ICS Part 2 Mathematics Chapter 2 Test Online

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

D. 2

| 20 | Question Image |