Part 2 Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	Which one is not an exponential function?	
2	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
3	Parametric equations x = a cos t, y = a sin t represent the equation of:	A. Line B. Circle C. Parabola D. Ellipse
4	$\cosh^2 x + \sinh^2 x =$	A. Cosh x <sup>2</sup> B. Cosh 2x C. Sinh 2x D. Tanh 2x
5	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
6	Question Image	A. sin x B. cos x C. sinh x D. cosh x
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	Inverse hyperbolic functions are expressed in terms of natural:	A. Numbers B. Exponential C. Logarithms D. Sines
9	Question Image	A. 0 B. 1 C. e D. Does not exist
10	Question Image	A. Continuous at x = 1 B. Not continuous at x = 1 C. Both a and b D. none
11	The term function was introduced by:	A. Euler B. Newton C. Lagrange D. Leibniz
12	Every relation, which can be represented by a linear equation in two variables, represents a:	A. Graph B. Function C. Cartesian product D. Relation
13	A function, in which the variable appears as exponent (power), is called a / anfunction.	A. Constant B. Explicit C. Exponential D. Inverse
14	The area A of a circle as a function of its circumference C is:	
45	Quarties Image	A. R B. R - {2}
15	Question Image	C. R - {2, -2} D. R - {-2}
16	Question Image	A. Undefined B. 3a <sup>2</sup> C. a <sup>2</sup> D. 0

7	Question Image	A. Even B. Odd C. One-one D. Zero
8	If $f(x) =  x $ , $f(x)$ is a:	A. Constant function B. Absolute function C. Linear function D. Quadratic function
9	Which one is an identity function ?	B. $f(x) = g(x)$ C. $f(x) = x$ D. $f(x) = 1$
20	Question Image	A. Constant B. Implicit C. Explicit D. Inverse