

FSC Part 2 Mathematics Full Book Online Test

Sr	Questions	Answers Choice
1	The symbol $ $ is used for:	A. Parallel lines B. Perpendicular lines C. Non-parallel lines D. None of these
2	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. Unit vector B. Null vector C. Position vector D. None of these
3	$x = c$ is a vertical line parallel to _____.	A. x-axis B. y-axis may be C. y-axis D. None of these
4	$\text{Cosh}^2 x - \text{Sinh}^2 x =$	A. 1 B. -1 C. 2 D. -2
5	If the line segment obtained by joining any two points of a region lies entirely within the region, then the region is called _____:	A. Maximum B. Vertex C. Minimum D. Convex
6	If the equation of the parabola is $y^2 = -4ax$, then opening of the parabola is to the _____ of the y-axis:	A. Left B. Upward C. Right D. Downward
7	The linear function $f(x) = ax + b$ is an identity function if:	A. $a = 0, b = 1$ B. $a = 1, b = 0$ C. $a = 1, b = 1$ D. $a = 0, b = 1$
8	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. 36 B. 42 C. 48 D. 12
9	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. Ellipse B. Parabola C. Hyperbola D. Circle
10	$y - y_1 = m(x - x_1)$ is the equation of straight line in:	A. Slope-intercept form B. Point-slope form C. Normal form D. Intercepts form
11	The center of circle $(x+3)^2 + (y-2)^2 = 16$ equals:	A. (-3, 2) B. (3, -2) C. (3, 2) D. (-3, -2)
12	The line l is horizontal if and only if slope is equal to:	A. 0 B. 1 C. 2 D. undefined
13	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. Lagrange B. Newtown C. Leibniz D. Cauchy
14	Question Image <input style="width: 100%; height: 20px;" type="text"/>	A. $1(1 - 4)$ B. $2x - 3$ C. $x - 3$ D. $x^3 - 3x$
15	$ax + by < c$ is an inequality of:	A. One variable B. Threevariable C. Twovariable D. Fourvariable

16	The inequality $x < a$ is the open half plane to the _____ of the boundary line $x = a$:	A. Above B. Left C. Below D. Right
17	If the cutting plane is parallel to the axis of the cone and intersects both of its nappes, then the section is / an:	A. Parabola B. Hyperbola C. Ellipse D. None of these
18	$f(x)$ is odd function. If and only if:	A. $f(-x) = -f(x)$ B. $f(-x) = f(x)$ C. $f(x) = 3f(-x)$ D. $f(x) = -3f(-x)$
19	The horizontal line $x'ox$ is called:	A. x-axis B. y-axis C. abscissa D. ordinate
20	The vertical line $y'oy$ is called:	A. x-axis B. y-axis C. abscissa D. Ordinate
