

ICS Part 2 Mathematics Chapter 2 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. c B. 0 C. 1 D. -c
2	Question Image	A. 0 B. 1 C. -1 D. 2
3	The derivative of x with respect to y is given by:	
4	Question Image	
5	The instantaneous rate of change of y with respect to x is given by:	
6	Question Image	A. $\sin x$ B. $\cos x$ C. $-\sin x$ D. $-\cos x$
7	If $f(x) = \cos x$ then $f'(0)$ is equal to:	A. 0 B. -1 C. 1
8	For a square of side x units, the rate of change of area with respect to the side is given by:	A. x B. x^2 C. $2x$ D. 2
9	Notation $Df(x)$ for derivative was used by:	A. Cauchy B. Newton C. Leibniz D. Lagrange
10	Question Image	
11	Question Image	A. $5 \sin x$ B. $\cosh(5x)$ C. $5 \cosh(5x)$ D. $-5 \cosh(5x)$
12	Question Image	
13	Question Image	
14	Question Image	A. $x = a$ B. $x = 2$ C. $x = 0$ D. None
15	Question Image	A. $-\operatorname{cosec} x \cot x$ B. $\operatorname{cosec}^2 x$ C. $-\operatorname{cosec}^2 x$ D. $\operatorname{cosec} x \cot x$
16	Question Image	
17	Question Image	A. $\sinh x$ B. $\cosh x$ C. $-\sinh x$ D. $-\cosh x$
18	Question Image	
19	The small change in the value of $f(x)$, positive or negative is called the ----- of x .	A. Increment B. Differential C. Derivative D. none of these
20	If s is the distance traveled by a body at time t , the velocity is given by the expression:	