ICS Part 2 Mathematics Chapter 3 Test Online

Sr	Questions	Answers Choice
1	Question Image	C. 2 D. 1
2	Question Image	A. Integration B. Integration w.r.t.x. C. Differentiation D. Differentiation w.r.t.x
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	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
5	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
6	Question Image	
7	Question Image	
8	Question Image	A. integration by parts B. definite integral C. Differentation D. None of these
9	Question Image	A. cot x B. - cot x C. cosec x cot x D. -cosec x cot x
10	Question Image	A. cosec x + c B. -cosec x + c C. cot x + c D. - cot x + c
11	Question Image	A. cos x + c B. - cos x + c C. sin x + c D. -sin x + c
12	Area between x-axis and the curve:	A. 32 D. 16
13	Question Image	A. equal to each other B. not equal to each C. nearly equal to each other D. none of these
14	If $y = x^2 + 1$ _____ x changes from 3 to 3.02 then dy = _____	A. 0.1204 B. .12 C. .02 D. 1.2
15	Question Image	A. domain B. range C. lower limit D. upper limit
16	Question Image	A. tan x + c B. -tan x + c C. sec x + c D. -sec x + c
17	Question Image	A. Integral B. Indefinite integral C. Differential D. Definite integral

18	Question Image	A. a cosec (ax + b) D. cot (ax + b)
19	If y = sin x then dy =	A. cosy dx B. cos x C. cosx dx D. cos xdy
20	Question Image	A. Derivative B. Differential C. Integral D. None of these