

FA Part 2 Mathematics Chapter 3 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. Integration by parts B. Definite integral C. Differentiation D. None of these
2	Question Image	A. In sec x + tan x + c B. In cosec x - cot x + c C. In sec x - tan x + c D. In cosec x + cot x + c
3	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
4	Question Image	A. tan x + c B tan x + c C. sec x tan x + c D sec x tan x + c
5	Question Image	A. 0 B. 1 C. 2 D. 4
6	Question Image	A. f(x) B. n f(x) C. f'(x) D. n f'(x)
7	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
8	Question Image	A. 0 B. 1 C. 2 D. 3
9	Question Image	A. Integration B. Integrand C. Constant of integration D. None of these
10	Area between x-axis and the curve:	A. 32 D. 16
11	Question Image	
12	Question Image	A. equal to each other B. not equal to each C. nearly equal to each other D. none of these
13	Question Image	A. cosec x + c Bcosec x + c C. cot x + c D cot x + c
14	Question Image	A. In sec x + tan x + c B. In cosec x - cot x + c C. In sec x - tan x + c D. In cosec x + cot x + c
15	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
16	Question Image	A. Integration B. Integration w.r.t.x. C. Differentiation D. Differentiation w.r.t.x

7	Question Image	A. e ^{-x} sin x + c Be ^{-x} sin x + c C. e ^{-x} cosx + c De ^{-x} sin x + c
8	Question Image	
9	Question Image	A. cos x + c B cos x + c C. sin x + c Dsin x + c
0	Question Image	A. a cosec (ax + b) D. cot (ax + b)