

## ICS Part 2 Mathematics Chapter 2 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. $\operatorname{sech} x \tanh x$ B. $-\operatorname{sech} x \tanh x$ <b>C. <math>\operatorname{sech}^2 x</math></b> D. $-\operatorname{sech}^2 x$
2	The instantaneous rate of change of $y$ with respect to $x$ is given by:	
3	Question Image	
4	Question Image	A. $\tan x$ <b>B. <math>\cot x</math></b> C. $-\tan x$ D. $-\cot x$
5	Gottfried Wilhelm Leibniz was a (an) ----- mathematician:	A. German B. English C. Swiss D. French
6	For a square of side $x$ units, the rate of change of area with respect to the side is given by:	A. $x$ B. $x^2$ <b>C. <math>2x</math></b> D. 2
7	Question Image	
8	Question Image	A. $\sin x$ B. $-\cos x$ <b>C. <math>-\sin x</math></b> D. $\cos x$
9	The small change in the value of $x$ , positive or negative is called the ----- of $x$ .	A. Increment B. Differential C. Derivative D. none of these
10	Question Image	A. $\sinh x$ B. $\cosh x$ C. $-\sinh x$ D. $-\cosh x$
11	Question Image	A. $\sec x \tan x$ <b>B. <math>\sec^2 x</math></b> C. $-\sec x \tan x$ D. $-\sec^2 x$
12	The derivative of $x$ with respect to $y$ is given by:	
13	Question Image	A. $x = a$ <b>B. <math>x = 2</math></b> C. $x = 0$ D. None
14	Question Image	A. $2\cosh x$ B. $2\sinh x$ <b>C. <math>2\sinh(2x)</math></b> D. $-2\sinh(2x)$
15	Question Image	A. $x = a$ B. $x = 2$ <b>C. <math>x = 0</math></b> D. None
16	Question Image	
17	Question Image	
18	Sir Isaac Newton was a(an) ----- mathematician.	A. German B. French C. Swiss <b>D. English</b>
19	Question Image	

