

## ICS Part 2 Mathematics Chapter 1 Test Online

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	A. 4 B. Does not exist
3	Question Image	A. sin x B. cos x C. sinh x D. cosh x
4	Question Image	A. Parabola B. Hyperbola C. Ellipse D. Circle
5	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
6	Question Image	A. Common logarithmic B. Natural logarithmic C. Exponential D. None of these
7	$\cosh^2 x + \sinh^2 x =$	A. $\cosh x^{<\sup>2</sup>}$ B. $\cosh 2x$ C. $\sinh 2x$ D. $\tanh 2x$
8	Question Image	A. Constant function B. Absolute linear function C. Linear function D. Quadratic function
9	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
10	Which one is not an exponential function ?	
11	Question Image	A. 4, -4 B. 0 C. 2, -2 D. 0, 4
12	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
13	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
14	Question Image	A. Even B. Odd C. One-one D. Zero
15	Question Image	A. Line B. Parabola C. Ellipse D. Hyperbola
16	Question Image	A. Constant B. Implicit C. Identity D. Inverse
17	Which one is an identity function ?	B. $f(x) = g(x)$ C. $f(x) = x$ D. $f(x) = 1$

18

Question Image

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

19

 $\tanh x =$ 

20

Question Image

- A. 0  
B. 1  
C. e  
D. Does not exist