ICS 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. Derivative B. Differential C. Integral D. None of these
3	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
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. 36 B. 42 C. 48 D. 12
6	Question Image	A. Integral B. Indefinite integral C. Differential D. Definite integral
7	Question Image	A. integration by parts B. definite integral C. Differentation D. None of these
8	Question Image	A. cos x + c B. - cos x + c C. sin x + c D. -sin x + c
9	An integral of $3x^2$ is:	A. x³+c B. 3 C. 6x D. x^{2+c}
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. 0 B. 1 C. 2 D. 4
12	Question Image	A. e^{2x} sin x + c B. e^{2x}cosx + c C. -e^{2x}sin x + c D. -e^{2x}cosx + c
13	Question Image	A. cot x B. - cot x C. cosec x cot x D. -cosec x cot x
14	Question Image	A. f(x) B. ln |f(x)| C. f'(x) D. ln |f'(x)|
15	Question Image	A. domain B. range C. lower limit D. upper limit

16	If $y = x^2 + 1$ _____ x changes from 3 to 3.02 then dy = _____	A. 0.1204 B. .12 C. .02 D. 1.2
17	Question Image	A. Integration B. Integration w.r.t.x. C. Differentiation D. Differentiation w.r.t.x
18	Question Image	A. equal to each other B. not equal to each C. nearly equal to each other D. none of these
19	Question Image	A. cosec x + c B. -cosec x + c C. cot x + c D. - cot 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