

ICS Part 2 Mathematics Chapter 2 Test Online

Sr	Questions	Answers Choice
1	The instantaneous rate of change of y with respect to x is given by:	
2	Question Image	A. $5 \sin x$ B. $\cosh(5x)$ C. $5 \cosh(5x)$ D. $-5 \cosh(5x)$
3	Question Image	
4	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
5	Question Image	A. $\sec x \tan x$ B. $\sec^2 x$ C. $-\sec x \tan x$ D. $-\sec^2 x$
6	The function $f(x) = 3x^2$ has minimum value at :	A. $x = 3$ B. $x = 2$ C. $x = 1$ D. $x = 0$
7	Question Image	A. $\sin x$ B. $-\cos x$ C. $-\sin x$ D. $\cos x$
8	Question Image	
9	Question Image	A. c B. 0 C. 1 D. $-c$
10	Question Image	A. $-\operatorname{cosec}^2 x$ B. $\operatorname{cosec}^2 x$ C. $-\operatorname{cosec} x \cot x$ D. $\operatorname{cosec} x \cot x$
11	Question Image	
12	If $y = f(u)$ and $u = F(x)$, then:	
13	Question Image	
14	Question Image	A. $1(1-4)$ B. $2x-3$ C. $x-3$ D. x^3-3x
15	Question Image	
16	If s is the distance traveled by a body at time t , the velocity is given by the expression:	
17	Question Image	
18	Question Image	A. $x = a$ B. $x = 2$ C. $x = 0$ D. None
19	Question Image	A. $\operatorname{sech} x \tanh x$ B. $-\operatorname{sech}^2 x$ C. $-\operatorname{sech} x \tanh x$ D. $\operatorname{sech}^2 x$
20	If $f(x) = \cos x$ then $f'(0)$ is equal to:	A. 0 B. -1 C. 1