

## ICS Part 2 Mathematics Chapter 2 Test Online

Sr	Questions	Answers Choice
1	<input type="text" value="Question Image"/>	
2	<input type="text" value="Question Image"/>	
3	<input type="text" value="Question Image"/>	
4	<input type="text" value="Question Image"/>	
5	If $f(x) = \cos x$ then $f'(0)$ is equal to:	A. 0 B. -1 C. 1
6	<input type="text" value="Question Image"/>	A. $-\operatorname{cosec}^2 x$ B. $\operatorname{cosec}^2 x$ C. $-\operatorname{cosec} x \cot x$ D. $\operatorname{cosec} x \cot x$
7	<input type="text" value="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
8	The derivative of x with respect to y is given by:	
9	The Maclaurin series expansion is valid only if it is:	A. Convergent B. Divergent C. Increasing D. Decreasing
10	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
11	<input type="text" value="Question Image"/>	A. c B. 0 C. 1 D. -c
12	<input type="text" value="Question Image"/>	A. $-\operatorname{cosec} x \cot x$ B. $\operatorname{cosec}^2 x$ C. $-\operatorname{cosec}^2 x$ D. $\operatorname{cosec} x \cot x$
13	If $y = f(u)$ and $u = F(x)$ , then:	
14	<input type="text" value="Question Image"/>	A. $x = a$ B. $x = 2$ C. $x = 0$ D. None
15	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
16	<input type="text" value="Question Image"/>	A. $x = a$ B. $x = 2$ C. $x = 0$ D. None
17	<input type="text" value="Question Image"/>	A. $1(1 - 4)$ B. $2x - 3$ C. $x - 3$ D. $x^3 - 3x$
18	<input type="text" value="Question Image"/>	
19	If $s$ is the distance traveled by a body at time $t$ , the velocity is given by the expression:	
20	<input type="text" value="Question Image"/>	