FA Part 2 Mathematics Chapter 2 Test Online

Sr	Questions	Answers Choice
1	Question Image	
2	If f(x) = cos x then f'(0) is equal to:	A. 0 B. -1 C. 1
3	Question Image	
4	The Maclaurin series expansion is valid only if it is:	A. Convergent B. Divergent C. Increasing D. Decreasing
5	Question Image	A. 0 B. 1 C. -1 D. 2
6	Question Image	A. x = a B. x = 2 C. x = 0 D. None
7	Notation Df(x) for derivative was used by:	A. Cauchy B. Newton C. Leibniz D. Lagrange
8	Question Image	
9	Question Image	A. -cosec x cotx B. $cosec^2$ x C. $-cosec^2$x D. cosec x cotx
10	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
11	Sir Isaac Newton was a(an) --------- mathematician.	A. German B. French C. Swiss D. English
12	Question Image	
13	Question Image	A. sech x tanh x B. $-sech^2$x C. -sech x tanh x D. $sech^2$x
14	Question Image	A. sinh x B. cosh x C. -sinh x D. -cosh x
15	If y = f(u) and u = F(x), then:	
16	Question Image	
17	Question Image	
18	Question Image	A. cosech x coth x B. $-cosech^2$x C. -cosech x coth x D. $cosech^2$x
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

20	Question Image	A. sinh x
		B. cosh x
		C. -sinh x
		D. -cosh x