FSC Part 2 Mathematics Chapter 2 Online Test

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	A. 5 sin x B. cosh (5x) C. 5 cosh (5x) D. -5 cosh (5x)
3	Question Image	
4	Question Image	A. sinh x B. cosh x C. -sinh x D. -cosh x
5	Question Image	A. -cosec x cotx B. cosec² x C. -cosec²x D. cosec x cotx
6	Question Image	A. sech x tanh x B. -sech²x C. -sech x tanh x D. sech²x
7	Question Image	A. c B. 0 C. 1 D. -c
8	Question Image	A. 1 (1 - 4) B. 2x - 3 C. x - 3 D. x³ - 3x
9	Question Image	A. cosech x coth x B. -cosech²x C. -cosech x coth x D. cosech²x
10	Question Image	A. sec x tan x B. - sec²x C. -sec x tan x D. sec²x
11	If f(x) = cos x then f'(0) is equal to:	A. 0 B. -1 C. 1
12	Question Image	
13	Question Image	
14	The instantaneous rate of change of y with respect to x is given by:	
15	Notation Df(x) for derivative was used by:	A. Cauchy B. Newton C. Leibniz D. Lagrange
16	The Maclaurin series expansion is valid only if it is:	A. Convergent B. Divergent C. Increasing D. Decreasing
17	Question Image	A. sin x B. -cos x C. -sin x D. cos x
18	The derivative of x with respect to y is given by:	
19	The small change in the value ofx, positive or negative is called the -------- of x	A. Increment B. Differential

19	The small change in the value of x, positive or negative is called the ____ of x.	C. Derivative D. none of these
20	Question Image	