

FSC Part 2 Mathematics Full Book Online Test

Sr	Questions	Answers Choice
1	Question Image	A. domain B. range C. lower limit D. upper limit
2	Question Image	Acosec x cotx B. cosec ² x Ccosec ² x D. cosec x cotx
3	Question Image	A. sinh x B. cosh x Csinh x Dcosh x
4	Gottfried Whilhelm Leibniz was a (an) mathematician:	A. German B. English C. Swiss D. French
5	If $f(x) = x $, $f(x)$ is a:	A. Constant function B. Absolute function C. Linear function D. Quadratic function
6	A function, which is to be maximized or minimized is called an:	A. Maximum function B. Objective funciton C. Minimum function D. None of these
7	The graph of $2x + y < 2$ is the open half plane which is the origin side of $2x + y = 2$:	A. At B. Not an C. On D. None of these
8	Question Image	A. 0 B. 1 C1 D. 2
9	x = c is a vertical line parallel to	A. x-axis B. y-axis may be C. y-axis D. None of these
10	tanh x =	
11	A pair of lines of homogeneous second degree equation $ax^2 + 2hxy + by^2 = 0$ are othogonal, if:	A. a - b = 0 B. a + b = 0 C. a + b > 0 D. a - b < 0
12	Question Image	A. 4a B. 2a C. 4b D. 2b
13	Question Image	
14	The graph of linear equation of the form ax + by = c is a line, which divides the plane into disjoint regions, where a, b and c are constants and a, b are not both zero.	A. One B. Two C. Thre D. None of these
15	The point where the axis meets the parabola is called of the parabola:	A. Directrix B. Vertex C. Focus D. Eccentricity
16	If a variable y depends on a variable x in such a way that each value of x determines exactly one value of y, then y is a of x.	A. Independent variable B. Not function C. Function D. None of these

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17	The point of intersection of the perpendicular bisectors of a triangle is called:	A. Centroid B. Ortho-center C. Circums-center D. In-center
18	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
19	A line that touches the curve without cutting through it is called:	A. Straight line B. Tangent line C. Normal line D. Vertical line
20	Question Image	A. Unit vector B. Null vector C. Position vector D. None of these