FSC Part 2 Mathematics Chapter 3 Online Test

Sr	Questions	Answers Choice
1	Question Image	A. 0 B. 1 C. 2 D. 3
2	Question Image	A. domain B. range C. lower limit D. upper limit
3	Question Image	A. domain B. range C. lower limit D. upper limit
4	Question Image	A. tan x + c B. - tan x + c C. sec x tan x + c D. - sec x tan x + c
5	Question Image	A. 36 B. 42 C. 48 D. 12
6	Question Image	A. cosec x + c B. -cosec x + c C. cot x + c D. - cot x + c
7	Question Image	A. Integral B. Indefinite integral C. Differential D. Definite integral
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	If y = sin x then dy =	A. cosy dx B. cos x C. cosx dx D. cos xdy
10	Question Image	
11	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
12	Question Image	A. integration by parts B. definite integral C. Differentation D. None of these
13	Question Image	A. $e^{-x} \sin x + c$ B. $-e^{-x} \sin x + c$ C. $e^{-x}\cos x + c$ D. $-e^{-x}\sin x + c$
14	An integral of $3x^2$ is:	A. x^3+c B. 3 C. 6x D. x^2+c
15	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
16	Question Image	A. a cosec (ax + b) D. cot (ax + b)

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17	Question Image	A. Integration B. Integration w.r.t.x. C. Differentiation D. Differentiation w.r.t.x
18	Question Image	A. f(x) B. ln |f(x)| C. f'(x) D. ln |f'(x)|
19	Question Image	A. Integration B. Integrand C. Constant of integration D. None of these
20	Question Image	A. $\cos x + c$ B. $-\cos x + c$ C. $\sin x + c$ D. $-\sin x + c$