

FSC Part 2 Mathematics Full Book Online Test

Sr	Questions	Answers Choice
1	The instantaneous rate of change of y with respect to x is given by:	
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 0 B. 2 C. 3 D. 1
3	The opening of the parabola $x^2 = 4ay$ is upward of the:	A. x - axis B. y = c C. y - axis D. x = y
4	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Line parallel to x-axis B. Line parallel to y-axis C. Line passing through the origin D. Both (a) and (b)
5	$y = b$ is a horizontal line perpendicular to _____:	A. x - axis B. y - axis may be C. y - axis D. None of these
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. sinh x B. cosh x C. -sinh x D. -cosh x
7	The area A of a circle as a function of its circumference C is:	
8	Inclination of Y-axis or of any line parallel to Y-axis is:	B. Zero D. Undefined
9	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
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $f(x^{>2}) + 1$ B. $f(x)$ D. $f(x^{>2})$
11	Which one is a constant function ?	A. $f(x) = x^{>2}$ B. $f(x) = x$ C. $f(x) = x + 1$ D. $f(x) = 14$
12	Joint equation of $y + 2x = 0$, $y - 3x = 0$ is:	A. $(y+2x)(y-3x) = 0$ B. $(y-2x)(y-3x) = 0$ C. $(y+2x)(y+3x) = 0$ D. $(y-2x)(y+3x) = 0$
13	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
14	The graph of the parabola $y^2 = -4ax$ is symmetric about:	A. x-axis B. y = x C. y-axis D. None of these
15	The ratio between the measure of the radial segment and the diameter of a circle is:	A. 2 : 1 B. 4 : 3 C. 1 : 2
16	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Integration by parts B. Definite integral C. Differentiation D. None of these
17	Which of the following is a vector quantity ?	A. Work B. Temperature C. Distance D. Displacement
18	$ax + by < c$ is an inequality of:	A. One variable B. Threevariable C. Twovariable

C. Threevariable
D. Fourvariable

19

Question Image

A. integration by parts
B. definite integral
C. Differentiation
D. None of these

20

A region, which is restricted to the _____ quadrant, is referred to as a feasible region for the set of given constraints.

A. First
B. Third
C. Second
D. Fourth