ICS Part 2 Mathematics Chapter 3 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. Integral B. Indefinite integral C. Differential D. Definite integral
2	Question Image	A. equal to each other B. not equal to each C. nearly equal to each other D. none of these
3	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
4	Question Image	A. 0 B. 1 C. 2 D. 4
5	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
6	Question Image	A. equal to each other B. not equal to each other C. nearly equal to each other D. None of these
7	Question Image	
8	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
9	If the graph of f is entirely below the x-axis, then the definite integral is:	A. Positive B. Positive or negative C. Negative D. Positive and negative
10	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
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	Question Image	A. 0 B. 1 C. 2 D. 3
13	Question Image	A. integration by parts B. definite integral C. Differentation D. None of these
14	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
15	Question Image	A. f(x) B. ln |f(x)| C. f'(x) D. ln |f'(x)|
16	Question Image	A. Integration B. Integration w.r.t.x. C. Differentiation

17	Question Image	A. cot x B. - cot x C. cosec x cot x D. -cosec x cot x
18	Question Image	A. tan x + c B. -tan x + c C. sec x + c D. -sec x + c
19	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
20	Question Image	A. 36 B. 42 C. 48 D. 12