ICS Part 2 Mathematics Chapter 3 Test Online

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	A. domain B. range C. lower limit D. upper limit
3	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
4	Question Image	A. cosec x + c B. -cosec x + c C. cot x + c D. - cot x + c
5	Area between x-axis and the curve:	A. 32 D. 16
6	An integral of $3x^2$ is:	A. x^3+c B. 3 C. 6x D. x^{2+c}
7	Question Image	A. cos x + c B. - cos x + c C. sin x + c D. -sin x + c
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	Question Image	
10	Question Image	A. equal to each other B. not equal to each other C. nearly equal to each other D. None of these
11	If y = sin x then dy =	A. cosy dx B. cos x C. cosx dx D. cos xdy
12	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
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. integration by parts B. definite integral C. Differentation D. None of these
15	Question Image	A. tan x + c B. -tan x + c C. sec x + c D. -sec x + c
16	Question Image	A. 0 B. 1 C. 2 D. 3
17	Question Image	A. a cosec (ax + b) D. cot (ax + b)

18	Question Image	A. cot x
		B. - cot x
		C. cosec x cot x
		D. -cosec x cot x

19	If y = x^2 + 1 _____ x changes from 3 to 3.02 then dy = _____	A. 0.1204
		B. .12
		C. .02
		D. 1.2

20	Question Image	A. Integration
		B. Integrand
		C. Constant of integration
		D. None of these