FSC Part 2 Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	Which one is not an exponential function ?	
2	Question Image	A. 1 B. 2 C. 3 D. 4
3	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
4	Question Image	A. 0 B. 1 C. e D. Does not exist
5	$Cosh^2 x + Sinh^2 x =$	A. Cosh x² B. Cosh 2x C. Sinh 2x D. Tanh 2x
6	f(x) = sin x + cos x is ---------- function:	A. Even B. Odd C. Composite D. Neither even nor odd function
7	Question Image	A. Continuous at x = 1 B. Not continuous at x = 1 C. Both a and b D. none
8	The area A of a circle as a function of its circumference C is:	
9	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
10	Question Image	A. sin x B. cos x C. sinh x D. cosh x
11	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
12	$Cosh^2 x - Sinh^2 x =$	A. 1 B. -1 C. 2 D. -2
13	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
14	Question Image	A. 0 B. 2 C. 1 D. 3
15	Question Image	A. Constant B. Implicit C. Identity D. Inverse
16	Which one is an identity function ?	B. f(x) = g(x) C. f (x) = x D. f(x) = 1
		A. Real numbers

17	Let $f(x) = x^2$, then range of f is the set of all:	B. Non-negative real numbers C. Non-negative integers D. Complex numbers
18	Which one is a constant function ?	A. f(x) = x² B. f(x) = x C. f(x) = x + 1 D. f(x) = 14
19	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
20	A function, in which the variable appears as exponent (power), is called a / an -------- function.	A. Constant B. Explicit C. Exponential D. Inverse