ICS 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	Question Image	A. cosec x + c B. -cosec x + c C. cot x + c D. - cot x + c
3	Area between x-axis and the curve:	A. 32 D. 16
4	Question Image	A. 0 B. 1 C. 2 D. 3
5	Question Image	A. Integration B. Integrand C. Constant of integration D. None of these
6	Question Image	C. 2 D. 1
7	Question Image	A. e^{ax} B. f(x) C. e^{ax}f(x) D. e^{ax + f(x)}
8	Question Image	A. Integration by parts B. Definite integral C. Differentiation D. None of these
9	If $y = x^2 + 1$ _____ x changes from 3 to 3.02 then dy = _____	A. 0.1204 B. .12 C. .02 D. 1.2
10	Question Image	A. domain B. range C. lower limit D. upper limit
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	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
13	Question Image	A. 36 B. 42 C. 48 D. 12
14	Question Image	A. f(x) B. ln |f(x)| C. f'(x) D. ln |f'(x)|
15	Question Image	A. tan x + c B. - tan x + c C. sec x tan x + c D. - sec x tan x + c
16	An integral of $3x^2$ is:	A. x³+c B. 3 C. 6x

		D. x^{2+c}
17	Question Image	A. cos x + c B. - cos x + c C. sin x + c D. -sin x + c
18	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
19	Question Image	
20	Question Image	A. 0 B. 1 C. 2 D. 4