

## FSC Part 2 Mathematics Chapter 3 Online Test

Sr	Questions	Answers Choice
1	Question Image	A. integration by parts B. definite integral C. Differentation D. None of these
2	Question Image	A. cot x B cot x C. cosec x cot x Dcosec x cot x
3	Question Image	A. domain B. range C. lower limit D. upper limit
4	Question Image	A. Integration B. Integration w.r.t.x. C. Differentiation D. Differentiation w.r.t.x
5	Question Image	A. In  sin x  B In  sin x  C. In  cos x  DIn  cos x
6	Question Image	A. e <sup>2x</sup> sin x + c B. e <sup>2x</sup> cosx + c Ce <sup>2x</sup> sin x + c De <sup>2x</sup> cosx + c
7	Question Image	A. Derivative B. Differential C. Integral D. None of these
8	Question Image	A. cos x + c B cos x + c C. sin x + c Dsin x + c
9	The term dy (or df) = f'(x) dx is called the of the dependent variable y.	<ul><li>A. Differentiation</li><li>B. Integration</li><li>C. Differential</li><li>D. None of these</li></ul>
10	Question Image	A. 0 B. 1 C. 2 D. 4
10	Question Image  Question Image	B. 1 C. 2
		B. 1 C. 2
11	Question Image	B. 1 C. 2 D. 4
11	Question Image  Area between x-axis and the curve:	B. 1 C. 2 D. 4
11 12 13	Question Image  Area between x-axis and the curve:  Question Image	B. 1 C. 2 D. 4  A. 32 D. 16  A. equal to each other B. not equal to each other C. nearly equal to each other
11 12 13 14	Question Image  Area between x-axis and the curve:  Question Image  Question Image	A. 32 D. 16  A. equal to each other B. not equal to each other C. nearly equal to each other D. None of these  A. cosy dx B. cos x C. cosx dx
11 12 13 14	Question Image  Area between x-axis and the curve:  Question Image  Question Image  If y = sin x then dy =	A. 32 D. 16  A. equal to each other B. not equal to each other C. nearly equal to each other D. None of these  A. cosy dx B. cos x C. cosx dx D. cos xdy  A. e <sup>ax A. e<sup>ax B. f(x) C. e<sup>ax C. cesup&gt;ax</sup></sup></sup>

18	Question Image	B. Indefinite integral C. Differential D. Definite integral
9	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. Integration by parts B. Definite integral C. Differentiation D. None of these