

## FSC Part 2 Mathematics Full Book Online Test

Sr	Questions	Answers Choice
1	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
2	If $s$ is the distance traveled by a body at time $t$ , the velocity is given by the expression:	
3	If $y = f(u)$ and $u = F(x)$ , then:	
4	Question Image	
5	Question Image	
6	Question Image	A. 1 (1 - 4) B. $2x - 3$ C. $x - 3$ D. $x^3 - 3x$
7	Question Image	
8	Question Image	A. $c$ B. 0 C. 1 D. $-c$
9	Question Image	A. $x = a$ B. $x = 2$ C. $x = 0$ D. None
10	Question Image	A. $x = a$ B. $x = 2$ C. $x = 0$ D. None
11	Question Image	A. $x = a$ B. for all $x$ D. $x = 0$
12	The derivative of $x$ with respect to $y$ is given by:	
13	The instantaneous rate of change of $y$ with respect to $x$ is given by:	
14	Question Image	
15	Notation $Df(x)$ for derivative was used by:	A. Cauchy B. Newton C. Leibniz D. Lagrange
16	Question Image	A. Lagrange B. Newtown C. Leibniz D. Cauchy
17	Question Image	A. $x$ with respect to $y$ B. $y$ with respect to $y$ C. $y$ with respect to $x$ D. $x$ with respect to $x$
18	The small change in the value of $f(x)$ , positive or negative is called the ----- of $x$ .	A. Increment B. Differential C. Derivative D. none of these
19	Gottfried Wilhelm Leibniz was a (an) ----- mathematician:	A. German B. English C. Swiss D. French
20	Sir Isaac Newton was a(an) ----- mathematician.	A. German B. French C. Swiss D. English

