

ICS Part 2 Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	The term function was introduced by:	A. Euler B. Newton C. Lagrange D. Leibniz
2	$f(x) = \sin x + \cos x$ is ----- function:	A. Even B. Odd C. Composite D. Neither even nor odd function
3	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 1 B. 2 C. 3 D. 4
4	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
5	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Even B. Odd C. One-one D. Zero
6	$\text{Cosh}^2 x + \text{Sinh}^2 x =$	A. $\text{Cosh } x^{²}$ B. $\text{Cosh } 2x$ C. $\text{Sinh } 2x$ D. $\text{Tanh } 2x$
7	A function, in which the variable appears as exponent (power), is called a / an ----- function.	A. Constant B. Explicit C. Exponential D. Inverse
8	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Implicit B. Explicit C. Exponential D. Logarithmic
9	$x^2 + y^2 = 4$ is:	A. Function B. Not a function C. Ellipse D. Line
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 4 B. Does not exist
11	Which one is not an exponential function ?	
12	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
13	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
14	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. $a = 0, b = 1$
15	If $f(x) = x $, $f(x)$ is a:	A. Constant function B. Absolute function C. Linear function D. Quadratic function
16	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Parabola B. Hyperbola C. Ellipse D. Circle

17	The range of the function $f(x) = x $	
18	Every relation, which can be represented by a linear equation in two variables, represents a:	A. Graph B. Function C. Cartesian product D. Relation
19	Question Image <input type="text"/>	A. Line B. Parabola C. Ellipse D. Hybperbola
20	Which one is a constant function ?	A. $f(x) = x^2$ B. $f(x) = x$ C. $f(x) = x + 1$ D. $f(x) = 14$