ICS Part 2 Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. Line B. Parabola C. Ellipse D. Hybperbola
2	Question Image	A. 1 B. 2 C. 3 D. 4
3	Every relation, which can be represented by a linear equation in two variables, represents a:	A. Graph B. Function C. Cartesian product D. Relation
4	Let $f(x) = x^3 + \sin x$, then $f(x)$ is:	A. Even function B. Odd function C. Power function D. None of these
5	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
6	$\text{Cosh}^2 x - \text{Sinh}^2 x =$	A. 1 B. -1 C. 2 D. -2
7	Which one is not an exponential function ?	
8	If $y = (x)$, then the variable x is called --------- variable of a function f.	A. Dependent B. Independent C. Image of y D. None of these
9	Question Image	A. Even B. Odd C. One-one D. Zero
10	Let $f(x) = \cos x$, then $f(x)$ is an:	A. Even function B. Odd function C. Power function D. None of these
11	Question Image	A. Continuous at x = 1 B. Not continuous at x = 1 C. Both a and b D. none
12	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
13	$f(x)$ is odd function. If and only if:	A. $f(-x) = -f(x)$ B. $f(-x) = f(x)$ C. $f(x) = 3f(-x)$ D. $f(x) = -3f(-x)$
14	A function $P(x) = 6x^4 + 7x^3 + 5x + 1$ is called a polynomial function of degree -------- with leading coefficient -------.	A. 4, 6 B. 2, 7 C. 2, 3 D. 2, 5
15	Which one is an exponential function ?	
16	Question Image	
17	Question Image	A. Undefined B. $3a^2$ C. a^2 D. 0

18	f(x) = sin x + cos x is ------------ function:	A. Even B. Odd C. Composite D. Neither even nor odd function
19	Inverse hyperbolic functions are expressed in terms of natural:	A. Numbers B. Exponential C. Logarithms D. Sines
20	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