FA Part 2 Mathematics Chapter 3 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. Integration B. Integrand C. Constant of integration D. None of these
2	Question Image	A. 0 B. 1 C. 2 D. 3
3	Question Image	A. Integration B. Integrand C. Constant of integration D. None of these
4	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
5	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
6	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
7	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
8	Question Image	A. cot x B. - cot x C. cosec x cot x D. -cosec x cot x
9	Question Image	A. equal to each other B. not equal to each other C. nearly equal to each other D. None of these
10	Question Image	A. cosec x + c B. -cosec x + c C. cot x + c D. - cot x + c
11	Question Image	A. equal to each other B. not equal to each C. nearly equal to each other D. none of these
12	Question Image	A. Integral B. Indefinite integral C. Differential D. Definite integral
13	If y = sin x then dy =	A. cosy dx B. cos x C. cosx dx D. cos xdy
14	Question Image	A. 36 B. 42 C. 48 D. 12
15	Question Image	A. domain B. range C. lower limit D. upper limit

16	Area between x-axis and the curve:	A. 32 D. 16
17	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
18	An integral of $3x^2$ is:	A. x³+c B. 3 C. 6x D. x^{2+c}
19	Question Image	A. cos x + c B. - cos x + c C. sin x + c D. -sin x + c
20	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