

FSC Part 2 Mathematics Chapter 2 Online Test

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	
3	If $f(x) = \cos x$ then $f'(0)$ is equal to:	A. 0 B. -1 C. 1
4	Question Image	A. $-\operatorname{cosec}^2 x$ B. $\operatorname{cosec}^2 x$ C. $-\operatorname{cosec} x \cot x$ D. $\operatorname{cosec} x \cot x$
5	Question Image	A. $\sin x$ B. $-\cos x$ C. $-\sin x$ D. $\cos x$
6	Question Image	A. $\sin x$ B. $\cos x$ C. $-\sin x$ D. $-\cos x$
7	For a square of side x units, the rate of change of area with respect to the side is given by:	A. x B. x^2 C. $2x$ D. 2
8	If s is the distance traveled by a body at time t , the velocity is given by the expression:	
9	If $y = f(u)$ and $u = F(x)$, then:	
10	Question Image	
11	Question Image	
12	Question Image	A. $1(1-4)$ B. $2x-3$ C. $x-3$ D. x^3-3x
13	Question Image	
14	Question Image	A. c B. 0 C. 1 D. $-c$
15	Question Image	A. $x=a$ B. $x=2$ C. $x=0$ D. None
16	Question Image	A. $x=a$ B. $x=2$ C. $x=0$ D. None
17	Question Image	A. $x=a$ B. for all x D. $x=0$
18	The derivative of x with respect to y is given by:	
19	The instantaneous rate of change of y with respect to x is given by:	
20	Question Image	