ICS Part 2 Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	tanh x =	
2	The range of the function f(x) = |x|	
3	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
4	x = 3 cos t, y = 3 sin t represent	A. Line B. Circle C. Parabola D. Hyperbola
5	Which one is an identity function ?	B. f(x) = g(x) C. f (x) = x D. f(x) = 1
6	$Cosh^2 x + Sinh^2 x =$	A. Cosh x² B. Cosh 2x C. Sinh 2x D. Tanh 2x
7	Question Image	A. R B. R - {2} C. R - {2, -2} D. R - {-2}
8	Question Image	A. Parabola B. Hyperbola C. Ellipse D. Circle
9	Every relation, which can be represented by a linear equation in two variables, represents a:	A. Graph B. Function C. Cartesian product D. Relation
10	$Cosh^2 x - Sinh^2 x =$	A. 1 B. -1 C. 2 D. -2
11	Question Image	A. Constant B. Implicit C. Explicit 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	Question Image	
14	Let $f(x) = x^3 + \sin x$, then f(x) is:	A. Even function B. Odd function C. Power function D. None of these
15	Inverse hyperbolic functions are expressed in terms of natural:	A. Numbers B. Exponential C. Logarithms D. Sines
16	Question Image	A. Continuous at x = 1 B. Not continuous at x = 1 C. Both a and b D. none
17	Question Image	A. Constant B. Implicit C. Identity D. Inverse

18	Which one is not an exponential function ?	
19	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
20	If the degree of a polynomial function is ----------, then it is called a linear function:	A. 0 B. 1 C. 2 D. 3