

ICS Part 2 Mathematics Chapter 2 Test Online

Sr	Questions	Answers Choice
1	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $\operatorname{sech} x \tanh x$ B. $-\operatorname{sech} x \tanh x$ C. $\operatorname{sech}^2 x$ D. $-\operatorname{sech}^2 x$
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
3	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 1 (1 - 4) B. $2x - 3$ C. $x - 3$ D. $x^3 - 3x$
4	The function $f(x) = 3x^2$ has minimum value at :	A. $x = 3$ B. $x = 2$ C. $x = 1$ D. $x = 0$
5	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. c B. 0 C. 1 D. -c
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $\operatorname{cosech} x \operatorname{coth} x$ B. $-\operatorname{cosech}^2 x$ C. $-\operatorname{cosech} x \operatorname{coth} x$ D. $\operatorname{cosech}^2 x$
7	Sir Isaac Newton was a(an) ----- mathematician.	A. German B. French C. Swiss D. English
8	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
9	The Maclaurin series expansion is valid only if it is:	A. Convergent B. Divergent C. Increasing D. Decreasing
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	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 <input style="width: 500px; height: 20px;" type="text"/>	
12	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
13	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
14	If $y = f(u)$ and $u = F(x)$, then:	
15	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $5 \sin x$ B. $\cosh (5x)$ C. $5 \cosh (5x)$ D. $-5 \cosh (5x)$
16	Notation $Df(x)$ for derivative was used by:	A. Cauchy B. Newton C. Leibniz D. Lagrange
17	The derivative of x with respect to y is given by:	
18	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $\operatorname{sech} x \tanh x$ B. $-\operatorname{sech}^2 x$ C. $-\operatorname{sech} x \tanh x$ D. $\operatorname{sech}^2 x$
19	Question Image <input style="width: 500px; height: 20px;" type="text"/>	

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Question Image

- A. 0
- B. 1
- C. -1
- D. 2