ICS Part 2 Mathematics Chapter 2 Test Online

Sr	Questions	Answers Choice
1	The Maclaurin series expansion is valid only if it is:	A. Convergent B. Divergent C. Increasing D. Decreasing
2	Notation Df(x) for derivative was used by:	A. Cauchy B. Newton C. Leibniz D. Lagrange
3	Question Image	A. 1 (1 - 4) B. 2x - 3 C. x - 3 D. x³ - 3x
4	Question Image	
5	Question Image	A. sin x B. cos x C. -sin x D. -cos x
6	Question Image	
7	Question Image	
8	For a square of side x units, the rate of change of area with respect to the side is given by:	A. x B. x² C. 2x D. 2
9	Question Image	A. 5 sin x B. cosh (5x) C. 5 cosh (5x) D. -5 cosh (5x)
10	Gottfried Whilhelm Leibniz was a (an) ----- mathematician:	A. German B. English C. Swiss D. French
11	Question Image	A. c B. 0 C. 1 D. -c
12	If y = f(u) and u = F(x), then:	
13	Question Image	
14	Question Image	
15	Question Image	
16	Question Image	A. -cosec x cotx B. cosec² x C. -cosec²x D. cosec x cotx
17	Question Image	A. - cosec² x B. cosec²x C. - cosec x cot x D. cosec x cot x
18	Question Image	A. sinh x B. cosh x C. -sinh x D. -cosh x
19	If s is the distance traveled by a body at time t, the velocity is given by the expression:	
20	Question Image	A. sinh x B. cosh x

C. -sinh x
D. -cosh x