ICS Part 2 Mathematics Chapter 3 Test Online

Sr	Questions	Answers Choice
1	An integral of $3x^2$ is:	A. x³+c B. 3 C. 6x D. x^{2+c}
2	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
3	Question Image	A. cot x B. - cot x C. cosec x cot x D. -cosec x cot x
4	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
5	Question Image	A. Derivative B. Differential C. Integral D. None of these
6	Question Image	A. Integration B. Integration w.r.t.x. C. Differentiation D. Differentiation w.r.t.x
7	Question Image	A. f(x) B. ln |f(x)| C. f'(x) D. ln |f'(x)|
8	Question Image	
9	Question Image	A. cosec x + c B. -cosec x + c C. cot x + c D. - cot x + c
10	Question Image	A. domain B. range C. lower limit D. upper limit
11	Question Image	A. integration by parts B. definite integral C. Differentation D. None of these
12	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
13	Area between x-axis and the curve:	A. 32 D. 16
14	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
15	Question Image	A. cos x + c B. - cos x + c C. sin x + c D. -sin x + c
16	Question Image	C. 2 D. 1
		A. e^{-x} sin x + c

17	Question Image	B. -e^{-x} sin x + c C. e^{-x}cosx + c D. -e^{-x}sin x + c
18	Question Image	A. 36 B. 42 C. 48 D. 12
19	Question Image	A. 0 B. 1 C. 2 D. 4
20	Question Image	A. Integral B. Indefinite integral C. Differential D. Definite integral