FA Part 2 Mathematics Chapter 2 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. sech x tanh x B. -sech²x C. -sech x tanh x D. sech²x
2	Question Image	A. 2cosh x B. 2sinh x C. 2sinh (2x) D. -2sinh (2x)
3	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
4	Question Image	A. sinh x B. cosh x C. -sinh x D. -cosh x
5	Question Image	
6	Question Image	A. x = a B. x = 2 C. x = 0 D. None
7	Question Image	
8	Gottfried Whilhelm Leibniz was a (an) ----- mathematician:	A. German B. English C. Swiss D. French
9	Question Image	A. 1 (1 - 4) B. 2x - 3 C. x - 3 D. x³ - 3x
10	If y = f(u) and u = F(x), then:	
11	Question Image	
12	Question Image	A. x = a B. for all x D. x = 0
13	The Maclaurin series expansion is valid only if it is:	A. Convergent B. Divergent C. Increasing D. Decreasing
14	If f(x) = cos x then f'(0) is equal to:	A. 0 B. -1 C. 1
15	The function f(x) = $3x^2$ has minimum value at :	A. x = 3 B. x = 2 C. x = 1 D. x = 0
16	Question Image	A. sin x B. -cos x C. -sin x D. cos x
17	Question Image	A. x = a B. x = 2 C. x = 0 D. None
18	Question Image	A. cosech x coth x B. -cosech²x C. -cosech x coth x

		D. cosech²x
19	Question Image	
20	Question Image	A. sec x tan x B. - sec²x C. -sec x tan x D. sec²x