

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. f(x) B. In f(x) C. f'(x) D. In f'(x)
3	If y = sin x then dy =	A. cosy dx B. cos x C. cosx dx D. cos xdy
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	
6	Question Image	A. e ^{2x} sin x + c B. e ^{2x} cosx + c Ce ^{2x} sin x + c De ^{2x} cosx + c
7	An integral of 3x ² is:	A. x ³ +c B. 3 C. 6x D. x ^{2+c}
8	Question Image	A. Integral B. Indefinite integral C. Differential D. Definite integral
9	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
10	Question Image	A. a cosec (ax + b) D. cot (ax + b)
11	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
12	Question Image	
13	If y = x ² + 1 x changes from 3 to 3.02 then dy =	A. 0.1204 B12 C02 D. 1.2
14	Question Image	A. integration by parts B. definite integral C. Differentation D. None of these
15	Question Image	A. equal to each other B. not equal to each C. nearly equal to each other D. none of these
16	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
17	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

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8	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
	If the graph of f is entirely above the x-axis, then the definite integral is:	A. Positive B. Positive or negative C. Negative D. Positive and negative
	Question Image	A. Integration B. Integrand C. Constant of integration D. None of these