FA Part 2 Mathematics Chapter 3 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. domain B. range C. lower limit D. upper limit
2	If the lower limit is a constant and the upper limit is a variable, then the integral is a function of:	A. x B. y C. lower limit D. upper limit
3	Question Image	A. a cosec (ax + b) D. cot (ax + b)
4	Question Image	A. tan x + c B. -tan x + c C. sec x + c D. -sec x + c
5	Question Image	A. 0 B. 1 C. 2 D. 4
6	Question Image	
7	Question Image	A. tan x + c B. - tan x + c C. sec x tan x + c D. - sec x tan x + c
8	Question Image	A. e^{-x} sin x + c B. -e^{-x} sin x + c C. e^{-x}cosx + c D. -e^{-x}sin x + c
9	Question Image	C. 2 D. 1
10	The term dy (or df) = f '(x) dx is called the _____ of the dependent variable y.	A. Differentiation B. Integration C. Differential D. None of these
11	Question Image	A. ln |sec x + tan x | + c B. ln |cosec x - cot x | + c C. ln |sec x - tan x| + c D. ln |cosec x + cot x | + c
12	Question Image	A. cot x B. - cot x C. cosec x cot x D. -cosec x cot x
13	An integral of $3x^2$ is:	A. x³+c B. 3 C. 6x D. x^{2+c}
14	Question Image	
15	Question Image	A. Integration by parts B. Definite integral C. Differentiation D. None of these
16	If y = sin x then dy =	A. cosy dx B. cos x C. cosx dx D. cos xdy
17	Question Image	A. domain B. range C. lower limit D. upper limit

18	If $y = x^2 + 1$ _____ x changes from 3 to 3.02 then dy = _____	A. 0.1204 B. .12 C. .02 D. 1.2
19	Question Image	A. Derivative B. Differential C. Integral D. None of these
20	Question Image	A. equal to each other B. not equal to each other C. nearly equal to each other D. None of these