

FSC Part 2 Mathematics Full Book Online Test

Sr	Questions	Answers Choice
1	Question Image	A. cosec x + c Bcosec x + c C. cot x + c D cot x + c
2	Question Image	A. cot x B cot x C. cosec x cot x Dcosec x cot x
3	Question Image	A. tan x + c Btan x + c C. sec x + c Dsec x + c
4	Question Image	A. cos x + c B cos x + c C. sin x + c Dsin x + c
5	Question Image	A. tan x + c B tan x + c C. sec x tan x + c D sec x tan x + c
6	Question Image	A. Integral B. Indefinite integral C. Differential D. Definite integral
7	Question Image	A. Integration B. Integrand C. Constant of integration D. None of these
8	An integral of $3x^2$ is:	A. x ³ +c B. 3 C. 6x D. x ^{2+c}
9	Question Image	A. Integration B. Integration w.r.t.x. C. Differentiation D. Differentiation w.r.t.x
10	Question Image	A. Derivative B. Differential C. Integral D. None of these
11	Question Image	A. Integration B. Integrand C. Constant of integration D. None of these
12	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
13	The term dy (or df) = f'(x) dx is called the of the dependent variable y.	A. Differentiation B. Integration C. Differential D. None of these
14	If y = sin x then dy =	A. cosy dx B. cos x C. cosx dx D. cos xdy
15	If y = x ² + 1 x changes from 3 to 3.02 then dy =	A. 0.1204 B12 C02 D. 1.2

16	Question Image	A. equal to each other B. not equal to each C. nearly equal to each other D. none of these
17	Question Image	A. equal to each other B. not equal to each other C. nearly equal to each other D. None of these
18	The function $f(x) = 3x^2$ has minimum value at :	A. x = 3 B. x = 2 C. x = 1 D. x = 0
19	The Maclaurin series expansion is valid only if it is:	A. Convergent B. Divergent C. Increasing D. Decreasing
20	Question Image	A. tan x B. cot x C tan x D cot x