FSC Part 2 Mathematics Chapter 3 Online Test

Sr	Questions	Answers Choice
1	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
2	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
3	Question Image	A. a cosec (ax + b) D. cot (ax + b)
4	Question Image	A. Integration by parts B. Definite integral C. Differentiation D. None of these
5	Question Image	A. Integral B. Indefinite integral C. Differential D. Definite integral
6	An integral of $3x^2$ is:	A. x³+c B. 3 C. 6x D. x^{2+c}
7	Question Image	A. 36 B. 42 C. 48 D. 12
8	Question Image	A. equal to each other B. not equal to each C. nearly equal to each other D. none of these
9	Question Image	A. Integration B. Integrand C. Constant of integration D. None of these
10	Question Image	A. f(x) B. ln |f(x)| C. f'(x) D. ln |f'(x)|
11	If y = sin x then dy =	A. cosy dx B. cos x C. cosx dx D. cos xdy
12	Question Image	A. integration by parts B. definite integral C. Differentation D. None of these
13	Question Image	
14	Question Image	A. domain B. range C. lower limit D. upper limit
15	Question Image	A. e^{2x} sin x + c B. e^{2x}cosx + c C. -e^{2x}sin x + c D. -e^{2x}cosx + c
16	Question Image	A. 0 B. 1 C. 2 D. 3

17	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
18	Question Image	A. e^{ax} B. f(x) C. e^{ax}f(x) D. e^{ax + f(x)}
19	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
20	Question Image	A. cosec x + c B. -cosec x + c C. cot x + c D. - cot x + c