

ICS Part 2 Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	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
2	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. $f(x > 2 < /sup> + 1)$ B. $f(x)$ D. $f(x > 2 < /sup> >$
3	Let $f(x) = x^3 + \sin x$, then $f(x)$ is:	A. Even function B. Odd function C. Power function D. None of these
4	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. 0 B. 2 C. 1 D. 3
5	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. Even B. Odd C. One-one D. Zero
6	$\cosh^2 x - \sinh^2 x =$	A. 1 B. -1 C. 2 D. -2
7	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. $\sin x$ B. $\cos x$ C. $\sinh x$ D. $\cosh x$
8	The function $y = \ln x$ is a/an ----- function of x .	A. Constant B. Explicit C. Exponential D. Logarithmic
9	$\cosh^2 x + \sinh^2 x =$	A. $\cosh x > 2 < /sup>$ B. $\cosh 2x$ C. $\sinh 2x$ D. $\tanh 2x$
10	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. 1 B. 2 C. 3 D. 4
11	Question Image <input style="width: 100%; height: 20px;" type="text"/>	
12	Which one is an exponential function ?	
13	The range of the function $f(x) = x $	
14	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. 4, -4 B. 0 C. 2, -2 D. 0, 4
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	$\cosh^{-1} x =$	
17	If $f(x) = x $, $f(x)$ is a:	A. Constant function B. Absolute function C. Linear function D. Quadratic function
18	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. Constant B. Implicit C. Identity

C. Identity
D. Inverse

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A function, in which the variable appears as exponent (power), is called a / an ----- function.

A. Constant
B. Explicit
C. Exponential
D. Inverse

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Let $f(x) = x^2$, then range of f is the set of all:

A. Real numbers
B. Non-negative real numbers
C. Non-negative integers
D. Complex numbers