

## ICS Part 2 Mathematics Chapter 2 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. $\sec x \tan x$ B. $-\sec^2 x$ C. $-\sec x \tan x$ D. $\sec^2 x$
2	Question Image	A. $\operatorname{sech} x \tanh x$ B. $-\operatorname{sech} x \tanh x$ C. $\operatorname{sech}^2 x$ D. $-\operatorname{sech}^2 x$
3	If $s$ is the distance traveled by a body at time $t$ , the velocity is given by the expression:	
4	Question Image	
5	Question Image	
6	Question Image	
7	Question Image	A. $x = a$ B. $x = 2$ C. $x = 0$ D. None
8	Question Image	A. $x$ with respect to $y$ B. $y$ with respect to $x$ C. $y$ with respect to $x$ D. $x$ with respect to $x$
9	Question Image	A. $x = a$ B. $x = 2$ C. $x = 0$ D. None
10	Question Image	A. $5 \sin x$ B. $\cosh(5x)$ C. $5 \cosh(5x)$ D. $-5 \cosh(5x)$
11	The Maclaurin series expansion is valid only if it is:	A. Convergent B. Divergent C. Increasing D. Decreasing
12	Question Image	A. $2\cosh x$ B. $2\sinh x$ C. $2\sinh(2x)$ D. $-2\sinh(2x)$
13	Question Image	
14	Question Image	
15	If $f(x) = \cos x$ then $f'(0)$ is equal to:	A. 0 B. -1 C. 1
16	Question Image	
17	Question Image	A. $1(1-4)$ B. $2x-3$ C. $x-3$ D. $x^3 - 3x$
18	Question Image	
19	Gottfried Wilhelm Leibniz was a (an) ----- mathematician:	A. German B. English C. Swiss D. French
20	Question Image	