ICS Part 2 Mathematics Chapter 3 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. f(x) B. ln |f(x)| C. f'(x) D. ln |f'(x)|
2	Question Image	A. Integration B. Integrand C. Constant of integration D. None of these
3	Question Image	
4	Question Image	
5	Question Image	A. cot x B. - cot x C. cosec x cot x D. -cosec x cot x
6	Question Image	A. domain B. range C. lower limit D. upper limit
7	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
8	If $y = x^2 + 1$ _____ x changes from 3 to 3.02 then dy = _____	A. 0.1204 B. .12 C. .02 D. 1.2
9	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
10	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 D. n
11	Question Image	A. 0 B. 1 C. 2 D. 3
12	Question Image	A. 36 B. 42 C. 48 D. 12
13	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
14	Question Image	A. ln |sin x| B. - ln |sin x| C. ln |cos x| D. -ln |cos x|
15	Question Image	A. integration by parts B. definite integral C. Differentation D. None of these
16	Question Image	A. tan x + c B. - tan x + c C. sec x tan x + c D. - sec x tan x + c

17	Question Image	A. domain B. range C. lower limit D. upper limit
18	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
19	Question Image	A. e^{2x} sin x + c B. e^{2x}cosx + c C. -e^{2x}sin x + c D. -e^{2x}cosx + c
20	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