

FA Part 2 Mathematics Chapter 1 Test Online

Qr.	Questions	Answers Choice
Sr	QUESTIOLIS	
1	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
2	The area A of a circle as a function of its circumference C is:	
3	Question Image	A. Constant function B. Absolute linear function C. Linear function D. Quadratic function
4	Question Image	A. Constant B. Implicit C. Explicit D. Inverse
5	$f(x) = x \sec x$, then $f(0)=$	A1 B. 0 C. 1
6	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. $f(x) = -3f(-x)$
7	Which one is not an exponential function?	
8	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
9	Question Image	A. Parabola B. Hyperbola C. Ellipse D. Circle
10	Let $f(x) = x^3 + \sin x$, then $f(x)$ is:	A. Even function B. Odd function C. Power function D. None of these
11	Let $f(x) = \cos x$, then $f(x)$ is an:	A. Even function B. Odd function C. Power function D. None of these
12	A function, in which the variable appears as exponent (power), is called a / anfunction.	A. Constant B. Explicit C. Exponential D. Inverse
13	Question Image	A. Continuous at x = 1 B. Not continuous at x = 1 C. Both a and b D. none
14	Question Image	A. 4 B. Does not exist
15	Which one is an exponential function ?	555 5755
16	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
17	$x = 3 \cos t$, $y = 3 \sin t$ represent	A. Line B. Circle C. Parabola D. Hyperbola
		$\underbrace{A.}_{-} x = f(y)$

18	If y is an image of x under the function f, we denote it by:	B. $x = y$ C. $y = f(x)$ D. $f(x, y) = c$
19	Question Image	A. R B. R - {2} C. R - {2, -2} D. R - {-2}
20	Question Image	A. Undefined B. 3a ² C. a ² D. 0