

## 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 y 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	