ICS Part 2 Mathematics Chapter 3 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. 0 B. 1 C. 2 D. 3
2	Question Image	A. Integration B. Integrand C. Constant of integration D. None of these
3	Question Image	A. tan x + c B. -tan x + c C. sec x + c D. -sec x + c
4	Question Image	A. Integration by parts B. Definite integral C. Differentiation D. None of these
5	An integral of $3x^2$ is:	A. x³+c B. 3 C. 6x D. x^{2+c}
6	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
7	Question Image	
8	Question Image	A. Integral B. Indefinite integral C. Differential D. Definite integral
9	Question Image	A. e^{2x} sin x + c B. e^{2x}cosx + c C. -e^{2x}sin x + c D. -e^{2x}cosx + c
10	Question Image	
11	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
12	Question Image	A. e^{ax} B. f(x) C. e^{ax}f(x) D. e^{ax + f(x)}
13	Question Image	A. cos x + c B. - cos x + c C. sin x + c D. -sin x + c
14	Question Image	A. domain B. range C. lower limit D. upper limit
15	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
16	Question Image	A. integration by parts B. definite integral C. Differentation D. None of these

17	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
18	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
19	Question Image	A. equal to each other B. not equal to each C. nearly equal to each other D. none of these
20	Question Image	A. cot x B. - cot x C. cosec x cot x D. -cosec x cot x