FA Part 2 Mathematics Chapter 3 Test Online

Sr	Questions	Answers Choice
1	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
2	The general solution of differential equation of order n contains n arbitrary constants, which can be determined by ------------ initial value conditions.	A. 1 B. 0 C. 2 D. n
3	Question Image	
4	If y = sin x then dy =	A. cosy dx B. cos x C. cosx dx D. cos xdy
5	Question Image	A. equal to each other B. not equal to each C. nearly equal to each other D. none of these
6	If the upper limit is a constant and the lower limit is a variable, then the integral is a function of:	A. x B. y C. lower limit D. upper limit
7	Question Image	A. 36 B. 42 C. 48 D. 12
8	Question Image	A. domain B. range C. lower limit D. upper limit
9	The technique or method to find such a function whose derivative is given involves the inverse process of differentiation called:	A. Differentiation B. Integration C. Differential D. None of these
10	Question Image	
11	Question Image	A. equal to each other B. not equal to each other C. nearly equal to each other D. None of these
12	Question Image	A. Integration B. Integrand C. Constant of integration D. None of these
13	Question Image	A. Derivative B. Differential C. Integral D. None of these
14	Question Image	
15	An integral of $3x^2$ is:	A. x^3+c B. 3 C. 6x D. x^2+c
16	Question Image	A. Integration B. Integrand C. Constant of integration D. None of these
17	Question Image	A. Integration by parts B. Definite integral C. Differentiation D. None of these

18	Question Image	A. Integral B. Indefinite integral C. Differential D. Definite integral
19	Question Image	A. tan x + c B. - tan x + c C. sec x tan x + c D. - sec x tan x + c
20	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

D. None of these