

ICS Part 2 Mathematics Chapter 3 Test Online

Sr	Questions	Answers Choice
1	Question Image	A. domain B. range C. lower limit D. upper limit
2	Question Image	A. 36 B. 42 C. 48 D. 12
3	An integral of 3x ² is:	A. x ³ +c B. 3 C. 6x D. x ^{2+c}
4	Question Image	A. equal to each other B. not equal to each other C. nearly equal to each other D. None of these
5	Question Image	A. integration by parts B. definite integral C. Differentation D. None of these
6	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
7	Question Image	A. In sin x B In sin x C. In cos x DIn cos x
8	Question Image	C. 2 D. 1
9	If the lower limit is a constant and the upper limit is a variable, then the integral is a function of:	A. x B. y C. lower limit D. upper limit
10	If the graph of f is entirely below the x-axis, then the definite integral is:	A. Positive B. Positive or negative C. Negative D. Positive and negative
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	
14	If y = sin x then dy =	A. cosy dx B. cos x C. cosx dx D. cos xdy
15	Question Image	
16	Question Image	A. Integration by parts B. Definite integral C. Differentiation D. None of these
17	Question Image	A. In sec x + tan x + c B. In cosec x - cot x + c C. In sec x - tan x + c

		D. In cosec x + cot x + c
18	Question Image	A. a cosec (ax + b) D. cot (ax + b)
19	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
20	Question Image	A. e ^{-x} sin x + c Be ^{-x} sin x + c C. e ^{-x} cosx + c De ^{-x} sin x + c
21	Question Image	A. e ^{2x} sin x + c B. e ^{2x} cosx + c Ce ^{2x} sin x + c De ^{2x} cosx + c
22	Question Image	
23	Question Image	A. domain B. range C. lower limit D. upper limit
24	Question Image	A. cot x B cot x C. cosec x cot x Dcosec x cot x
25	Question Image	A. Integration B. Integrand C. Constant of integration D. None of these
26	Question Image	A. Integration B. Integration w.r.t.x. C. Differentiation D. Differentiation w.r.t.x
27	Question Image	A. cos x + c B cos x + c C. sin x + c Dsin x + c
28	Question Image	A. Integral B. Indefinite integral C. Differential D. Definite integral
29	Question Image	A. tan x + c Btan x + c C. sec x + c Dsec x + c
30	Question Image	A. equal to each other B. not equal to each C. nearly equal to each other D. none of these
31	Question Image	A. 0 B. 1 C. 2 D. 4
32	Question Image	A. tan x + c B tan x + c C. sec x tan x + c D sec x tan x + c
33	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
34	Question Image	A. In sec x + tan x + c B. In cosec x - cot x + c C. In sec x - tan x + c D. In cosec x + cot x + c
35	Question Image	A. 0 B. 1 C. 2 D. 3
		A. cosec x + c

stion Image	A. Derivative B. Differential C. Integral D. None of these A. f(x) B. In f(x) C. f'(x) D. In f'(x)
stion Image	B. In f(x) C. f'(x)
x ² + 1 x changes from 3 to 3.02 then dy =	A. 0.1204 B12 C02 D. 1.2
stion Image	A. Integration B. Integrand C. Constant of integration D. None of these
between x-axis and the curve:	A. 32 D. 16
technique or method to find such a function whose derivative is given involves the rese process of differentiation called:	A. DifferentiationB. IntegrationC. DifferentialD. None of these
t	technique or method to find such a function whose derivative is given involves the