FSC Part 2 Mathematics Chapter 2 Online Test

Sr	Questions	Answers Choice
1	Question Image	A. Lagrange B. Newtown C. Leibniz D. Cauchy
2	Question Image	
3	Question Image	A. x = a B. x = 2 C. x = 0 D. None
4	Question Image	A. sech x tanh x B. -sech²x C. -sech x tanh x D. sech²x
5	Question Image	A. sin x B. cos x C. -sin x D. -cos x
6	Question Image	A. 0 B. 1 C. -1 D. 2
7	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
8	Question Image	
9	If y = f(u) and u = F(x), then:	
10	Question Image	A. sech x tanh x B. -sech x tanhx C. sech² x D. -sech²x
11	Question Image	
12	If f(x) = cos x then f'(0) is equal to:	A. 0 B. -1 C. 1
13	Question Image	A. x = a B. x = 2 C. x = 0 D. None
14	Gottfried Whilhelm Leibniz was a (an) ----- mathematician:	A. German B. English C. Swiss D. French
15	Question Image	
16	The Maclaurin series expansion is valid only if it is:	A. Convergent B. Divergent C. Increasing D. Decreasing
17	Question Image	
18	Question Image	A. tan x B. cot x C. - tan x D. - cot x
19	Question Image	A. -cosec x cotx B. cosec² x C. -cosec²x

		D. cosec x cotx
20	Question Image	A. x = a B. for all x D. x = 0