

FSC Part 2 Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	Inverse hyperbolic functions are expressed in terms of natural:	A. Numbers B. Exponential C. Logarithms D. Sines
2	Which one is an identity function ?	B. $f(x) = g(x)$ C. $f(x) = x$ D. $f(x) = 1$
3	$f(x) = x \operatorname{sech} x$, then $f(0) =$	A. -1 B. 0 C. 1
4	$\operatorname{Cosh}^2 x + \operatorname{Sinh}^2 x =$	A. $\operatorname{Cosh} x^2$ B. $\operatorname{Cosh} 2x$ C. $\operatorname{Sinh} 2x$ D. $\operatorname{Tanh} 2x$
5	If the degree of a polynomial function is -----, then it is called a linear function:	A. 0 B. 1 C. 2 D. 3
6	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
7	$\operatorname{cosh}^{-1} x =$	
8	Which one is an exponential function ?	
9	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
10	If $f(x) = x $, f(x) is a:	A. Constant function B. Absolute function C. Linear function D. Quadratic function
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $f(x^2 + 1)$ B. $f(x)$ D. $f(x^2)$
12	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Even B. Odd C. One-one D. Zero
13	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
14	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Continuous at $x = 1$ B. Not continuous at $x = 1$ C. Both a and b D. none
15	$f(x) = \sin x + \cos x$ is ----- function:	A. Even B. Odd C. Composite D. Neither even nor odd function
16	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
17	The range of the function $f(x) = x $	
18	If $y = f(x)$, then the variable x is called ----- variable of a function f.	A. Dependent B. Independent C. Image of y D. None of these

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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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Question Image

- A. Constant
- B. Implicit
- C. Identity
- D. Inverse