

FA Part 2 Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. Parabola B. Hyperbola C. Ellipse D. Circle
2	Question Image	A. Constant function B. Absolute linear function C. Linear function D. Quadratic function
3	Question Image	A. $\sin x$ B. $\cos x$ C. $\sinh x$ D. $\cosh x$
4	Question Image	A. 0 B. 2 C. 1 D. 3
5	$\cosh^{-1}x =$	
6	Inverse hyperbolic functions are expressed in terms of natural:	A. Numbers B. Exponential C. Logarithms D. Sines
7	The area A of a circle as a function of its circumference C is:	
8	Question Image	A. Common logarithmic B. Natural logarithmic C. Exponential D. None of these
9	$f(x) = x \sec x$, then $f(0) =$	A. -1 B. 0 C. 1
10	$\cosh^2 x - \sinh^2 x =$	A. 1 B. -1 C. 2 D. -2
11	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
12	$f(x)$ is odd function. If and only if:	A. $f(-x) = -f(x)$ B. $f(-x) = f(x)$ C. $f(x) = 3f(-x)$ D. $f(x) = -3f(-x)$
13	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. $a = 0, b = 1$
14	If y is an image of x under the function f, we denote it by:	A. $x = f(y)$ B. $x = y$ C. $y = f(x)$ D. $f(x, y) = c$
15	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
16	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
		A. 0 B. 1

17 If the degree of a polynomial function is -----, then it is called a linear function:

- B. 1
- C. 2
- D. 3

18 If $f(x) = |x|$, $f(x)$ is a:

- A. Constant function
- B. Absolute function
- C. Linear function
- D. Quadratic function

19 $\tanh x =$

20 Question Image