ICS Part 2 Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	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
2	Question Image	A. Constant B. Implicit C. Identity D. Inverse
3	Which one is a constant function ?	A. f(x) = x² B. f(x) = x C. f(x) = x + 1 D. f(x) = 14
4	If the degree of a polynomial function is ----------, then it is called a linear function:	A. 0 B. 1 C. 2 D. 3
5	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
6	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
7	The range of the function f(x) = |x|	
8	Question Image	A. R B. R - {2} C. R - {2, -2} D. R - {-2}
9	Question Image	A. 4, -4 B. 0 C. 2, -2 D. 0, 4
10	Let $f(x) = x^2$, real valued function then domain of f is the set of all:	A. Real numbers B. Integers C. Positive numbers D. Natural numbers
11	Question Image	A. 0 B. 2 C. 1 D. 3
12	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
13	Question Image	A. f(x² + 1) B. f(x) D. f(x²)
14	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
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	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
17	The term function was introduced by:	A. Euler B. Newton C. Lagrange D. Leibniz