ICS Part 2 Mathematics Chapter 2 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. x = a B. for all x D. x = 0
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. sech x tanh x B. -sech x tanhx C. sech² x D. -sech²x
4	Question Image	A. -cosec x cotx B. cosec² x C. -cosec²x D. cosec x cotx
5	Question Image	A. 2cosh x B. 2sinh x C. 2sinh (2x) D. -2sinh (2x)
6	Question Image	A. 5 sin x B. cosh (5x) C. 5 cosh (5x) D. -5 cosh (5x)
7	Question Image	
8	Question Image	A. sinh x B. cosh x C. -sinh x D. -cosh x
9	Question Image	
10	Question Image	
11	The small change in the value ofx, positive or negative is called the -------- of x.	A. Increment B. Differential C. Derivative D. none of these
12	The Maclaurin series expansion is valid only if it is:	A. Convergent B. Divergent C. Increasing D. Decreasing
13	Question Image	A. - cosec² x B. cosec²x C. - cosec x cot x D. cosec x cot x
14	If s is the distance traveled by a body at time t, the velocity is given by the expression:	
15	Question Image	A. 0 B. 1 C. -1 D. 2
16	Question Image	
17	Question Image	
18	Question Image	A. sec x tan x B. sec²x C. -sec x tan x D. -sec²x
19	Question Image	
		A. x = a

20	Question Image	B. x = 2 C. x = 0 D. None