

## ICS Part 2 Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	$\tanh x =$	
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	A function, in which the variable appears as exponent (power), is called a / an ----- function.	A. Constant B. Explicit C. Exponential D. Inverse
4	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Constant B. Implicit C. Identity D. Inverse
5	Every relation, which can be represented by a linear equation in two variables, represents a:	A. Graph B. Function C. Cartesian product D. Relation
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Constant function B. Absolute linear function C. Linear function D. Quadratic function
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 1 B. 2 C. 3 D. 4
8	$x^2 + y^2 = 4$ is:	A. Function B. Not a function C. Ellipse D. Line
9	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Continuous at $x = 1$ B. Not continuous at $x = 1$ C. Both a and b D. none
10	If $y = f(x)$ , then the variable x is called ----- variable of a function f.	A. Dependent B. Independent C. Image of y D. None of these
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
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	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $\sin x$ B. $\cos x$ C. $\sinh x$ D. $\cosh x$
14	The area A of a circle as a function of its circumference C is:	
15	$f(x)$ is odd function. If and only if:	A. $f(-x) = -f(x)$ B. $f(-x) = f(x)$ C. $f(x) = 3f(-x)$ D. $f(x) = -3f(-x)$
16	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Parabola B. Hyperbola C. Ellipse D. Circle
17	$x = 3 \cos t$ , $y = 3 \sin t$ represent	A. Line B. Circle C. Parabola D. Hyperbola

D. Hyperbola

18

Question Image

- A. Undefined
- B.  $3a^2$
- C.  $a^2$
- D. 0

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$f(x) = \sin x + \cos x$  is ----- function:

- A. Even
- B. Odd
- C. Composite
- D. Neither even nor odd function

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Question Image

- A. 0
- B. 1
- C. e
- D. Does not exist